Suspected Carcinogens

A Subfile of the NIOSH Toxic Substances List

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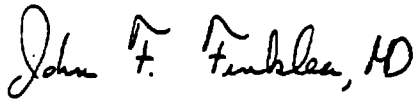
FOREWORD

This publication is the first in a series of subfiles extracted from the National Institute for Occupational Safety and Health (NIOSH) Toxic Substances List. The objective of this edition is to assemble in one list all chemicals identified as having carcinogenic activity as reported in the literature. For the purpose of this compilation, agents causing benign or malignant tumors are classed as carcinogens. This is because of the possibility that agents which cause benign tumors may also produce malignant tumors. This publication is intended to meet general information needs on potential chemical carcinogens as well as to provide the documentation for the list of approximately 1500 chemical substances published by NIOSH in the Federal Register.

In the Toxic Substances List program NIOSH, for the past four years, has been collecting and disseminating information on the health effects of chemicals including carcinogenic effects. Last year we conducted a comprehensive review of the primary literature and an accelerated attempt to collect current as well as retrospective information. The 1500 chemical substances identified so far have demonstrated carcinogenic activity from studies reported in the literature. However, no critical evaluation of the test protocol or derived data has been performed. In addition, the actual presence of the chemical in the workplace has not been determined and no attempt has been made to correlate the test data with the physical state or purity grades of chemicals found there. Thus, NIOSH is requesting additional information for its programs in occupational carcinogens identification and recommended control.

This compilation should provide ready reference for potential carcinogenicity of chemicals found in the workplace, and should be useful to occupational health physicians, industrial hygienists, toxicologists, and researchers. A better understanding of potential workplace health problems through the use of this compilation hopefully will facilitate the achievement of a healthful workplace.



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INTRODUCTION

This 1975 Edition of suspected carcinogens is the first in a series prepared under the "useful grouping" provision of Section 20(a)(6) of the Occupational Safety & Health Act of 1970, Public Law 91-596. This list contains approximately 1500 chemical substances which were selected from the full toxicological file for their carcinogenic effects as determined in whole animal studies. For those chemical substances selected, we have included the entire file entry: descriptors, molecular weight, molecular formula, structural notation, synonyms, toxicity data and references, and pertinent occupational standards.

The purposes for presenting these data are manifold and serve a variety of uses. This list serves as a single source document for toxic substance information; including such data as chemical properties and standards information for those toxic chemicals for which standards have been promulgated. This presentation of the various types of toxic effects referenced by original studies will allow researchers and occupational health specialists an introduction to the literature, thus facilitating their review of the toxic hazards of a substance. Through the collection and presentation of the lowest reported doses by several routes and various species, valuable information is made available to those who have responsibility for preparing safety data sheets for chemical substances in the workplace. Through the use of this list, chemical and production engineers can identify the relative hazards which may be associated with the use of chemical intermediates for the development of final products and, thus, can determine the use of substitutes or alternate processes which may be less hazardous. By using various indexes in the automated file, association of chemical structure to the toxic effects produced by a chemical may be possible and, thus, enable some prediction of what to expect from a newly synthesized chemical.

In offering this edition we recognize its limitations in achieving the purpose that we have set for it. First, it may not include all demonstrated carcinogenic substances. Such a goal can not be achieved without the full cooperation of the scientific community. Cooperation in the form of personal contributions will become increasingly imperative as the list becomes more nearly complete.

The absence of a substance from this list does not imply that a substance is not a carcinogen; only extensive testing would lead to that conclusion. It must be reemphasized that the entry of a substance on the list does not automatically mean that it must be avoided. A listing does mean, however, that the substance has the potential of being hazardous if misused and, therefore, care must be exercised to prevent tragic consequences. Thus, there will be found on the list many substances which are common in everyday life and are in nearly every household in the United States.

It is not the purpose of the list to quantitate the hazard through the use of the toxic concentration or dose that is presented with each substance. No attempt has been made to resolve any question about data that have been published. Of necessity, we rely on editing provided by the scientific community prior to any publication in scientific literature. Under no circumstance can the toxic dose values presented with these chemical substances be considered as being definitive values for describing safe concentrations for human exposure. Concentrations of chemical substances in man's working environment which may be safely tolerated can be determined only by a critical evaluation of all available pertinent data by experienced investigators.

A critical evaluation of a chemical hazard involves much more than a determination of the toxic potency, no matter how complex the deter-

mination may be. A hazard evaluation must include such a determination, of course, but toxic potency and degree of hazard can not be considered as being synonymous. Identifying and defining a chemical hazard must also include the evaluation of the amount and duration of exposure, the physical characteristics of the substance, the physical conditions under which exposure occurs and the determination of the presence of other chemical substances. All of these may significantly alter the toxic potency of a substance which, in turn, may alter the health of the person who may become exposed.

NIOSH, under its criteria development program, conducts critical reviews of occupational hazards. The resulting criteria document thereby provides a valid detailed support for the standard as recommended by NIOSH for the Department of Health, Education, and Welfare to be used by the Department of Labor as a basis for its promulgation of a standard.

The standards referenced in this list as U.S. Occupational Standards (U.S.O.S.) state the concentrations of substances which have been determined to provide a safe, healthful work environment for all persons. These may also include, within the limits of technical feasibility and in accord with such other considerations as made by the U.S. Department of Labor, methods for sampling and analyzing; engineering controls; appropriate personal protective equipment and clothing; emergency procedures; medical surveillance procedures; use of signs, labels, and placards to identify the hazardous substances; and the requirement for apprisement of the workers of the hazard to which they are exposed.

A standard for an occupational exposure to vinyl chloride was promulgated under The Occupational Safety and Health Act during 1975. All standards appear in the Appendixes.

As of the date of publication of this list, there have been 23 criteria documents for recommended standards forwarded to the Department of Labor. A list of these documents appear in Appendix VI.

The Williams-Steiger Occupational Safety and Health Act of 1970 in Section 20(a) (6) directs that the Secretary of Health, Education, and Welfare ". . . shall determine following a written request by any employer or authorized representative of employees . . . whether any substance normally found in the place of employment has potentially toxic effects in such concentrations as used or found . . . ."

The manner of implementing this activity is found in 42 CFR Part 85, in the Federal Register volume 37, number 215, pages 23639 through 23642, November 7, 1972. Both the reference and the forms to be used in requesting assistance from NIOSH are found as Appendix VII. The Toxic Substances List, by providing a convenient mechanism for recognizing potentially hazardous chemicals, may assist those interested in identifying the substances in the workplace which may be hazardous to health.

We request and will appreciate whatever assistance may be offered by representatives of the industrial, academic, and governmental communities in supplying data for this list. This assistance may be offered in the form of reprints of scientific publications, of technical data sheets, of sales or promotional material, or any other publicly available reference material, of data presented by personal letter for previously unpublished studies or by notification of errors. All material received will be considered as part of the public domain and as such may be made available to any persons or organizations.

CRITERIA FOR THE TOXIC SUBSTANCES LIST

Selection

1. *Substances.* For the purpose of this list the phrase "all known substances" that exhibit carcinogenic activity was interpreted to include all mined, manufactured, processed, synthesized and naturally occurring inorganic and organic compounds. The list may include drugs, food additives, preservatives, ores, pesticides, dyes, detergents, lubricants, soaps, plastics, extracts from plant and animal sources, plants and animals which are carcinogenic by contact or consumption, and industrial intermediates and waste products from production processes.

2. *Substances Excluded.* Excluded from The Toxic Substances List file and, therefore, this publication were trade name products representing compounded or formulated proprietary mixtures available as commercial products. These exclusions were necessary because of difficulties in assessing the contribution to the toxicity by each component of the mixture and because the components of those formulations can be and are often changed by the producer by substitution of different chemicals with different toxic effect potential or through varying the concentrations. Trade names have been included on the list where they represent a single active chemical entity. These substances may be impure commercial products of relatively constant composition and will be identified by definitions of compositions rather than by a Chemical Abstracts Service Registry Number, molecular formula or Wiswesser Line Notation. Radioactive substances are now included but the effect reported is due to the chemically produced effects rather than to the radiation effects.

Format

1. *General.* The list is made up of a series of toxic substance items which are arranged in alphabetical order. Each name is preceded by a seven character code consisting of two letters of the alphabet followed by five digits. The number code varies directly with the alphabetic sequence of the substance name on the list and will not change in subsequent revisions except where sequence errors are discovered and must be corrected. Following the name of the chemical substance are lines containing definitive descriptions of the synonymous names, substance, toxic dose information with references, and references to existing and recommended standards and to NIOSH's criteria for recommended standards. Abbreviations used can be identified in the pages that follow or by reference to the glossary on the inside of the front and rear covers. A schematic entry is shown in Figure 1.

2. *Substance Prime Name.* We have established the prime chemical name of each chemical for this list to be the nomenclature used by the American Chemical Society Chemical Abstracts Service (CAS) in the 8th collective index of chemical abstracts which is in the inverted form. With this preferred prime name, the reader may find the CAS Registry Number, molecular weight, molecular formula, Wiswesser Line Notation, synonyms, toxic data, and other pertinent information. Some entries, however, appear as a chemical or descriptive name as published in the source from which the toxic data were derived. This is particularly true for those substances for which some aspects of the composition are in question such as plant or animal extracts. These prime names will be accompanied by a definition or description (DEF:) which may be a narration including the source, a generally accepted statement of constituents or other helpful information, with a reference source. Numerals, Greek letters, and prefixes indicating substituent locations, and stereochemical

or other structural features are ignored in the first alphabetical ordering. These components are taken into account for secondary ordering in ascending numerical order and alphabetically within alphabetically similar substances.

When the line item entry is a name that is other than a prime name, such as a trade name, common name, or coined name, a cross reference is given to the sequence number and name of the prime entry with the available data.

3. *The Chemical Abstracts Service Registry Number,* (CAS): is a designation which uniquely identifies a specific chemical compound. The value of such an entry is that it allows one to always conclusively recognize a chemical compound, regardless of the name or naming system used. The numbers used in this publication were derived from the Desk Top Analysis Tool* (DAT), the Chemical Abstracts Indexes, and various other sources.

4. The *Molecular Weight,* MW: is calculated from the molecular formula as was presented by the DAT, from the article of reference, or from the formula derived from the name.

5. The *Molecular Formula,* MOLFM: designates the elemental composition of the chemical and is entered according to the rules presented in the DAT.

6. *Wiswesser Line Notation,* WLN: was assigned when available. The WLN is a line-formula chemical notation describing in a concise and precise manner the structural formula of a chemical compound. This formula enables substructure searches for special functional groups and substituents that are found in this molecule. The WLN descriptions will allow machine retrieval of entries by chemical characteristic which may facilitate analysis. It also should aid in recognition of certain substructure-activity relationships.

7. *Synonyms,* SYN: This line is devoted to synonyms for the prime name substance listed. All synonyms found will be listed in alphabetical order following "SYN:" according to the same rules presented for ordering the substance on the first line. Each name will be separated by an asterisk. Synonyms are other chemical names, trade names, common or generic names.

8. *Toxic Dose Data.* (see Figure 2.) This section contains the toxic dose or concentration and the result that qualified the substance for inclusion as a potential carcinogen on the list. Additional lines of toxic dose information for other routes of administration, for other effects, or for other species may be present. These are entered as additional information or references in order to more fully define the toxic nature of a substance. All of the entries in the toxic dose section contain information entered according to the following pattern: The first line starts with the notation "TXDS:" immediately followed by the qualifying toxic dose information. The entries then following indicate, in sequence, the route of exposure; the species of animal involved; the type of dose; the amount of substance per body weight or concentration per unit air volume and, where applicable, the duration of exposure; a descriptive notation for the type of effect reported; and, lastly, the reference source from which the information was extracted. The additional entries after the first line are not preceded by "TXDS." Each element of this further toxic dose data line is discussed below.

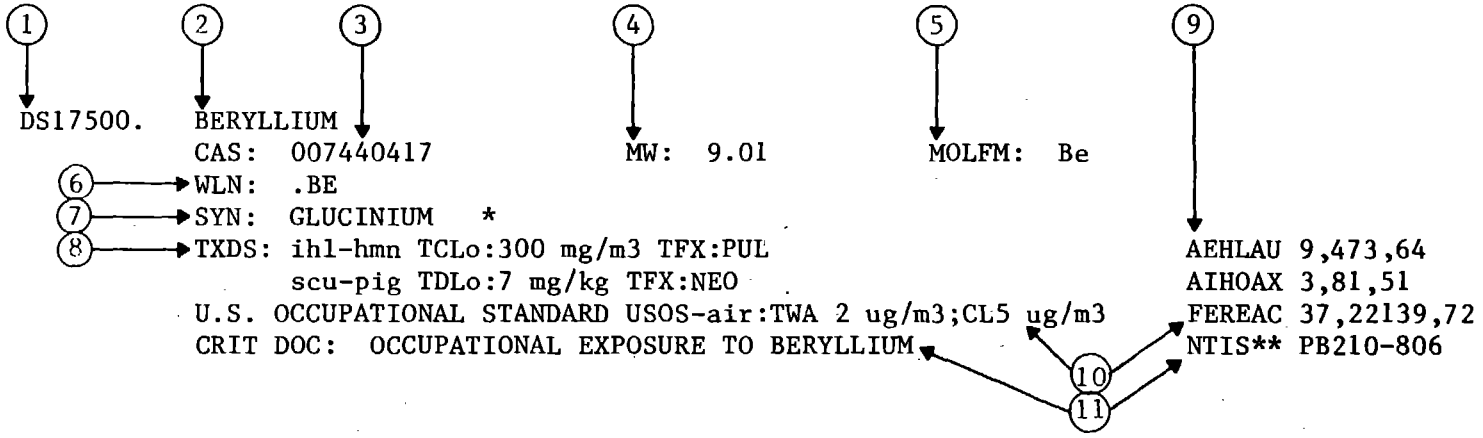
a. *Qualifying Toxic Dose* (TXDS). All toxic doses appearing on The Toxic Substances List were derived from reports of the toxic effects produced by individual substances. A toxic effect is defined as any bodily injury — reversible or irreversible; any tumor — benign or malignant; any mutagenic or teratogenic effect; or death which has been reported to have resulted from exposure to a chemical substance via the respiratory tract, skin, eye, mouth, or any other route.

For humans the toxic effect is any toxic effect that was reported in the source reference. There is no qualifying limitation to the duration of exposure nor to the quantity or concentration of the substance, nor is there a qualifying limitation of the circumstances that resulted in the exposure. Regardless of the absurdity of the circumstances that were involved in a toxic exposure, it is assumed that the same circumstances could recur. For a substance to be included, there is no limitation as to the time of exposure, nor the quantity or concentration of the dose of the substance reported to have caused neoplastigenic, or carcinogenic effects in animals. This is because a dose-effect relationship has not been correlated for animals and man. It is presumed that there is some potential for the occurrence in man of effects similar to those noted in animals if man is exposed to these substances.

For the practical purpose of identifying the substances producing carcinogenic effects, we accepted statements by authors that the effects found

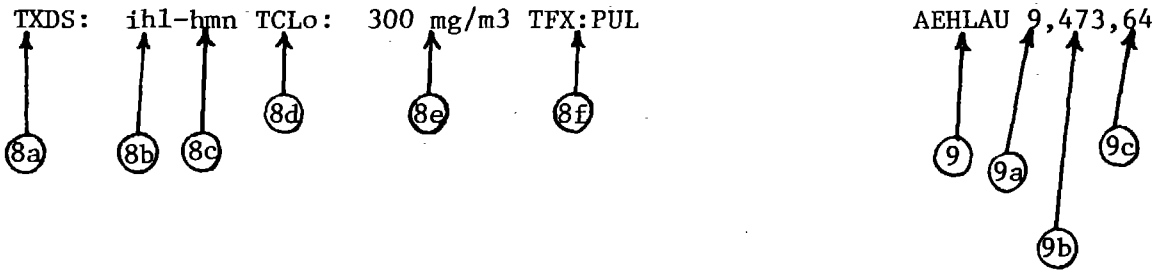
*Desk Top Analysis Tool for the Common Data Base (6 volumes) 1968: NTIS**PB 179-900.

FIGURE 1. An example of a typical entry in the Toxic Substances List, 1975.



1. Identification number in this listing, see 1. in text below.
2. Prime name of compound, see 2. in text below.
3. Chemical Abstracts Registry Number, which is a number assigned to this compound so that it may be uniquely identified, see 3. in text below.
4. Molecular Weight of this compound, see 4. in text below.
5. Molecular Formula or Elemental Formula of this compound, see 5. in text below.
6. Wiswesser Line Notation, which is a formula defining the structure of this compound, see 6. in text below.
7. Synonyms, common names, trade names, and other chemical names, see 7. in text below.
8. Toxic dose line, which defines the route of administration or entry of this substance, the species involved, the type of dose reported, the dose which caused the toxic response, and the type of toxic response noted from the dose administered, see 8. in text below. Also see FIGURE 2.
9. This is the reference to the original article or source from which the toxic data was derived, see 9. in text below. Also see FIGURE 2.
10. U.S. Occupational Standard exists for this substance in the regulations of OSHA, U.S. Department of Labor, see 10. in text below. The standard may be found in the Federal Register referenced here.
11. A Criteria Document supporting a recommended standard has been published by NIOSH, U.S. Department of Health, Education, and Welfare. See 11. in text below. The reference contains the published Criteria Document.

FIGURE 2. A typical toxic dose line from the Toxic Substances List, 1975 (This figure is a further explanation of items 8 and 9 in FIGURE 1.)



8a. An acronym which stands for "Toxic Dose".
8b. This is an abbreviation for the route of administration or entry of this substance. See Table II for other routes of entry used in the list.
8c. This is an abbreviation for the species. See Table III for the other species used in the list.
8d. This is the type of dose reported. See 8d. in text below.
8e. This is the dose which caused the toxic effect. See 8e. in text below.
8f. The first part of this notation, "TFX", is an acronym which stands for "Toxic Effects". The last part of this notation refers to the organ system affected by the dose administered. See Table VI below.
9. This is a code denoting the reference from which the toxic data was derived. The reference for this code may be found in the Bibliography. See 9. in text below.
9a. Volume number of the reference.
9b. Page number of the reference.
9c. These two digits stand for the year of publication, i.e. 1964.

TABLE I

LIMITING DOSAGES DIFFERENTIATING RELATIVELY TOXIC AND NONTOXIC SUBSTANCES ACCORDING TO ROUTE OF ADMINISTRATION TO EXPERIMENTAL ANIMALS OF A MAXIMUM TOTAL (ACUTE)* DOSE CAUSING DEATH**

SPECIES (with abbreviations)	ROUTES OF ADMINISTRATION (with abbreviations)								
	Oral (orl) Rectal (rec) Intraduodenum (idu) Intracervix (icv)	Inhalation (ihl) 24-Hour Maximum		Skin (skn)	Parenteral				Unreported (unk)
					Intraperitoneal (ipr) Intrapleural (ipl)	Subcutaneous (scu) Intradermal (idr) Implant (imp)	Intravenous (ivn) Intramuscular (ims) Ocular (ocu) Intracerebral (ice) Intratracheal (itr) Intraplacental (ipc) Intravaginal (ivg) Intrarenal (irn)	Other (par)	
	mg/kg	ppm	mg/m³	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Hamster (ham), Frog (frg), Gerbil (grb)	2,500	5,000 (0.5%)	1,000	1,400	1,000	5,000	750	1,000	2,500
Rat (rat), Mouse (mus), Mammal, unspecified (mam)	5,000***	10,000 (1%)	2,000	2,800	2,000	10,000***	1,500	2,000	5,000
Rabbit (rbt), Guinea Pig (gpg), Chicken (ckn), Pigeon (pgn), Quail, (qal), Duck (dck), Turkey (trk), Bird (brd)	10,000	20,000 (2%)	4,000	2,800***	4,000	20,000	3,000	4,000	10,000
Dog (dog), Monkey (mky), Cat (cat), Pig (pig), Cattle (ctl), Domestic Animals: sheep, goat, horse (dom)	10,000	20,000 (2%)	4,000	5,600	4,000	20,000	3,000	4,000	10,000

*Applies to those substances for which acute or short term toxicity characterizes the response, e.g., fast-acting substances, irritants, narcoses-producing substances and most drugs. Does not apply to substances whose characteristic response results from prolonged exposures, e.g., silica, lead, benzene, carbon disulfide, carcinogens. Concentrations more appropriately characterizing the toxicity of long- or slow-acting substances are derived from non-acute toxicity studies.

**Calculated from experimental data (Stokinger).

***From Hine and Jacobson, AIHAAP 15, 141, 54.

were reported according to accepted classifications. Thus, if the effects were reported as being carcinogenic or neoplastigenic by the author of a report, these reported classifications were accepted. A substance is listed as a neoplastigen if one significant tumor was reported according to a classification by the number and type of tumor produced. If a substance was reported to have produced a malignant tumor or one that metastasized to other parts of the body, the substance is listed as a carcinogen. Although these classifications are noted, it is the current policy of NIOSH to classify chemicals as carcinogenic if they produced tumors (benign or malignant) in animals. The report of the lowest dose administered over the shortest time to produce the toxic effect was given preference; though some license was taken in order that data cited in different references might be entered. Data from animal experimentation resulting in death must be selected and limited by some criteria. All substances, when administered in sufficiently high quantities or concentrations over a sufficient length of time, will cause death. Therefore Table I is included as set-

TABLE II

ROUTES OF ADMINISTRATION TO, OR EXPOSURE OF, ANIMAL SPECIES TO TOXIC SUBSTANCES

Route	Abbreviation	Definition
Intracerebral	ice	administration into the cerebrum
Intracervical	icv	administration into the cervix
Intradermal	idr	administration within the dermis by hypodermic needle
Intraduodenal	idu	administration into the duodenum
Inhalation	ihl	inhalation in chamber, by cannulation, or through mask
Implant	imp	placed surgically within the body — location described in reference
Intramuscular	ims	administration of dose into the muscle by hypodermic needle
Intraplacental	ipc	administration into the placenta
Intrapleural	ipl	administration of dose into the pleural cavity by hypodermic needle
Intraperitoneal	ipr	administration into the peritoneal cavity
Intrarenal	irn	administration into the kidney
Intratracheal	itr	administration into the trachea
Intravaginal	ivg	administration into the vagina
Intravenous	ivn	administration of dose directly into the vein by hypodermic needle
Ocular	ocu	administration directly onto the surface of the eye or into the conjunctival sac
Oral	orl	per os, intragastric, feeding introduction with drinking water
Parenteral	par	administration into the body through the skin. Reference cited is not specific concerning the route used. Could be ipr, scu, ivn, ipl, ims, irn, or ice
Rectal	rec	administration of dose by way of rectum to the rectum or colon in form of enema, suppository
Skin	skn	application to the intact skin, dermal, cutaneous
Subcutaneous	scu	administration under the skin
Unreported	unk	dose, but not route, is specified in the reference

ting reasonable upper limits for toxic lethal dosages.

b. *Route of Exposure or Administration.* Although most exposures to substances in the industrial community occur through the respiratory tract or skin, most exposures reported in the published literature concern studies of experimental animals in which the test substances were introduced through the mouth by pills, in food, in drinking water, or by intubation directly into the stomach.

Therefore, for purposes of developing information concerning the relative toxicity of substances, toxicity studies by all exposure routes are reported. The abbreviations and definitions of the various routes of exposure used in this listing are found in Table II.

c. *Species Exposed.* Since the effects in the human are of primary concern we have indicated, when available, whether the results were observed in man, woman, child or infant. If no indication is made in the reference, the term "human" is used. Results of studies on rats and mice are the most frequently reported, and hence, are the most useful data for comparative purposes. The species

TABLE III

SPECIES

Species	Order of Preference for Data Acquisition	Designation
bird — any domestic or laboratory bird reported but not otherwise identified	22	brd
bird — wild bird species	23	bdw
cat	7	cat
cattle	11	ctl
chicken	17	ckn
dog	4	dog
domestic animals: goat, sheep, horse	12	dom
duck (domestic)	19	dck
frog	20	frg
gerbil	13	grb
guinea pig	9	gpg
hamster	10	ham
human	1	hmn
infant	1	inf
mammal — species unspecified in reference	15	mam
man	1	man
monkey	6	mky
mouse	3	mus
pig	8	pig
pigeon	16	pgn
quail (laboratory)	18	qal
rabbit	5	rbt
rat	2	rat
squirrel	14	sql
toad	20	tod
turkey	21	trk
woman	1	wmn

and abbreviations used are listed alphabetically in Table III.

d. *Description of Exposure.* In order to describe the entered dose more completely, six abbreviations are used. These terms indicate whether the dose caused death (LD) or other toxic effects (TD) and whether it was administered as a lethal concentration (LC) or toxic concentration (TC) in the inhaled air. Their definitions are as follows:

TDLo-Toxic Dose Low — the lowest dose of a substance, as published or made known to us, introduced by any route other than inhalation over any given period of time and reported to produce any toxic effect in man or to produce carcinogenic, teratogenic, mutagenic, or neoplastigenic effects in humans or animals.

TCLo-Toxic Concentration Low — any concentration of a substance in air to which man or animals have been exposed for any given period of time and that has been reported to produce any toxic effect in man, or to produce a carcinogenic, teratogenic, mutagenic, or neoplastigenic toxic effect in animals or humans.

LDLo-Lethal Dose Low — the lowest dose of a substance other than LD50 introduced by any route other than inhalation over any given period of time and reported to have caused death in man or the lowest single dose introduced in one or more divided portions and reported to have caused death in animals. Entries for lethal doses administered to animals for the qualifying toxic dose, TXDS, were made in accordance with the dose limits of Table I.

LD50-Lethal Dose Fifty — A calculated dose of a chemical substance which is expected to cause the death of 50% of an entire population of an experimental animal species, as determined from the exposure to the substance, by any route other than inhalation, of a significant number from that population. Other lethal dose percentages, such as LD1, LD10, LD30, LD99, may be published in the scientific literature for the specific purposes of the author. Such data would be published in the list if these figures, in the absence of an LD50, were the lowest published in the article. A substance may qualify by an LDLo published value even though a higher LD50 value, which may also exceed the limits of Table I, was reported in the same publication.

LCLo-Lethal Concentration Low — the lowest concentration of a substance, other than an LC50, in air which has been reported to have caused death in man or to have caused death in animals when they have been exposed for 24 hours or less. Entries for lethal concentrations for animals for the qualifying toxic dose, TXDS, were made in accordance with the dose limits of Table I.

LC50-Lethal Concentration Fifty — a calculated concentration of a substance in air, exposure to which for twenty-four hours or less would cause the death of 50% of an entire population of an experimental animal species, as determined from the exposure to the substance of a significant number from that population. These entries qualified in accordance with the dose limits set forth in Table I. See LD50 above for other parameters which may similarly apply to entries for the list.

e. *Units of Dose Measurement.* As is found in almost all experimental toxicology studies, the doses are given in terms of the quantity administered per unit body weight or quantity per unit volume of the respired air. In addition, where applicable, the duration of time over which the dose was administered is also listed. The dose, whether it was reported in terms of weight or volume, was entered in terms of units of weight.

Milligrams per kilogram (mg/kg) were preferred, but in some cases, because of dose sizes, grams per kilogram (gm/kg), micrograms per kilogram (ug/kg), or nanograms per kilogram (ng/kg) were used. Volume measurements of dose were converted to weight units by the appropriate calculations, assuming all liquids to have a density of one for a conversion of one milliliter to one thousand milligrams.

All body weights have been converted to kilograms (kg) for uniformity. For those references in which the dose was reported to have been administered to an animal of unspecified weight or a given number of animals in a group (e.g., feeding studies) without weight data, the weights of the respective animal species were assumed to be those found in Table IV and the dose was listed on a per kilogram body weight basis. For the references in which similar information was presented for man or woman and no weight data were provided, the weight for man was assumed to be 70 kilograms; for woman, 50 kilograms; and for child, 20 kilograms. Assumptions for daily food and water intake are found in Table IV for approximating doses per individual animals where the dose has been exposed as a concentration in food or water. The values presented are selections which are reasonable for the species and

convenient for dose calculations. These values would be used in lieu of other more exact available data.

other measurements of contaminants are used such as fibers or particles, the measurement is not abbreviated but is spelled out, e.g., for asbestos 1.2 fibers/cc.

TABLE IV
ASSUMPTIONS FOR TOXIC DOSE CALCULATION
FROM NON-SPECIFIC DATA*

Species	Age	Weight	Consumption Food gm/day	Water ml/day (Approx.)
Cat, adult		2 kg	100	100
Chicken, adult (male or female)	8 W	500 gm	200	200
Dog, adult	52 W	10 kg	250	500
Duck, adult (domestic)	8 W	2.5 kg	250	500
Frog, adult		33 gm		
Guinea pig, adult		500 gm	30	85
Hamster	14 W	125 gm	15	85
Monkey	2.5 Y	5 kg	400	500
Mouse	8 W	25 gm	5	5
Pigeon	8 W	500 gm		
Rabbit, adult	12 W	2 kg	100	330
Rat, adult female	14 W	200 gm	10	20
Rat, adult male	14 W	250 gm	15	25
Rat, adult sex unspecified	14 W	200 gm	15	25
Rat, weanling	3 W	50 gm	15	25

*NOTE: Values given here are within reasonable limits usually found in the published literature and are selected to facilitate calculations for data from publications in which toxic dose information has not been presented for an individual animal of the study. Data for lifetime exposure are calculated from the assumptions for adult animals for the entire period of exposure. For definitive dose data the reader must review the referenced publication.

All concentrations of a substance in air are listed preferably as parts of vapor or gas per million parts of air by volume (ppm). As may be convenient for effective presentation, parts per hundred (pph or per cent), parts per billion (ppb), and parts per trillion (ppt) may be used. If the substance is a solid or a liquid, the concentrations are listed preferably as milligrams (one thousandth of a gram) per cubic meter (mg/m3) but may, as applicable, be listed as micrograms (one millionth of a gram; 10^{-6} gram) per cubic meter (ug/m3), nanograms (one billionth of a gram; 10^{-9} gram) per cubic meter (ng/m3), or pico grams (one trillionth of a gram; 10^{-12} gram) per cubic meter (pg/m3), of air. Where the original source listed the concentration measurements of a liquid in volume units, the density of the chemical was assumed to be one thousand milligrams per milliliter and was converted to milligrams. For those cases in which

For some studies, e.g., inhalation, carcinogen, mutagen, teratogen and feeding studies, the duration of exposure is pertinent to the dose information. For those studies, time will be presented as indicated in Table V. In all cases the total duration of exposure appears first after the kilogram body weight and slash followed by descriptive data; e.g., 10 mg/kg/3WI means ten milligrams per kilogram body weight administered over a period of three weeks, intermittently in a number of separate, discrete doses. It is intended to provide the reader with enough information for an approximation of the experimental conditions which can be clarified by studying the article cited.

f. *Notations Descriptive of the Toxicology.* The toxic dose line thus far has indicated the route of entry, the species involved, the description of the dose, and the amount of the dose.

TABLE V

UNITS OF TIME FOR DOSE ADMINISTRATION

Unit	Abbreviation	Limits of Use and Definitions
Minute	M	1-99 minutes
Hour	H	1-99 hours
Day	D	2-99 Days
Week	W	2-99 Weeks
Year	Y	1-99 Years
Continuous	C	Indicates that the exposure was continuous over the time administered, such as ad lib. feeding exposures or twenty-four hour, seven-day week inhalation exposures.
Intermittent	I	Indicates that the dose was administered during discretely separate periods, such as daily parenteral, oral, or skin applications.

The next entry found on this line when a TDLo or TCLo is cited is the lowest dose toxic effect, "TFX:". Following "TFX:" will be one of the notations found in Table VI. These notations will indicate the organ system affected or will indicate in the case of animal experiments special properties that the substance demonstrates, e.g., CAR = carcinogen. No attempt was made to be definitive of the effect reported because such definition requires much detailed qualification and is beyond the scope of this publication. The selection of the dose was based first on the lowest dose producing an effect, and secondly, on the latest study published.

9. *Cited Reference.* The final entry of this line is the reference from which the toxic dose information was extracted. All references from which the information has been gathered are and must be publicly available. No classified government documents have been used for source information. All references have been given a six letter CODEN* character code which is an unambiguous manner of identifying periodicals and serial publications. The CODEN references are found in the Bibliographic References. For those references for which no CODEN was found, the six letter code includes "**" in the last one or two positions following the first four or five letters of an acronym for the publication title. In this manner, all acronyms will be found in alphabetical order. Following the CODEN designation (for most entries) will be: the number of the volume, followed by a comma; the page number of the first page of the article, followed by a comma; followed by the last two numbers indicating the year. Any other designation found, will be explained with its reference code in the Bibliography.

10. *U.S. Occupational Standards.* Occupational standards found in Appendices I through V of this introduction are those pertaining to subject chemical substances. References to these standards are also included in the body of the list under the appropriate chemical substance. The format heading of these reference lines is "U.S. Occupational Standard" followed either by "USOS" or "EPA." "USOS" refers to standards promulgated under section 1910 of the Occupational Safety and Health Act of 1970 and "EPA" refers to Worker Protection Standards for Agricultural Pesticides promulgated under the Federal Insecticide, Fungicide and Rodenticide Act.

The references to air contaminants in Appendix I are expanded to include the numerical limit values. Although more complex, this quantitative information may be taken along with the unevaluated data to provide a more nearly complete profile of the chemical.

The entry following USOS is "air" which labels this as an air contaminant standard. TWA or C1 refers to either time weighted average or ceiling value. For some chemicals TWA, C1, and Pk (peak) values are given in the standard. In those cases all three are listed. Finally some entries may be followed by the designation "(SKIN)." This designation indicates that the

*CODEN for Periodical Titles, American Society for Testing and Materials, 1916 Race Street, Philadelphia, 19103, 1970.

TABLE VI

NOTATIONS DESCRIPTIVE OF THE TOXICOLOGY

Abbreviations	Definitions (not limited to effects listed)
ALR	Allergenic-systemic reaction such as might be experienced by individuals sensitized to penicillin.
BCM	Blood clotting mechanism — any effect which increases or decreases clotting time.
BLD	Blood effects — effect on all blood elements, electrolytes, pH, protein, oxygen-carrying or releasing capacity.
BPR	Blood pressure effects — any effect which changes any aspect of blood pressure away from normal — increased or decreased.
CAR	Carcinogenic — producing cancer — a cellular tumor, the nature of which is fatal or is associated with the formation of secondary tumors (metastasis).
CNS	Central nervous system — includes effects such as headaches, tremor, drowsiness, convulsions, hypnosis, anesthesia.
COR	Corrosive effects — burns, desquamation.
CUM	Cumulative effect — where substance is retained by the body in greater quantities than is excreted, or the toxic effect is increased in severity by repeated bodily insult.
CVS	Cardiovascular effects — such as when heart activity is increased or decreased through an effect on ventricle or auricle; fibrillation; or when the arterial or venous system is dilated or constricted.
DDP	Drug dependence — any indication of addiction or dependence.
EYE	Eye effects — irritation, diploplia, cataracts, eye ground, blindness by affecting the eye or the optic nerve.
GIT	Gastrointestinal tract effects —— diarrhea, constipation, ulceration.
GLN	Glandular effects — any effect on the endocrine glandular system.
IRR	Irritant effect — any irritant effect on the skin, eye, or mucous membrane.
MMI	Mucous membrane effects — irritation, hyperplasia, ciliary activity changed.
MSK	Musculo-skeletal effects — such as osteoporosis, muscular degeneration.
MUT	Mutation or mutagenic — transmissible changes produced in the offspring.
NEO	Neoplastic effect — the production of tumors.
PNS	Peripheral nervous system effects.
PUL	Pulmonary system effects — effects on respiration and respiratory pathology.
RBC	Red blood cell effects — includes the several anemias.
SKN	Skin effects — such as erythema, rash, sensitization of skin, petechial hemorrhage.
SYS	Systemic effects — effects on the metabolic and excretory function of the liver or kidneys.
TER	Teratogenic effects — nontransmissible changes produced in the offspring.
TFX	Toxic effects — used to introduce the principal organ system affected as reported or the pathology.
UNS	Unspecified effects — the toxic effects were unspecified in source.
WBC	White blood cell effects — effects on any of the cellular units other than erythrocytes, including any change in number or form.

compound may be absorbed by the skin and, even though the air concentration may be below the limit value, significant additional exposure through the skin may be dangerous. The FEREAC reference is to the volume, page, and year of the Federal Register.

The specific format for references to Appendix I, II, III and V are as follows.

Appendix I
U.S.O.S. — air: TWA(C1) (Pk) value
FEREAC 37,22139,72

Appendix II
U.S.O.S. — Asbestos FEREAC 37,22142,72

Appendix III
U.S.O.S. Carcinogens FEREAC 39,3756,74

Appendix V
EPA: Farm Worker Field Reentry
FEREAC 39,16888,74

11. *NIOSH Criteria Documents.* The last line of a toxic substance entry will indicate that a NIOSH criteria document for the support of the U.S. Occupational Standards, proposed or promulgated, is available at the time of printing. This line will start with "CRIT DOC:" followed by the title of the document and the source for the reference in terms consistent with the Bibliography. The reference citation is the National Technical Information Service, U.S. Department of Commerce, document identifier, from which paper copy or microfiche copy may be ordered.

ACKNOWLEDGMENTS

During the past year we were pleased to receive contributions for use in the Toxic Substances List. Contributions were in the form of reprints, preprints, elaborations of conference presentations, and letters containing unpublished data as well as suggested corrections. Reader participation is essential to the development of this list. User participation is potentially far more important than staff effort in collection and evaluation of data in this field. Therefore, in order to improve subsequent editions, both in quality and comprehensiveness, participation is strongly encouraged. We are grateful to those who have contributed.

APPENDICES

Appendix I

Subpart G—Occupational Health and Environmental Control

§ 1910.93 Air contaminants.

An employee's exposure to any material listed in table G–1, G–2, or G–3 of this section shall be limited in accordance with the requirements of the following paragraphs of this section.

(a) Table G–1:

(1) *Materials with names preceded by "C"—Ceiling Values.* An employee's exposure to any material in table G–1, the name of which is preceded by a "C" (e.g., C Boron trifluoride), shall at no time exceed the ceiling value given for that material in the table.

(2) *Other materials—8-hour time weighted averages.* An employee's exposure to any material in table G–1, the name of which is not preceded by "C", in any 8-hour work shift of a 40-hour work week, shall not exceed the 8-hour time weighted average given for that material in the table.

(b) Table G–2:

(1) *8-hour time weighted averages.* An employee's exposure to any material listed in table G–2, in any 8-hour work shift of a 40-hour work week, shall not exceed the 8-hour time weighted average limit given for that material in the table.

(2) *Acceptable ceiling concentrations.* An employee's exposure to a material listed in table G–2 shall not exceed at any time during an 8-hour shift the acceptable ceiling concentration limit given for the material in the table, except for a time period, and up to a concentration not exceeding the maximum duration and concentration allowed in the column under "acceptable maximum peak above the acceptable ceiling concentration for an 8-hour shift".

(3) *Example.* During an 8-hour work shift, an employee may be exposed to a concentration of Benzene above 25 p.p.m. (but never above 50 p.p.m.) only for a maximum period of 10 minutes. Such exposure must be compensated by exposures to concentrations less than 10 p.p.m. so that the cumulative exposure for the entire 8-hour work shift does not exceed a weighted average of 10 p.p.m.

(c) Table G–3: An employee's exposure to any material listed in table G–3, in any 8-hour work shift of a 40-hour work week, shall not exceed the 8-hour time weighted average limit given for that material in the table.

(d) Computation formulae:

(1) (i) The cumulative exposure for an 8-hour work shift shall be computed as follows:

$$E=\frac{C_aT_a+C_bT_b+\ \ldots\ C_nT_n}{8}$$

where:

E is the equivalent exposure for the working shift.

C is the concentration during any period of time T where the concentration remains constant.

T is the duration in hours of the exposure at the concentration C.

The value of E shall not exceed the 8-hour time weighted average limit in table

The latest issuance of the Occupational Safety and Health Standards contained in Part 1910 of Title 29 of the Code of Federal Regulations appeared in the June 27, 1974, issue of the Federal Register, Volume 39, Number 125, Part II, beginning with page 23,502.

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G–1, G–2, or G–3 for the material involved.

(ii) To illustrate the formula prescribed in subdivision (i) of this subparagraph, note that isoamyl acetate has an 8-hour time weighted average limit of 100 p.p.m. (table G–1). Assume that an employee is subject to the following exposure:

Two hours exposure at 150 p.p.m.
Two hours exposure at 75 p.p.m.
Four hours exposure at 50 p.p.m.

Substituting this information in the formula, we have

$$\frac{2\times 150+2\times 75+4\times 50}{8}=81.25 \text{ p.p.m.}$$

Since 81.25 p.p.m. is less than 100 p.p.m., the 8-hour time weighted average limit, the exposure is acceptable.

(2) (i) In case of a mixture of air contaminants an employer shall compute the equivalent exposure as follows:

$$E_m=\frac{C_1}{L_1}+\frac{C_2}{L_2}+\ldots\frac{C_n}{L_n}$$

Where:

E_m is the equivalent exposure for the mixture.

C is the concentration of a particular contaminant.

L is the exposure limit for that contaminant, from table G–1, G–2, or G–3.

The value of E_m shall not exceed unity (1).

(ii) To illustrate the formula prescribed in subdivision (i) of this subparagraph, consider the following exposures:

Material	Actual concentration of 8-hour exposure	8-hour time weighted average exposure limit
Acetone (Table G–1)	500 p.p.m	1,000 p.p.m.
2-Butanone (Table G–1)	45 p.p.m	200 p.p.m.
Toluene (Table G–2)	40 p.p.m	200 p.p.m.

Substituting in the formula, we have:

$$E_m=\frac{500}{1,000}+\frac{45}{200}+\frac{40}{200}$$

$$E_m=0.500+0.225+0.200$$

$$E_m=0.925$$

Since E_m is less than unity (1), the exposure combination is within acceptable limits.

(e) To achieve compliance with paragraph (a) through (d) of this section, administrative or engineering controls must first be determined and implemented whenever feasible. When such controls are not feasible to achieve full compliance, protective equipment or any other protective measures shall be used to keep the exposure of employees to air contaminants within the limits prescribed in this section. Any equipment and/or technical measures used for this purpose must be approved for each particular use by a competent industrial hygienist or other technically qualified person. Whenever respirators are used, their use shall comply with § 1910.134.

TABLE G–1

Substance	p.p.m.[a]	mg./M³ [b]
Acetaldehyde	200	360
Acetic acid	10	25
Acetic anhydride	5	20
Acetone	1,000	2,400
Acetonitrile	40	70
Acetylene dichloride, see 1, 2-Dichloroethylene		
Acetylene tetrabromide	1	14
Acrolein	0.1	0.25
Acrylamide—Skin		0.3
Acrylonitrile—Skin	20	45
Aldrin—Skin		0.25
Allyl alcohol—Skin	2	5
Allyl chloride	1	3
**C Allylglycidyl ether (AGE)	10	45
Allyl propyl disulfide	2	12
2-Aminoethanol, see Ethanolamine		
2-Aminopyridine	0.5	2
**Ammonia	50	35
Ammonium sulfamate (Ammate)		15
n-Amyl acetate	100	525
sec-Amyl acetate	125	650
Aniline—Skin	5	19
Anisidine (o, p-isomers)—Skin		0.5
Antimony and compounds (as Sb)		0.5
ANTU (alpha naphthyl thiourea)		0.3
Arsenic and compounds (as As)		0.5
Arsine	0.05	0.2
Azinphos-methyl—Skin		0.2
Barium (soluble compounds)		0.5
p-Benzoquinone, see Quinone		
Benzoyl peroxide		5
Benzyl chloride	1	5
Biphenyl, see Diphenyl		
Bisphenol A, see Diglycidyl ether		
Boron oxide		15
C Boron trifluoride	1	3
Bromine	0.1	0.7
Bromoform—Skin	0.5	5
Butadiene (1, 3-butadiene)	1,000	2,200
Butanethiol, see Butyl mercaptan		
2-Butanone	200	590
2-Butoxy ethanol (Butyl Cellosolve)—Skin	50	240
Butyl acetate (n-butyl acetate)	150	710
sec-Butyl acetate	200	950
tert-Butyl acetate	200	950
Butyl alcohol	100	300
sec-Butyl alcohol	150	450
tert-Butyl alcohol	100	300
C Butylamine—Skin	5	15
C tert-Butyl chromate (as CrO_3)—Skin		0.1
n-Butyl glycidyl ether (BGE)	50	270
*Butyl mercaptan	10	35
p-tert-Butyltoluene	10	60
Calcium arsenate		1
Calcium oxide		5
**Camphor	2	
Carbaryl (Sevin®)		5
Carbon black		3.5
Carbon dioxide	5,000	9,000
Carbon monoxide	50	55
Chlordane—Skin		0.5
Chlorinated camphene—Skin		0.5
Chlorinated diphenyl oxide		0.5
*Chlorine	1	3
Chlorine dioxide	0.1	0.3
C Chlorine trifluoride	0.1	0.4
C Chloroacetaldehyde	1	3
α-Chloroacetophenone (phenacylchloride)	0.05	0.3
Chlorobenzene (monochlorobenzene)	75	350
o-Chlorobenzylidene malononitrile (OCBM)	0.05	0.4
Chlorobromomethane	200	1,050
2-Chloro-1,3-butadiene, see Chloroprene		
Chlorodiphenyl (42 percent Chlorine)—Skin		1
Chlorodiphenyl (54 percent Chlorine)—Skin		0.5
1-Chloro,2,3-epoxypropane, see Epichlorhydrin		
2-Chloroethanol, see Ethylene chlorohydrin		
Chloroethylene, see Vinyl chloride		
C Chloroform (trichloromethane)	50	240
1-Chloro-1-nitropropane	20	100
Chloropicrin	0.1	0.7
Chloroprene (2-chloro-1,3-butadiene)—Skin	25	90

TABLE G–1—Continued

Substance	p.p.m.[a]	mg./M³ [b]
Chromium, sol. chromic, chromous salts as Cr		0.5
Metal and insol. salts		1
Coal tar pitch volatiles (benzene soluble fraction) anthracene, BaP, phenanthrene, acridine, chrysene, pyrene		0.2
Cobalt, metal fume and dust		0.1
Copper fume		0.1
Dusts and Mists		1
Cotton dust (raw)		1
Crag® herbicide		15
Cresol (all isomers)—Skin	5	22
Crotonaldehyde	2	6
Cumene—Skin	50	245
Cyanide (as CN)—Skin		5
Cyclohexane	300	1,050
Cyclohexanol	50	200
Cyclohexanone	50	200
Cyclohexene	300	1,015
Cyclopentadiene	75	200
2, 4-D		10
DDT—Skin		1
DDVP, see Dichlorvos		
Decaborane—Skin	0.05	0.3
Demeton®—Skin		0.1
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	50	240
1,2-diaminoethane, see Ethylenediamine		
Diazomethane	0.2	0.4
Diborane	0.1	0.1
Dibutylphthalate		5
C o-Dichlorobenzene	50	300
p-Dichlorobenzene	75	450
Dichlorodifluoromethane	1,000	4,950
1,3-Dichloro-5,5-dimethyl hydantoin		0.2
1,1-Dichloroethane	100	400
1,2-Dichloroethylene	200	790
C Dichloroethyl ether—Skin	15	90
Dichloromethane, see Methylenechloride		
Dichloromonofluoromethane	1,000	4,200
C 1,1-Dichloro-1-nitroethane	10	60
1,2-Dichloropropane, see Propylenedichloride		
Dichlorotetrafluoroethane	1,000	7,000
Dichlorvos (DDVP)—Skin		1
Dieldrin—Skin		0.25
Diethylamine	25	75
Diethylamino ethanol—Skin	10	50
Diethylether, see Ethyl ether		
Difluorodibromomethane	100	860
C Diglycidyl ether (DGE)	0.5	2.8
Dihydroxybenzene, see Hydroquinone		
Diisobutyl ketone	50	290
Diisopropylamine—Skin	5	20
Dimethoxymethane, see Methylal		
Dimethyl acetamide—Skin	10	35
Dimethylamine	10	18
Dimethylaminobenzene, see Xylidene		
Dimethylaniline (N-dimethylaniline)—Skin	5	25
Dimethylbenzene, see Xylene		
Dimethyl 1,2-dibromo-2,2-dichloroethyl phosphate, (Dibrom)		3
Dimethylformamide—Skin	10	30
2,6-Dimethylheptanone, see Diisobutyl ketone		
1,1-Dimethylhydrazine—Skin	0.5	1
Dimethylphthalate		5
Dimethylsulfate—Skin	1	5
Dinitrobenzene (all isomers)—Skin		1
Dinitro-o-cresol—Skin		0.2
Dinitrotoluene—Skin		1.5
Dioxane (Diethylene dioxide)—Skin	100	360
Diphenyl	0.2	1
Diphenylmethane diisocyanate (see Methylene bisphenyl isocyanate (MDI)		
Dipropylene glycol methyl ether—Skin	100	600
Di-sec, octyl phthalate (Di-2-ethylhexylphthalate)		5
Endrin—Skin		0.1
Epichlorhydrin—Skin	5	19
EPN—Skin		0.5
1,2-Epoxypropane, see Propyleneoxide		
2,3-Epoxy-1-propanol, see Glycidol		

See footnotes at end of table.

TABLE G-1—Continued

Substance	p.p.m.[a]	mg./M³ [b]
Ethanethiol, see Ethylmercaptan		
Ethanolamine	3	6
2-Ethoxyethanol—Skin	200	740
2-Ethoxyethylacetate (Cellosolve acetate)—Skin	100	540
Ethyl acetate	400	1,400
Ethyl acrylate—Skin	25	100
Ethyl alcohol (ethanol)	1,000	1,900
Ethylamine	10	18
Ethyl sec-amyl ketone (5-methyl-3-heptanone)	25	130
Ethyl benzene	100	435
Ethyl bromide	200	890
Ethyl butyl ketone (3-Heptanone)	50	230
Ethyl chloride	1,000	2,600
Ethyl ether	400	1,200
Ethyl formate	100	300
C Ethyl mercaptan	10	25
Ethyl silicate	100	850
Ethylene chlorohydrin—Skin	5	16
Ethylenediamine	10	25
Ethylene dibromide, see 1,2-Dibromoethane		
Ethylene dichloride, see 1,2-Dichloroethane		
C Ethylene glycol dinitrate and/or Nitroglycerin—Skin	[d] 0.2	1
Ethylene glycol monomethyl ether acetate, see Methyl cellosolve acetate		
Ethylene imine—Skin	0.5	1
Ethylene oxide	50	90
Ethylidine chloride, see 1,1-Dichloroethane		
N-Ethylmorpholine—Skin	20	94
Ferbam		15
Ferrovanadium dust		1
Fluoride (as F)		2.5
Fluorine	0.1	0.2
Fluorotrichloromethane	1,000	5,600
Formic acid	5	9
Furfural—Skin	5	20
Furfuryl alcohol	50	200
Glycidol (2,3-Epoxy-1-propanol)	50	150
Glycol monoethyl ether, see 2-Ethoxyethanol		
Guthion ®, see Azinphosmethyl		
Hafnium		0.5
Heptachlor—Skin		0.5
Heptane (n-heptane)	500	2,000
Hexachloroethane—Skin	1	10
Hexachloronaphthalene—Skin		0.2
Hexane (n-hexane)	500	1,800
2-Hexanone	100	410
Hexone (Methyl isobutyl ketone)	100	410
sec-Hexyl acetate	50	300
Hydrazine—Skin	1	1.3
Hydrogen bromide	3	10
C Hydrogen chloride	5	7
Hydrogen cyanide—Skin	10	11
Hydrogen peroxide (90%)	1	1.4
Hydrogen selenide	0.05	0.2
Hydroquinone		2
C Iodine	0.1	1
Iron oxide fume		10
Isoamyl acetate	100	525
Isoamyl alcohol	100	360
Isobutyl acetate	150	700
Isobutyl alcohol	100	300
Isophorone	25	140
Isopropyl acetate	250	950
Isopropyl alcohol	400	980
Isopropylamine	5	12
Isopropylether	500	2,100
Isopropyl glycidyl ether (IGE)	50	240
Ketene	0.5	0.9
Lead arsenate		0.15
Lindane—Skin		0.5
Lithium hydride		0.025
L.P.G. (liquified petroleum gas)	1,000	1,800
Magnesium oxide fume		15
Malathion—Skin		15
Maleic anhydride	0.25	1
C Manganese		5
Mesityl oxide	25	100
Methanethiol, see Methyl mercaptan		
Methoxychlor		15
2-Methoxyethanol, see Methyl cellosolve		
Methyl acetate	200	610
Methyl acetylene (propyne)	1,000	1,650
Methyl acetylene-propadiene mixture (MAPP)	1,000	1,800
Methyl acrylate—Skin	10	35
Methylal (dimethoxymethane)	1,000	3,100
Methyl alcohol (methanol)	200	260
Methylamine	10	12
Methyl amyl alcohol, see Methyl isobutyl carbinol		
Methyl (n-amyl) ketone (2-Heptanone)	100	465
C Methyl bromide—Skin	20	80
Methyl butyl ketone, see 2-Hexanone		
Methyl cellosolve—Skin	25	80
Methyl cellosolve acetate—Skin	25	120
Methyl chloroform	350	1,900
Methylcyclohexane	500	2,000
Methylcyclohexanol	100	470
o-Methylcyclohexanone—Skin	100	460
Methyl ethyl ketone (MEK), see 2-Butanone		
Methyl formate	100	250
Methyl iodide—Skin	5	28
Methyl isobutyl carbinol—Skin	25	100
Methyl isobutyl ketone, see Hexone		
Methyl isocyanate—Skin	0.02	0.05
C Methyl mercaptan	10	20
Methyl methacrylate	100	410
Methyl propyl ketone, see 2-Pentanone		
C α Methyl styrene	100	480
C Methylene bisphenyl isocyanate (MDI)	0.02	0.2
Molybdenum:		
Soluble compounds		5
Insoluble compounds		15
Monomethyl aniline—Skin	2	9
C Monomethyl hydrazine—Skin	0.2	0.38
Morpholine—Skin	20	70
Naphtha (coaltar)	100	400
Naphthalene	10	50
Nickel carbonyl	0.001	0.007
Nickel, metal and soluble cmpds, as Ni		1
Nicotine—Skin		0.5
Nitric acid	2	5
Nitric oxide	25	30
p-Nitroaniline—Skin	1	6
Nitrobenzene—Skin	1	5
p-Nitrochlorobenzene—Skin		1
Nitroethane	100	310
Nitrogen dioxide	5	9
Nitrogen trifluoride	10	29
Nitroglycerin—Skin	0.2	2
Nitromethane	100	250
1-Nitropropane	25	90
2-Nitropropane	25	90
Nitrotoluene—Skin	5	30
Nitrotrichloromethane, see Chloropicrin		
Octachloronaphthalene—Skin		0.1
*Octane	500	2,350
*Oil mist, mineral		*5
Osmium tetroxide		0.002
Oxalic acid		1
Oxygen difluoride	0.05	0.1
Ozone	0.1	0.2
Paraquat—Skin		0.5
Parathion—Skin		0.1 1
Pentaborane	0.005	0.01
Pentachloronaphthalene—Skin		0.5
Pentachlorophenol—Skin		0.5
*Pentane	1,000	2,950
2-Pentanone	200	700
Perchloromethyl mercaptan	0.1	0.8
Perchloryl fluoride	3	13.5
Petroleum distillates (naphtha)	500	2,000
Phenol—Skin	5	19
p-Phenylene diamine—Skin		0.1
Phenyl ether (vapor)	1	7
Phenyl ether-biphenyl mixture (vapor)	1	7
Phenylethylene, see Styrene		
Phenyl glycidyl ether (PGE)	10	60
Phenylhydrazine—Skin	5	22
Phosdrin (Mevinphos ®)—Skin		0.1
Phosgene (carbonyl chloride)	0.1	0.4
Phosphine	0.3	0.4
Phosphoric acid		1
Phosphorus (yellow)		0.1
Phosphorus pentachloride		1
Phosphorus pentasulfide		1
Phosphorus trichloride	0.5	3
Phthalic anhydride	2	12
Picric acid—Skin		0.1
Pival ® (2-Pivalyl-1,3-indandione)		0.1
Platinum (Soluble Salts) as Pt		0.002
Propargyl alcohol—Skin	1	
Propane	1,000	1,800
n-Propyl acetate	200	840
Propyl alcohol	200	500
n-Propyl nitrate	25	110
Propylene dichloride	75	350
Propylene imine—Skin	2	5
Propylene oxide	100	240
Propyne, see Methylacetylene		
Pyrethrum		5
Pyridine	5	15
Quinone	0.1	0.4
RDX—Skin		1.5
Rhodium, Metal fume and dusts, as Rh		0.1
Soluble salts		0.001
Ronnel		10
Rotenone (commercial)		5
Selenium compounds (as Se)		0.2
Selenium hexafluoride	0.05	0.4
Silver, metal and soluble compounds		0.01
Sodium fluoroacetate (1080)—Skin		0.05
Sodium hydroxide		2
Stibine	0.1	0.5
*Stoddard solvent	500	2,950
Strychnine		0.15
Sulfur dioxide	5	13
Sulfur hexafluoride	1,000	6,000
Sulfuric acid		1
Sulfur monochloride	1	6
Sulfur pentafluoride	0.025	0.25
Sulfuryl fluoride	5	20
Systox, see Demeton ®		
2,4,5T		10
Tantalum		5
TEDP—Skin		0.2
Tellurium		0.1
Tellurium hexafluoride	0.02	0.2
TEPP—Skin		0.05
C Terphenyls	1	9
1,1,1,2-Tetrachloro-2,2-difluoroethane	500	4,170
1,1,2,2-Tetrachloro-1,2-difluoroethane	500	4,170
1,1,2,2-Tetrachloroethane—Skin	5	35
Tetrachloroethylene, see Perchloroethylene		
Tetrachloromethane, see Carbon tetrachloride		
Tetrachloronaphthalene—Skin		2
Tetraethyl lead (as Pb)—Skin		0.075
Tetrahydrofuran	200	590
Tetramethyl lead (as Pb)—Skin		0.07
Tetramethyl succinonitrile—Skin	0.5	3
Tetranitromethane	1	8
Tetryl (2,4,6-trinitrophenylmethylnitramine)—Skin		1.5
Thallium (soluble compounds)—Skin as Tl		0.1
Thiram		5
Tin (inorganic cmpds, except oxides		2
Tin (organic cmpds)		0.1
C Toluene-2,4-diisocyanate	0.02	0.14
o-Toluidine—Skin	5	22
Toxaphene, see Chlorinated camphene		
Tributyl phosphate		5
1,1,1-Trichloroethane see Methyl chloroform		
1,1,2-Trichloroethane—Skin	10	45
Titanium dioxide		15
Trichloromethane, see Chloroform		
Trichloronaphthalene—Skin		5
1,2,3-Trichloropropane	50	300
1,1,2-Trichloro 1,2,2-trifluoroethane	1,000	7,600
Triethylamine	25	100
Trifluoromonobromomethane	1,000	6,100
2,4,6-Trinitrophenol, see Picric acid		
2,4,6-Trinitrophenylmethylnitramine, see Tetryl		
Trinitrotoluene—Skin		1.5
Triorthocresyl phosphate		0.1
Triphenyl phosphate		3
Turpentine	100	560
Uranium (soluble compounds)		0.05
Uranium (insoluble compounds)		0.25
C Vanadium:		
V_2O_5 dust		0.5
V_2O_5 fume		0.1
Vinyl benzene, see Styrene		
**C Vinyl chloride	500	1,300
Vinylcyanide, see Acrylonitrile		
Vinyl toluene	100	480
Warfarin		0.1
Xylene (xylol)	100	435
Xylidine—Skin	5	25
Yttrium		1
Zinc chloride fume		1
Zinc oxide fume		5
Zirconium compounds (as Zr)		5

*1970 Addition.

[a] Parts of vapor or gas per million parts of contaminated air by volume at 25° C. and 760 mm. Hg pressure.

[b] Approximate milligrams of particulate per cubic meter of air.

(No footnote "c" is used to avoid confusion with ceiling value notations.)

[d] An atmospheric concentration of not more than 0.02 p.p.m., or personal protection may be necessary to avoid headache.

[e] As sampled by method that does not collect vapor.

[f] For control of general room air, biologic monitoring is essential for personnel control.

TABLE G-2

Material	8-hour time weighted average	Acceptable ceiling concentration	Acceptable maximum peak above the acceptable ceiling concentration for an 8-hour shift.	
			Concentration	Maximum duration
Benzene (Z37.4-1969)	10 p.p.m	25 p.p.m	50 p.p.m	10 minutes.
Beryllium and beryllium compounds (Z37.29-1970).	2 μg./M³	5 μg./M³	25 μg./M³	30 minutes.
Cadmium fume (Z37.5-1970)	0.1 mg./M³	3 mg./M³		
Cadmium dust (Z37.5-1970)	0.2 mg./M³	0.6 mg./M³		
Carbon disulfide (Z37.3-1968)	20 p.p.m	30 p.p.m	100 p.p.m	Do.
Carbon tetrachloride (Z37.17-1967)	10 p.p.m	25 p.p.m	200 p.p.m	5 minutes in any 4 hours.
Ethylene dibromide (Z37.31-1970)	20 p.p.m	30 p.p.m	50 p.p.m	5 minutes.
Ethylene dichloride (Z37.21-1969)	50 p.p.m	100 p.p.m	200 p.p.m	5 minutes in any 3 hours.
Formaldehyde (Z37.16-1967)	3 p.p.m	5 p.p.m	10 p.p.m	30 minutes.
Hydrogen fluoride (Z37.28-1969)	do			
Fluoride as dust (Z37.28-1969)	2.5 mg./M³			
Lead and its inorganic compounds (Z37.11-1969).	0.2 mg./M³			
Methyl chloride (Z37.18-1969)	100 p.p.m	200 p.p.m	300 p.p.m	5 minutes in any 3 hours.
Methylene Chloride (Z37.3-1969)	500 p.p.m	1,000 p.p.m	2,000 p.p.m	5 minutes in any 2 hours.
Organo (alkyl) mercury (Z37.30-1969)	0.01 mg./M [5]	0.04 mg./M [5]		
Styrene (Z37.15-1969)	100 p.p.m	200 p.p.m	600 p.p.m	5 minutes in any 3 hours.
Trichloroethylene (Z37.19-1967)	do	do	300 p.p.m	5 minutes in any 2 hours.
Tetrachloroethylene (Z37.22-1967)	do	do	do	5 minutes in any 3 hours.
Toluene (Z37.12-1967)	200 p.p.m	300 p.p.m	500 p.p.m	10 minutes.
Hydrogen sulfide (Z37.2-1966)		20 p.p.m	50 p.p.m	10 minutes once only if no other measurable exposure occurs.
Mercury (Z37.8-1971)		1 mg./10M [5]		
Chromic acid and chromates (Z37.7-1971)		do [5]		

TABLE G-3—MINERAL DUSTS

Substance	Mppcf [6]	Mg/M³
Silica:		
Crystalline:		
Quartz (respirable)	250 [7]	10mg/M³ [8]
	%SiO₂+5	%SiO₂+2
Quartz (total dust)		30mg/M³
		%SiO₂+2
Cristobalite: Use ½ the value calculated from the count or mass formulae for quartz.		
Tridymite: Use ½ the value calculated from the formulae for quartz.		
Amorphous, including natural diatomaceous earth	20	80mg/M³
		%SiO₂
Silicates (less than 1% crystalline silica):		
Mica	20	
Soapstone	20	
Talc (non-asbestos form)	20 [9]	
Talc (fibrous). Use asbestos limit		
Tremolite (see talc, fibrous)		
Portland cement	50	
Graphite (natural)	15	
Coal dust (respirable fraction less than 5% SiO₂)		2.4mg/M³ or
For more than 5% SiO₂		10mg/M³
		%SiO₂+2
Inert or Nuisance Dust:		
Respirable fraction	15	5mg/M³
Total dust	50	15mg/M³

NOTE: Conversion factors—
mppcf×35.3=million particles per cubic meter
=particles per c.c.

[6] Millions of particles per cubic foot of air, based on impinger samples counted by light-field technics.

[7] The percentage of crystalline silica in the formula is the amount determined from air-borne samples, except in those instances in which other methods have been shown to be applicable.

[8] As determined by the membrane filter method at 430×phase contrast magnification.

[9] Both concentration and percent quartz for the application of this limit are to be determined from the fraction passing a size-selector with the following characteristics:

Aerodynamic diameter (unit density sphere)	Percent passing selector
2	90
2.5	75
3.5	50
5.0	25
10	0

[10] Containing < 1% quartz; if > 1% quartz, use quartz limit.

The measurements under this note refer to the use of an AEC instrument. If the respirable fraction of coal dust is determined with a MRE the figure corresponding to that of 2.4 Mg/M³ in the table for coal dust is 4.5 Mg/M³.

Appendix II

§ 1910.93a Asbestos.

(a) *Definitions.* For the purpose of this section, (1) "Asbestos" includes chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite.

(2) "Asbestos fibers" means asbestos fibers longer than 5 micrometers.

(b) *Permissible exposure to airborne concentrations of asbestos fibers*—(1) *Standard effective July 7, 1972.* The 8-hour time-weighted average airborne concentrations of asbestos fibers to which any employee may be exposed shall not exceed five fibers, longer than 5 micrometers, per cubic centimeter of air, as determined by the method prescribed in paragraph (e) of this section.

(2) *Standard effective July 1, 1976.* The 8-hour time-weighted average airborne concentrations of asbestos fibers to which any employee may be exposed shall not exceed two fibers, longer than 5 micrometers, per cubic centimeter of air, as determined by the method prescribed in paragraph (e) of this section.

(3) *Ceiling concentration.* No employee shall be exposed at any time to airborne cencentrations of asbestos fibers in excess of 10 fibers, longer than 5 micrometers, per cubic centimeter of air, as determined by the method prescribed in paragraph (e) of this section.

(c) *Methods of compliance*—(1) *Engineering methods.* (i) *Engineering controls.* Engineering controls, such as, but not limited to, isolation, enclosure, exhaust ventilation, and dust collection, shall be used to meet the exposure limits prescribed in paragraph (b) of this section.

(ii) *Local exhaust ventilation.* (*a*) Local exhaust ventilation and dust collection systems shall be designed, constructed, installed, and maintained in accordance with the American National Standard Fundamentals Governing the Design and Operation of Local Exhaust Systems, ANSI Z9.2–1971, which is incorporated by reference herein.

(*b*) See § 1910.6 concerning the availability of ANSI Z9.2–1971, and the maintenance of a historic file in connection therewith. The address of the American National Standards Institute is given in § 1910.100.

(iii) *Particular tools.* All hand-operated and power-operated tools which may produce or release asbestos fibers in excess of the exposure limits prescribed in paragraph (b) of this section, such as, but not limited to, saws, scorers, abrasive wheels, and drills, shall be provided with local exhaust ventilation systems in accordance with subdivision (ii) of this subparagraph.

(2) *Work practices*—(i) *Wet methods.* Insofar as practicable, asbestos shall be handled, mixed, applied, removed, cut, scored, or otherwise worked in a wet state sufficient to prevent the emission of airborne fibers in excess of the exposure limits prescribed in paragraph (b) of this section, unless the usefulness of the product would be diminished thereby.

(ii) *Particular products and operations.* No asbestos cement, mortar, coating, grout, plaster, or similar material containing asbestos shall be removed from bags, cartons, or other containers in which they are shipped, without being either wetted, or enclosed, or ventilated so as to prevent effectively the release of airborne asbestos fibers in excess of the limits prescribed in paragraph (b) of this section.

(iii) *Spraying, demolition, or removal.* Employees engaged in the spraying of asbestos, the removal, or demolition of pipes, structures, or equipment covered or insulated with asbestos, and in the removal or demolition of asbestos insulation or coverings shall be provided with respiratory equipment in accordance with paragraph (d)(2)(iii) of this section and with special clothing in accordance with paragraph (d)(3) of this section.

(d) *Personal protective equipment*—(1) Compliance with the exposure limits prescribed by paragraph (b) of this section may not be achieved by the use of respirators or shift rotation of employees, except:

(i) During the time period necessary to install the engineering controls and to institute the work practices required by paragraph (c) of this section;

(ii) In work situations in which the methods prescribed in paragraph (c) of

The latest issuance of the Occupational Safety and Health Standards contained in Part 1910 of Title 29 of the Code of Federal Regulations appeared in the June 27, 1974, issue of the Federal Register, Volume 39, Number 125, Part II, beginning with page 23502.

this section are either technically not feasible or feasible to an extent insufficient to reduce the airborne concentrations of asbestos fibers below the limits prescribed by paragraph (b) of this section; or

(iii) In emergencies.

(iv) Where both respirators and personnel rotation are allowed by subdivisions (i), (ii), or (iii) of this subparagraph, and both are practicable, personnel rotation shall be preferred and used.

(2) Where a respirator is permitted by subparagraph (1) of this paragraph, it shall be selected from among those approved by the Bureau of Mines, Department of the Interior, or the National Institute for Occupational Safety and Health, Department of Health, Education, and Welfare, under the provisions of 30 CFR Part 11 (37 F.R. 6244, Mar. 25, 1972), and shall be used in accordance with subdivisions (i), (ii), (iii), and (iv) of this subparagraph.

(i) *Air purifying respirators.* A reusable or single use air purifying respirator, or a respirator described in subdivision (ii) or (iii) of this subparagraph, shall be used to reduce the concentrations of airborne asbestos fibers in the respirator below the exposure limits prescribed in paragraph (b) of this section, when the ceiling or the 8-hour time-weighted average airborne concentrations of asbestos fibers are reasonably expected to exceed no more than 10 times those limits.

(ii) *Powered air purifying respirators.* A full facepiece powered air purifying respirator, or a powered air purifying respirator, or a respirator described in subdivision (iii) of this subparagraph, shall be used to reduce the concentrations of airborne asbestos fibers in the respirator below the exposure limits prescribed in paragraph (b) of this section, when the ceiling or the 8-hour time-weighted average concentrations of asbestos fibers are reasonably expected to exceed 10 times, but not 100 times, those limits.

(iii) *Type "C" supplied-air respirators, continuous flow or pressure-demand class.* A type "C" continuous flow or pressure-demand, supplied-air respirator shall be used to reduce the concentrations of airborne asbestos fibers in the respirator below the exposure limits prescribed in paragraph (b) of this section, when the ceiling or the 8-hour time-weighted average airborne concentrations of asbestos fibers are reasonably expected to exceed 100 times those limits.

(iv) *Establishment of a respirator program.* (*a*) The employer shall establish a respirator program in accordance with the requirements of the American National Standards Practices for Respiratory Protection, ANSI Z88.2–1969, which is incorporated by reference herein.

b. See § 1910.6 concerning the availability of ANSI Z88.2–1969 and the maintenance of an historic file in connection therewith. The address of the American National Standards Institute is given in § 1910.100.

(c) No employee shall be assigned to tasks requiring the use of respirators if, based upon his most recent examination, an examining physician determines that the employee will be unable to function normally wearing a respirator, or that the safety or health of the employee or other employees will be impaired by his use of a respirator. Such employee shall be rotated to another job or given the opportunity to transfer to a different position whose duties he is able to perform with the same employer, in the same geographical area and with the same seniority, status, and rate of pay he had just prior to such transfer, if such a different position is available.

(3) Special clothing: The employer shall provide, and require the use of, special clothing, such as coveralls or similar whole body clothing, head coverings, gloves, and foot coverings for any employee exposed to airborne concentrations of asbestos fibers, which exceed the ceiling level prescribed in paragraph (b) of this section.

(4) Change rooms: (i) At any fixed place of employment exposed to airborne concentrations of asbestos fibers in excess of the exposure limits prescribed in paragraph (b) of this section, the employer shall provide change rooms for employees working regularly at the place.

(ii) Clothes lockers: The employer shall provide two separate lockers or containers for each employee, so separated or isolated as to prevent contamination of the employee's street clothes from his work clothes.

(iii) Laundering: (*a*) Laundering of asbestos contaminated clothing shall be done so as to prevent the release of airborne asbestos fibers in excess of the exposure limits prescribed in paragraph (b) of this section.

(*b*) Any employer who gives asbestos-contaminated clothing to another person for laundering shall inform such person of the requirement in (*a*) of this subdivision to effectively prevent the release of airborne asbestos fibers in excess of the exposure limits prescribed in paragraph (b) of this section.

(c) Contaminated clothing shall be transported in sealed impermeable bags, or other closed, impermeable containers, and labeled in accordance with paragraph (g) of this section.

(e) *Method of measurement.* All determinations of airborne concentrations of asbestos fibers shall be made by the membrane filter method at 400–450 × (magnification) (4 millimeter objective) with phase contrast illumination.

(f) *Monitoring*—(1) *Initial determinations.* Within 6 months of the publication of this section, every employer shall cause every place of employment where asbestos fibers are released to be monitored in such a way as to determine whether every employee's exposure to asbestos fibers is below the limits prescribed in paragraph (b) of this section. If the limits are exceeded, the employer shall immediately undertake a compliance program in accordance with paragraph (c) of this section.

(2) *Personal monitoring*—(i) Samples shall be collected from within the breathing zone of the employees, on membrane filters of 0.8 micrometer porosity mounted in an open-face filter holder. Samples shall be taken for the determination of the 8-hour time-weighted average airborne concentrations and of the ceiling concentrations of asbestos fibers.

(ii) Sampling frequency and patterns. After the initial determinations required by subparagraph (1) of this paragraph, samples shall be of such frequency and pattern as to represent with reasonable accuracy the levels of exposure of employees. In no case shall the sampling be done at intervals greater than 6 months for employees whose exposure to asbestos may reasonably be foreseen to exceed the limits prescribed by paragraph (b) of this section.

(3) *Environmental monitoring*—(i) samples shall be collected from areas of a work environment which are representative of the airborne concentrations of asbestos fibers which may reach the breathing zone of employees. Samples shall be collected on a membrane filter of 0.8 micrometer porosity mounted in an open-face filter holder. Samples shall be taken for the determination of the 8-hour time-weighted average airborne concentrations and of the ceiling concentrations of asbestos fibers.

(ii) *Sampling frequency and patterns.* After the initial determinations required by subparagraph (1) of this paragraph, samples shall be of such frequency and pattern as to represent with reasonable accuracy the levels of exposure of the employees. In no case shall sampling be at intervals greater than 6 months for employees whose exposures to asbestos may reasonably be foreseen to exceed the exposure limits prescribed in paragraph (b) of this section.

(4) *Employee observation of monitoring.* Affected employees, or their representatives, shall be given a reasonable opportunity to observe any monitoring required by this paragraph and shall have access to the records thereof.

(g) *Caution signs and labels.* (1) *Caution signs.* (i) *Posting.* Caution signs shall be provided and displayed at each location where airborne concentrations of asbestos fibers may be in excess of the exposure limits prescribed in paragraph (b) of this section. Signs shall be posted at such a distance from such a location so that an employee may read the signs and take necessary protective steps before entering the area marked by the signs. Signs shall be posted at all approaches to areas containing excessive concentrations of airborne asbestos fibers.

(ii) *Sign specifications.* The warning signs required by subdivision (i) of this subparagraph shall conform to the requirements of 20" x 14" vertical format signs specified in § 1910.145(d)(4), and to this subdivision. The signs shall display the following legend in the lower panel, with letter sizes and styles of a visibility at least equal to that specified in this subdivision.

Legend	Notation
Asbestos	1" Sans Serif, Gothic or Block.
Dust Hazard	¾" Sans Serif, Gothic or Block.
Avoid Breathing Dust	¼" Gothic.
Wear Assigned Protective Equipment.	¼" Gothic.
Do Not Remain In Area Unless Your Work Requires It.	¼" Gothic.
Breathing Asbestos Dust May Be Hazardous To Your Health.	14 point Gothic.

Spacing between lines shall be at least equal to the height of the upper of any two lines.

(2) *Caution labels*—(i) *Labeling.* Caution labels shall be affixed to all raw materials, mixtures, scrap, waste, debris, and other products containing asbestos fibers, or to their containers, except that no label is required where asbestos fibers have been modified by a bonding agent, coating, binder, or other material so that during any reasonably foreseeable use, handling, storage, disposal, processing, or transportation, no airborne concentrations of asbestos fibers in excess of the exposure limits prescribed in paragraph (b) of this section will be released.

(ii) *Label specifications.* The caution labels required by subdivision (i) of this subparagraph shall be printed in letters of sufficient size and contrast as to be readily visible and legible. The label shall state:

CAUTION

Contains Asbestos Fibers

Avoid Creating Dust

Breathing Asbestos Dust May Cause Serious Bodily Harm

(h) *Housekeeping*—(1) *Cleaning.* All external surfaces in any place of employment shall be maintained free of accumulations of asbestos fibers if, with their dispersion, there would be an excessive concentration.

(2) *Waste disposal.* Asbestos waste, scrap, debris, bags, containers, equipment, and asbestos-contaminated clothing, consigned for disposal, which may produce in any reasonably foreseeable use, handling, storage, processing, disposal, or transportation airborne concentrations of asbestos fibers in excess of the exposure limits prescribed in paragraph (b) of this section shall be collected and disposed of in sealed impermeable bags, or other closed, impermeable containers.

(i) *Recordkeeping*—(1) *Exposure records.* Every employer shall maintain records of any personal or environmental monitoring required by this section. Records shall be maintained for a period of at least 3 years and shall be made available upon request to the Assistant Secretary of Labor for Occupational Safety and Health, the Director of the National Institute for Occupational Safety and Health, and to authorized representatives of either.

(2) *Employee access.* Every employee and former employee shall have reasonable access to any record required to be maintained by subparagraph (1) of this paragraph, which indicates the employee's own exposure to asbestos fibers.

(3) *Employee notification.* Any employee found to have been exposed at any time to airborne concentrations of asbestos fibers in excess of the limits prescribed in paragraph (b) of this section shall be notified in writing of the exposure as soon as practicable but not later than 5 days of the finding. The employee shall also be timely notified of the corrective action being taken.

(j) *Medical examinations*—(1) *General.* The employer shall provide or make available at his cost, medical examinations relative to exposure to asbestos required by this paragraph.

(2) *Preplacement.* The employer shall provide or make available to each of his employees, within 30 calendar days following his first employment in an occupation exposed to airborne concentrations of asbestos fibers, a comprehensive medical examination, which shall include, as a minimum, a chest roentgenogram (posterior-anterior 14 x 17 inches), a history to elicit symptomatology of respiratory disease, and pulmonary function tests to include forced vital capacity (FVC) and forced expiratory volume at 1 second ($FEV_{1.0}$).

(3) *Annual examinations.* On or before January 31, 1973, and at least annually thereafter, every employer shall provide, or make available, comprehensive medical examinations to each of his employees engaged in occupations exposed to airborne concentrations of asbestos fibers. Such annual examination shall include, as a minimum, a chest roentgenogram (posterior-anterior 14 x 17 inches), a history to elicit symptomatology of respiratory disease, and pulmonary function tests to include forced vital capacity (FVC) and forced expiratory volume at 1 second ($FEV_{1.0}$).

(4) *Termination of employment.* The employer shall provide, or make available, within 30 calendar days before or after the termination of employment of any employee engaged in an occupation exposed to airborne concentrations of asbestos fibers, a comprehensive medical examination which shall include, as a minimum, a chest roentgenogram (posterior-anterior 14 x 17 inches), a history to elicit symptomatology of respiratory disease, and pulmonary function tests to include forced vital capacity (FVC) and forced expiratory volume at 1 second ($FEV_{1.0}$).

(5) *Recent examinations.* No medical examination is required of any employee, if adequate records show that the employee has been examined in accordance with this paragraph within the past 1-year period.

(6) *Medical records*—(i) *Maintenance.* Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be retained by employers for at least 20 years.

(ii) *Access.* The contents of the records of the medical examinations required by this paragraph shall be made available, for inspection and copying, to the Assistant Secretary of Labor for Occupational Safety and Health, the Director of NIOSH, to authorized physicians and medical consultants of either of them, and, upon the request of an employee or former employee, to his physician. Any physician who conducts a medical examination required by this paragraph shall furnish to the employer of the examined employee all the information specifically required by this paragraph, and any other medical information related to occupational exposure to asbestos fibers.

Title 29—Labor

CHAPTER XVII—OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, DEPARTMENT OF LABOR

PART 1910—OCCUPATIONAL SAFETY AND HEALTH STANDARDS

Carcinogens

Pursuant to section 6(b) and (c) of the Williams-Steiger Occupational Safety and Health Act of 1970 (29 U.S.C. 655) and Secretary of Labor's Order No. 12–71 (36 FR 8754), Part 1910 of Title 29, Code of Federal Regulations, is hereby amended in the manner set forth below, in order to provide standards dealing with the exposure of employees to certain substances that are known to cause cancer.

Background. On May 22, 1972, the Deputy Assistant Secretary of Labor for Occupational Safety and Health requested information from the Director of the National Institute for Occupational Safety and Health (NIOSH) on nine substances alleged to be carcinogens. As part of his effort to gain the best available scientific data, the Director published on July 6, 1972, at 37 FR 13285, a request for information concerning 15 substances. The data, arguments, and conclusions received by NIOSH were made available to the Occupational Safety and Health Administration.

On January 4, 1973, a petition for an emergency temporary standard from the Oil, Chemical, and Atomic Workers Union (OCAW) and Health Research Group (HRG) was received by the Department of Labor. The petition contained relevant information on the danger of exposure to 10 carcinogens, and suggested regulations to prevent worker exposure to the substances.

On February 9, 1973, a notice was published in the FEDERAL REGISTER (38 FR 4037) of the receipt of the petition for issuance of an emergency temporary standard, and information was requested from interested persons on the issues involved. In response to the notice, more than 50 written comments were received.

An emergency temporary standard on carcinogens was promulgated on May 3, 1973, at 38 FR 10929. The standard concerned work practices and controls designed to protect employees from exposure to 14 carcinogenic substances.

A standard advisory committee on carcinogens was appointed and began its meetings on June 25, 1973. The members of the committee represented employers, employees, Federal and state agencies and professionals. The committee terminated its meetings on August 24, 1973, and submitted to the Assistant Secretary of Labor for Occupational Safety and Health its recommendations for a standard on certain carcinogens on August 27, 1973. The recommendations were published in the FEDERAL REGISTER on September 7, 1973 (38 FR 24375).

This rulemaking proceeding was commenced under section 6 (b) and (c) of the Act, with the emergency temporary standard serving as a proposal as required by section 6(c)(3) of the Act. Notice of the proceeding was published in the FEDERAL REGISTER on July 16, 1973 (38 FR 18900). On July 27, 1973, a revision of the emergency temporary standard was published at 38 FR 20074, and an amended notice of rulemaking proceeding was published at 38 FR 22141, on August 16, 1973.

The notices invited interested persons to submit, prior to September 5, written comments, data and arguments concerning the proposals, and also provided for the presentation of oral testimony at a public hearing scheduled for September 11–14, 1973. Numerous written comments were received and about 36 parties testified at the hearing. The record of the hearing was initially held open until September 28, for additional comments. After the close and certification of the record by the administrative law judge, additional comments mailed on or before September 28 were received. On October 2 the judge reopened the record for the limited purpose of including these additional comments. On October 15, the judge closed the proceeding and forwarded the certified record to the Assistant Secretary of Labor for Occupational Safety and Health for final decision.

A final environmental impact statement on the proposed standard on carcinogens was filed with the Council on Environmental Quality on October 2, 1973, and copies were distributed to appropriate agencies. In a letter dated November 2, 1973, the Council pointed out alleged deficiencies in the statement filed. Pursuant to that letter, a supplement to the statement was sent to the Council on November 29, 1973, with a request for a waiver of the full, 30-day review period. By letter dated December 10, 1973, the Council advised that the request had been denied. Notice of the filing of the supplement was published by the Council on December 14, 1973 (38 FR 34488).

The following are the major issues raised in the record of this proceeding:

(1) *Selection of carcinogens.* Some participants in this proceeding have demanded to know the criteria for the selection of the 14 substances for regulation. As the written submission of Uniroyal Chemical notes, thirteen compounds derive from Appendix A to the 1972 TLV pamphlet published by the American Conference of Government Industrial Hygienists (ACGIH). Alpha-Naphthylamine, which is not in the appendix, has been added because it has frequently been found, in industrial experience and in epidemiologic studies, together with beta-naphthylamine, and because experimental animal studies demonstrate its independent carcinogencity, Dimethyl sulfate, which is in the appendix, is not included in the standards because it was concluded after consideration of the relevant literature that the documentation of its carcinogenicity was inadequate. The substances listed by ACGIH (except one) were selected in order to take advantage of the work and judgment of that group. Also, ten of the fourteen substances were proposed to the Occupational Safety and Health Administration (OSHA) for regulation by OCAW and HRG in their petition.

(2) *Documentation of carcinogenicity.* The National Institute for Occupational Safety and Health (NIOSH), as official scientific advisor to OSHA, submitted to OSHA fourteen hazard review documents; one for each of the substances included in the standards. Each hazard review document contains a summary and evaluation of information and data obtained by NIOSH, including experimental animal and epidemiologic data. All but one of the substances are considered by ACGIH to be carcinogenic in man and/or animals.

In promulgating these standards, OSHA has relied extensively but not exclusively, on the hazard review documents prepared by NIOSH. Some of the substances are recognized as human carcinogens by some employers participating in this proceeding. For instance, although Young Aniline Works apparently takes issue with the studies which demonstrated Benzidine to be a human carcinogen, the Benzidine Task Force of the Synthetic Organic Chemical Manufacturers Association does not oppose OSHA considering benzidine as carcinogenic to humans.

The essence of the NIOSH hazard review documents follows.

2-Acetylaminofluorene. Experimental animal investigations involving rats, mice, rabbits, dogs, hamsters and fowl have demonstrated the carcinogenicity of 2-Acetylaminofluorene (2-AAF). Investigations into the mechanism whereby 2-Acetylaminofluorene exerts its carcinogenic effect have demonstrated that the N-hydroxylated metabolite, N-hydroxy-2-AAF, was produced in several animal species and was more carcinogenic than the parent compound. The National Cancer Institute (NCI) demonstrated that humans also metabolize this substance to the same carcinogenic metabolite. From these findings, it seems reasonable to conclude that 2-AAF, which has been shown to be carcinogenic in many animal species, is carcinogenic in man.

4-Aminodiphenyl. The potential of 4-Aminodiphenyl (4-ADP) to induce bladder cancer in humans has been established in epidemiologic studies conducted by Melick et al. and Koss et al. Deichmann & Radomski considered 4-ADP to possess a relative carcinogenic potential for the dog 6 times greater than that of beta-Naphthylamine, 17 times greater than that of 4-Nitrobiphenyl and 27 times greater than that of Benzidine. In addition, the carcinogenicity of 4-ADP has been well-established in the open scientific literature with demonstrated potential for malignant tumor induction in rabbits and mice. The accumulated experimental and epidemiologic evidence have demonstrated 4-Aminodiphenyl may be the most hazardous aromatic amine regarding carcinogenic potential.

Benzidine. Benzidine was demonstrated to be carcinogenic in experimental animal investigations involving

The latest issuance of the Occupational Safety and Health Standards contained in Part 1910 of Title 29 of the Code of Federal Regulations appeared in the June 27, 1974, issue of the Federal Register, Volume 39, Number 125, Part II, beginning with page 23502.

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rats, dogs, hamsters, and mice. Epidemiologic investigations of worker populations exposed to Benzidine have clearly demonstrated that this substance and its salts are also carcinogenic in humans. The incidence of urinary bladder cancer in workers exposed to Benzidine in these epidemiologic investigations greatly exceeded the incidence of this disease in the general population.

3,3'-Dichlorobenzidine. The determination that 3,3'-Dichlorobenzidine (DCB) is potentially carcinogenic for humans rests on the determination that DCB has been shown to be carcinogenic in controlled animal studies involving rats, mice and hamsters. A clearly defined and statistically significant worker population exposed to DCB only, in either the past or in the present, is difficult to ascertain. Existing worker populations have been either exposed to other listed chemical carcinogens in their past work experience or are presently being exposed to other suspect carcinogens in addition to DCB. Therefore, the case for the human carcinogenicity of DCB must rely on extrapolation to humans of the most pertinent animal studies of oncogenesis.

The studies by the NCI concerning the induction of tumors, significantly including bladder tumors in hamsters, and the studies by Pliss et al. concerning the induction of tumors in mice and rats present experimental evidence of tumor production in three animal species.

Although DCB has been detected in the urine of workers receiving a minimum of exposure, the metabolism of this substance is unclear, although it probably differs from that of other carcinogenic aromatic amines such as Benzidine and beta-Naphthylamine.

4-Dimethylaminoazobenzene. Numerous reports concerning carcinogenicity of 4-Dimethylaminoazobenzene (DAB) in experimental animals have been published. This substance was demonstrated to be carcinogenic in rats, dogs, neonatal mice and trout. The similarity in metabolism of various aromatic amines in dogs and humans, emphasizes the importance of the finding that DAB has been demonstrated carginogenic for dogs.

alpha-Naphthylamine. The contamination of alpha-Naphthylamine (1-NA) by beta-Naphthylamine (2-NA) a potent carcinogen, and mixed occupational exposures involving 1-NA and other aromatic amines has confounded the epidemiologic conclusion that 1-NA is carcinogenic in man. Both 1-NA and 2-NA are readily metabolized to various derivatives, several of which have a demonstrated carcinogenic potential in experimental animals. The demonstration that a metabolite of 1-NA, N-Hydroxy-1-naphthylamine, possessed a greater carcinogenic potential than the corresponding 2-NA metabolite, N-Hydroxy-2-naphthylamine, emphasizes this consideration. In addition, the extensive epidemiologic study in the dyestuffs industry conducted by Case failed to eliminate an active role for 1-NA as a human bladder carcinogen.

beta-Naphthylamine. beta-Naphthylamine (2-NA) was demonstrated to induce cancer of the urinary bladder in dogs, rhesus monkeys and hamsters. Tumors were induced in other organs of rats and mice exposed to 2-NA although attempts at tumor induction in rabbits was unsuccessful. Epidemiologic investigations of worker populations exposed to 2-NA clearly demonstrates that this substance is carcinogenic in humans.

4-Nitrobiphenyl. Because of the structural similarity of 4-Aminodiphenyl to 4-Nitrobiphenyl and the experimental evidence for in vivo formation of 4-Aminodiphenyl from 4-Nitrobiphenyl, the epidemiologic investigations published by Melick et al. and by Koss et al. are of special significance. These studies have demonstrated the potential of 4-Aminodiphenyl to induce urinary bladder cancer in humans. The case of the carcinogenicity of 4-Nitrobiphenyl is strongly supported by the induction of urinary bladder cancer in dogs, the evidence that 4-Nitrobiphenyl is metabolized, in vivo, to 4-Aminodiphenyl (a highly carcinogenic aromatic amine), and the possibility that the cases of human urinary bladder cancer attributed by Melick et al. to 4-Aminodiphenyl only, may have been induced by exposure to 4-Nitrobiphenyl as well.

N-Nitrosodimethylamine. The carcinogenicity of N-Nitrosodimethylamine (DMN) for the liver and kidney of the rat has been repeatedly demonstrated in experimental studies. In addition, primary tumors of the lungs have been induced in rats administered oral doses of DMN and inhalation of DMN has produced tumors of the nasal area. Other experimental animal investigations have demonstrated the carcinogenicity of DMN for the mouse, the hamster, the guinea pig, the rabbit and several species of fish. In view of this broad spectrum of carcinogenic activity in experimental animals, DMN must be regarded as potentially carcinogenic for man.

beta-Propiolactone. The carcinogenicity of beta-Propiolactone (BPL) has been demonstrated in mice by skin application, subcutaneous injection and intraperitoneal injection. Malignant tumors have been induced in rats by subcutaneous injection, intratracheal administration, and intragastric feeding. Skin application to hamsters induced a very high incidence of skin tumors. Although epidemiologic evidence demonstrating BPL to possess a carcinogenic potential for humans is not available, the weight of the experimental animal data indicates that BPL is also a carcinogen in humans.

bis(Chloromethyl)ether. Investigations with experimental animals (mice and rats) have demonstrated that bis(chloromethyl)ether (BCME) is a very hazardous carcinogenic substance. Skin application or subcutaneous injection of experimental animals has resulted in malignant lesions at the site of application or injection and in malignant tumors of the lungs. Of significance was the demonstration that 1 ppm or 0.1 ppm of BCME in air, induced lung cancer in mice or rats. Epidemiologic investigations conducted separately by the National Institute for Occupational Safety and Health and others demonstrated that employee exposure to BCME is extremely hazardous with a high probability of lung cancer.

Chloromethyl Methyl ether. The results of investigations with experimental animals exposed to commercial grades of Chloromethyl methyl ether (CMME) have been inconclusive regarding the carcinogenicity of this substance because of contamination by small concentrations of the highly carcinogenic bis- derivative-bis(Chloromethyl)ether. However, experimental animal investigations involving chemically purified CMME have demonstrated that this substance possesses a carcinogenic potential.

Epidemiologic investigations reported in 1972 and in 1973 strongly implicated CMME as a human carcinogen, although concomitant exposure to BCME cannot be discounted.

4,4' - Methylene-bis(2 - chloroaniline). The results of experimental animal studies involving rats and mice, as reported by three different groups of investigators, have clearly demonstrated a carcinogenic potential for 4,4'-Methylene-bis(2-chloroaniline). The results of two industrial studies involving workers exposed to 4,4'-Methylene - bis(2 - chloroaniline) were not definitive and cannot be relied upon to assess the hazards of occupational exposure to this substance, although one of the studies reported that several exposed workers developed hematuria.

Ethyleneimine. The carcinogenic potential of ethyleneimine (EI) has been confirmed by a study conducted by Walpole in 1954 involving rats and one sponsored by the National Cancer Institute involving mice. In the first study, animals developed injection site sarcomas which the investigators attributed to the direct action of Ethyleneimine, and in the second study 80 percent of the animals developed tumors, including more than one-half with hepatomas (which the investigators stated had "malignant potentiality") and almost three-quarters with pulmonary tumors. Although high doses of EI were administered, the investigators stated there was no way to predict whether man would be more or less susceptible to tumor induction by EI.

The case for the carcinogenicity of EI, then, rests on the extrapolation to humans of the findings in two separate, controlled animal studies. This position is compatible with that of NIOSH concerning the prior demonstration of carcinogenicity in at least two animal studies.

A major question of occupational carcinogenesis relates to the extrapolation of results of animal experimentation to humans. The basis of numerous objections to the proposals is that, even assuming the validity of animal experiments, such do not furnish sufficient evidence that the substances involved are carcinogenic to humans. Extrapolation of results obtained by animal experimentation is alleged to be vitiated by several considerations: (a) That certain cancers are specific only to some species;

(b) that the conditions of animal experiments are out of proportion to, and not consistent with, conditions prevailing in industrial exposure; and (c) that no cancers have yet been detected in humans exposed to the substances. For those substances whose metabolism is understood, and is similar in both animals and man, the fact that they induce cancers in animals warrants the expectation that they will induce cancers in men. This applies to the substances which cause urinary bladder cancers in animals acting, not directly, but indirectly through the mediation of metabolites formed both in experimental animals and in exposed workers. This is also true of those substances which apparently require no metabolic alteration but attack a particular biologic system (e.g., respiratory tract, alimentary canal) which is similar in both animals and humans.

The objections raise the much broader issue of human exposure to a chemical which is only known to have caused cancers in experimental animals.

It is important to note that some opponents of the regulation of such chemicals do not advocate treating them as if they were harmless with respect to carcinogenic potential. Several employers, for instance insist that such substances must be treated with "care" or "respect," while also insisting that they call for significantly less protection than those substances known to be human carcinogens.

We think it improper to afford less protection to workers when exposed to substances found to be carcinogenic only in experimental animals. Once the carcinogenicity of a substance has been demonstrated in animal experiments, the practical regulatory alternatives are to consider them either non-carcinogenic or carcinogenic to humans, until evidence to the contrary is produced. The first alternative would logically require, not relaxed controls on exposure, but exclusion from regulation. The other alternative logically leads to the treatment of a substance as if it was known to be carcinogenic in man.

We agree with the Director of NIOSH, and the report of the Ad Hoc Committee on the Evaluation of Low Levels of Environmental Chemical Carcinogens to the Surgeon General, U.S. Public Health Service, April 22, 1970, that the second alternative is the responsible and correct one. This decision accords with the work practices of some who object to the proposed regulation. For example, although the Pharmaceutical Manufacturers Association argues for the exclusion of research laboratories from the standard, it states as its ground the fact that employees in Pharmaceutical research are taught to work with all chemicals under the assumption that they are dangerous, unless it is specifically known that they are not.

(3) *The petition, zero tolerance, and permit system.* The petition of Oil, Chemical and Atomic Workers Union (OCAW) and Health Research Group (HRG) for an emergency temporary standard on ten substances proceeds on the assumption that any exposure to any amount of a carcinogenic substance must be prevented. Accordingly, it proposes a standard of zero tolerance permitting no exposure whatsoever. This objective would be accomplished by means of a permit system and frequent monitoring and reporting.

We agree with the Ad Hoc Committee on the Evaluation of Low Levels of Environmental Chemical Carcinogens that a safe level of human exposure to any of the 14 carcinogens cannot be established by application of present knowledge. But we are not prepared to draw from this state of knowledge the conclusion that such levels do not exist. First, it is the professional opinion of many knowledgeable people that as yet undetermined safe levels of exposure possibly do exist. Also, a conclusion that safe levels do not exist seems questionable in view of other studies, some in the area of carcinogenicity which demonstrated that below a certain amount of a single or cumulative dosage, no detectable harm is caused, or if harm is caused, the extent of such harm will be of no practicable importance because the latency period prior to manifestation of harmful effects will be of greater duration than the normal lifespan of man. Secondly, no possible exposure to the carcinogens under any circumstances could only be guaranteed by a total ban on the manufacture, use (even for cancer research), and transportation of the substances. As long as the substances are used, exposure to some amounts may occur because of breakdown of equipment or human error. Accordingly, the intent of the standards is to reduce exposure of workers to any of the listed substances to the maximum extent practicable consistent with continued use.

Numerous objections have challenged the authority for, and the administrative feasibility of, the permit system proposed on July 16, 1973 (38 FR 18902). It is argued, for instance, that the Act requires the promulgation of general standards, in accordance with the procedures prescribed in section 6 of the Act, while the proposed permits would be tailored to particular users, and would be issued by a different procedure.

Another objection argues that a permit system, to be effective, would require authority to stop an operation involving a carcinogen by administrative action, in contravention of the statutory scheme which contemplates judicial determinations resulting in the cessation of an operation.

With regard to feasibility, it is pointed out that a multitude of permits would be required, and that, therefore, the implementation of a permit system would require substantial resources and several years.

It has been made clear that there are numerous uses and processes involving carcinogens. It appears, for instance, that there are 800 to 1800 users of 4,4'-methylene bis(2-chloroaniline) alone. The investigations and evaluations of thousands of work situations involving a carcinogen, and the completion of the procedures, possibly including hearings, for the granting of the permits, would require many years and the diversion of substantial resources, even if available, from other serious occupational safety and health problems.

After considering the administrative and legal aspects of a permit system, as against those of general standards enforced by the use of the current enforcement tools of the Act, the decision has been made not to adopt a permit system.

The requirement in the adopted standards for employers to report the uses of carcinogens and the nature of operations involved, together with incidents of releases of carcinogens, will permit significant administrative surveillance.

(4) *Mixtures.* The proposal for this rulemaking proceeding, like the Emergency Temporary Standard, excludes from the scope of the standard mixtures containing less than specified percentages of the 14 listed substances. The specific figure as a cutoff point derives from the regulations of the Commonwealth of Pennsylvania and England, which also regulate exposure to carcinogens, and apparently have faced the same administrative difficulties confronting OSHA. It is recognized that some of the carcinogens may be used in minute amounts with other substances, or may appear as unintended, undesired by-products or contaminants of processes. Some of the substances are used in minute amounts in cancer research laboratories, and for medical purposes. The College of American Pathologists, for instance, points out that for years pathology laboratories and physicians have used benzidine and/or benzidine dihydrochloride for diagnostic purposes. The American Home Products Corporation calls attention to the use of beta-Propiolactone for the sterilization of vaccines and tissue grafts. Koppers, Inc., requests an exemption in some form for materials, such as coal tar and coal tar products, that contain trace amounts of some carcinogens as by-products or contamination of processes essential to our industrial society. It states that the application of the proposed standard to crude mixtures, such as coal tar and coal tar products, without any exemption, would have the effect of closing down large segments of industry, such as steelmaking, wood preserving, roofing, aluminum reduction, and possibly even power plants.

The adopted standards retain the proposed exclusion of solid or liquid mixtures containing less than 1 percent, by weight or volume, of eight of the carcinogens. Solid or liquid mixtures containing 4-Aminodiphenyl, Benzidine (and its salts), 4-Nitrobiphenyl, beta-Naphthylamine, bis-Chloromethyl ether and Methyl chloromethyl ether are excluded only if they contain less than 0.1 percent of those substances. Finally, an exclusion is provided in the destructive distillation of carbonaceous materials, for alpha-Naphthylamine and beta-Naphthylamine, which may occur in such processes.

The overall purpose of all the exclusions is to avoid substantial obstruction, if not stoppage, of the use of many processes and products which are considered useful in industry and even in cancer research, and about which the record contains very little information. We do not know how many such products and processes there are, nor the availability of substitutes for all of the carcinogens involved, nor the effect of the other components of a mixture on the carcinogenic potentiality of the small amounts of the carcinogen involved. The exclusionary percentage for mixtures containing 4-Aminodiphenyl, Benzidine, 4-Nitrobiphenyl, beta-Naphthylamine, bis-Chloromethyl ether and Methyl chloromethyl ether has been lowered from 1 percent to 0.1 percent because these substances are known to be potent human carcinogens.

The exclusion for the destructive distillation of carbonaceous materials is for the purpose of avoiding the extreme consequences to the segments of the industry using vigorous thermal processes at a time when a separate standard-setting proceeding on coke oven emissions will afford the opportunity for a more in-depth consideration of this whole area (see 38 FR 26207). The exclusion of the mixtures rests, not on a finding that the mixtures are non-carcinogenic, but rather on a decision not to regulate them at this time, on the basis of the record of this proceeding.

(5) *Number of Standards Needed.* Another objection to the proposals is that the standard "lumps together" many different substances with different chemicals and physical properties, different physical states, different biological properties and different uses. There is merit in this objection. Accordingly, 14 standards are adopted, one for each substance listed in the proposal of July 16, 1973.

These standards recognize and provide for different uses and operations involving the regulated carcinogens. Ethyleneimine and beta-Propiolactone are immediately corrosive, and provisions are made in the standards for these materials for deluge showers and eye wash fountains, located near places where exposures might be expected. Principally volatile materials will not be present long enough for routine washing or showering to have effect as a protective measure. Thus, a requirement to wash on each exit, and shower at the end of the day, would not offer any significant protection to employees working in areas where the volatile materials, Methyl chloromethyl ether, bis-Chloromethyl ether, Ethyleneimine and beta-Propiolactone, are present in a closed system or closed system transfer operation. Trace amounts that might be adsorbed onto exposed skin vaporize long before the empolyee would routinely wash or shower. Wash requirements are retained for these materials in isolated system operations because the closed confinement of glovebox gloves would inhibit vaporization if a leak should occur.

Special provisions are made for premix operations involving 4,4 Methylene-bis (2-chloroaniline) and liquid prepolymer. These premix solutions, frozen or otherwise, are packaged in such a manner and used only after the 4,4'-Methylene-bis(2-chloroaniline) and the prepolymer have started to react. No dust hazard exists and a vapor hazard is unlikely. For this reason, the standard requires only protective clothing such as smocks, coveralls, or long-sleeved shirts and pants, and gloves. This, we believe, will afford adequate protection for these workers.

On the other hand, some of the differences pointed out do not require different treatment. There are basically two strategies of control, regardless of the physical state of a carcinogen. One is to isolate the carcinogen and the other is to isolate the area of possible exposure. In cases of isolated systems, the physical state of a carcinogen may be disregarded for practical purposes. When a system is isolated and fully closed so that the substances cannot escape into the work environment, it does not matter if the substance in it is a solid, liquid, or gas. An isolated system achieved by engineering controls is the preferred approach and the basic approach adopted in the standards. That is, the preferred method of control is engineering control, such as by closed systems, mechanical seals, remote controls, and local exhaust ventilation. This approach most effectively isolates employees from potential contamination.

This is the reason for the ban on open vessel operations. Because of consideration of feasibility, special provisions are made for laboratory hoods and transfer point operations, and additional work practice requirements are made applicable to them.

When protection is afforded by means of personal protective equipment, it is thought best to require body coverage, regardless of the physical state of the substance and its path of travel into the body. The reason for such personal protection is that even if a substance is considered to do harm only when ingested or inhaled, it is prudent to provide protective garments to be discarded after use, so that a worker may not accidentally inhale or ingest contaminants adhering to his clothing or body. This precaution is reasonable, especially since the standards do not require full impervious air-supplied suits. OSHA agrees with the many comments that a full impervious air-supplied suit is cumbersome, while impervious garments with air-supplied hoods are adequate and more comfortable to the workers when used in accordance with the work practice provisions of these standards.

(6) *Research laboratories.* Numerous objections have been made to the proposal for identical treatment of industrial use and laboratory use of the carcinogens. There are essentially three objections: (a) That laboratories use very small amounts of the substances; (b) that work is done by, or under the direction of, highly trained personnel; and (c) that, in the absence of an exemption or other special consideration, the standard as proposed would obstruct, and possibly even prevent much research including cancer research.

These objections are well-taken and special provisions are made applicable to laboratory activities. The provisions are derived from the Minimum Safety Guidelines for Research in Cancer (Part 1, For Research Involving Chemical Carcinogens), prepared in draft form by the Cancer Research Safety Committee of the National Cancer Institute. In addition, it is to be noted that the exclusion provisions for certain mixtures may, by themselves, make a whole standard inapplicable.

Personnel engaged in animal support activities must necessarily handle animals exposed in connection with experiments involving one or more of the carcinogens. Such support activities include the feeding of animals, cleaning of cages and the animal room, and caring for the animals, including weighing operations. Such close animal contact involves potential exposure both to a carcinogen and to metabolites of the carcinogen and therefore requires the more stringent controls for such personnel provided in the standards.

(7) *Signs and labels.* The controversy with regard to signs and labels centers on whether the word "cancer" should be used. We believe that a diluted form of warning will not suffice. We appreciate the concern of employers with the reactions of their employees and the users of their products. But we consider of paramount importance that a worker should be fully apprised and realize the possible risks involved in his occupation. The use of the word "suspect" in the phrase "Cancer-Suspect" follows the revised Emergency Temporary Standard issued July 27, 1973. Coupled with the information and training requirement in the standard, it appears to provide the necessary warning to employees.

(8) *Information and training.* Employers are responsible for providing indoctrination and training to their employees on the nature of the carcinogenic hazards in the establishment, and the precautions to be used when working with or in the presence of the carcinogens. Information on the training and education to be provided to employees is specified in each of the standards for a carcinogenic agent.

(9) *Monitoring.* No provisions for specific techniques or instruments for environmental monitoring are contained in the standards adopted. OSHA has requested NIOSH to develop, on a priority basis, methods for determining qualitative and quantitative amounts of the carcinogens in the workplace.

(10) *Medical surveillance.* Medical surveillance by a physician is required in the standards prior to assignment, at yearly intervals thereafter and whenever known or possible exposure to a carcinogen has occurred. Medical surveillance is considered necessary because of the long latency period inherent in occupational carcinogenesis, since initiation of exposure and induction of cancer are not synchronous events.

(11) *Reports and records.* The standards require reports concerning the use of carcinogens, the number of employees in regulated areas, and incidents resulting in the release of a carcinogen in an area where employees may be potentially exposed. The standards also require records of medical examinations of employees. The reports and records are considered necessary in order to monitor the effectiveness of the standards in protecting employees against occupational cancer and in order to obtain information, on a continuing basis, concerning the hazards found in the use of the carcinogens.

Accordingly, upon consideration of the whole record of this proceeding, 29 CFR Part 1910 is amended by revising § 1910.93c and by adding new §§ 1910.93d through 1910.93p, reading as follows:

§ 1910.93c 4-Nitrobiphenyl.

(a) *Scope and application.* (1) This section applies to any area in which 4-Nitrobiphenyl, Chemical Abstracts Service Registry Number 92933 is manufactured, processed, repackaged, released, handled, or stored, but shall not apply to transshipment in sealed containers, except for the labeling requirements under paragraphs (e) (2), (3), and (4) of this section.

(2) This section shall not apply to solid or liquid mixtures containing less than 0.1 percent by weight or volume of 4-Nitrobiphenyl.

(b) *Definitions.* For the purposes of this section: (1) "Absolute filter" is one capable of retaining 99.97 percent of a mono disperse aerosol of 0.3 μm particles.

(2) "Authorized employee" means an employee whose duties require him to be in the regulated area and who has been specifically assigned by the employer.

(3) "Clean change room" means a room where employees put on clean clothing and/or protective equipment in an environment free of 4-Nitrobiphenyl. The clean change room shall be contiguous to and have an entry from a shower room, when the shower room facilities are otherwise required in this section.

(4) "Closed system" means an operation involving 4-Nitrobiphenyl where containment prevents the release of 4-Nitrobiphenyl into regulated areas, nonregulated areas, or the external environment.

(5) "Decontamination" means the inactivation of 4-Nitrobiphenyl or its safe disposal.

(6) "Director" means the Director, National Institute for Occupational Safety and Health, or any person directed by him or the Secretary of Health, Education, and Welfare to act for the Director.

(7) "Disposal" means the safe removal of 4-Nitrobiphenyl from the work environment.

(8) "Emergency" means an unforseen circumstance or set of circumstances resulting in the release of 4-Nitrobiphenyl which may result in exposure to or contact with 4-Nitrobiphenyl.

(9) "External environment" means any environment external to regulated and nonregulated areas.

(10) "Isolated system" means a fully enclosed structure other than the vessel of containment of 4-Nitrobiphenyl, which is impervious to the passage of 4-Nitrobiphenyl, and which would prevent the entry of 4-Nitrobiphenyl into regulated areas, nonregulated areas, or the external environment, should leakage or spillage from the vessel of containment occur.

(11) "Laboratory type hood" is a device enclosed on three sides and the top and bottom, designed and maintained so as to draw air inward at an average linear face velocity of 150 feet per minute with a minimum of 125 feet per minute; designed, constructed, and maintained in such a way that an operation involving 4-Nitrobiphenyl within the hood does not require the insertion of any portion of any employees' body other than his hands and arms.

(12) "Nonregulated area" means any area under the control of the employer where entry and exist is neither restricted nor controlled.

(13) "Open-vessel system" means an operation involving 4-Nitrobiphenyl in an open vessel, which is not in an isolated system, a laboratory type hood, nor in any other system affording equivalent protection against the entry of 4-Nitrobiphenyl into regulated areas, nonregulated areas, or the external environment.

(14) "Protective clothing" means clothing designed to protect an employee against contact with or exposure to 4-Nitrobiphenyl.

(15) "Regulated area" means an area where entry and exit is restricted and controlled.

(c) "Requirements for areas containing 4-Nitrobiphenyl." A regulated area shall be established by an employer where 4-Nitrobiphenyl is manufactured, processed, used, repackaged, released, handled or stored. All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved: (1) *Isolated systems.* Employees working with 4-Nitrobiphenyl within an isolated system such as a "glove box" shall wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.

(2) *Closed system operation.* Within regulated areas where 4-Nitrobiphenyl is stored in sealed containers, or contained in a closed system, including piping systems, with any sample ports or openings closed while 4-Nitrobiphenyl is contained within: (i) Access shall be restricted to authorized employees only;

(ii) Employees shall be required to wash hands, forearms, face and neck upon each exit from the regulated areas, close to the point of exit and before engaging in other activities.

(3) *Open vessel system operations.* Open vessel system operations as defined in paragraph (b) (13) of this section are prohibited.

(4) *Transfer from a closed system, charging or discharging point operations, or otherwise opening a closed system.* In operations involving "laboratory type hoods," or in locations where 4-Nitrobiphenyl is contained in an otherwise "closed system," but is transferred, charged, or discharged into other normally closed containers, the provisions of this subparagraph shall apply. (i) Access shall be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), shoe covers and gloves prior to entering the regulated area.

(iv) Employees engaged in 4-Nitrobiphenyl handling operations shall be provided with and required to wear and use a half-face, filter-type respirator for dusts, mists, and fumes, in accordance with § 1910.134. A respirator affording higher levels of protection may be substituted.

(v) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under paragraphs (e) (2), (3), and (4), of this section.

(vi) Employees shall be required to wash hands, forearms, face and neck on each exit from the regulated area, close to the point of exit, and before engaging in other activities.

(vii) Employees shall be required to shower after the last exit of the day.

(viii) Drinking fountains are prohibited in the regulated area.

(5) *Maintenance and decontamination activities.* In cleanup of leaks or spills, maintenance or repair operations on contaminated systems or equipment, or any operations involving work in an area where direct contact with 4-Nitrobiphenyl could result, each authorized employee entering that area shall: (i) Be provided with and required to wear clean, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with § 1910.134.

(ii) Be decontaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(6) *Laboratory activities.* The requirements of this subparagraph shall apply to research and quality control activities involving the use of 4-Nitrobiphenyl. (i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surfaces on which 4-Nitrobiphenyl is handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious containers which are closed and decontaminated prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of 4-Nitrobiphenyl shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high-efficiency scrubbers or with disposable absolute filters.

(vii) Employees engaged in animal support activities shall be (*a*) provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory protective equipment or devices; and

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(c) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities; and

(*d*) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be (*a*) provided with and required to wear a clean change of appropriate laboratory clothing, such as a solid front gown, surgical scrub suit, or fully buttoned laboratory coat.

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(c) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where 4-Nitrobiphenyl is handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of 4-Nitrobiphenyl shall be maintained.

(xii) Ventilated apparatus such as laboratory type hoods, shall be tested at least semi-annually or immediately after ventilation modification or maintenance operations, by personnel fully qualified to certify correct containment and operation.

(*d*) *General regulated area requirements*—(1) *Employee identification.* A daily roster of employees entering regulated areas shall be established and maintained. The rosters or a summary of the rosters, shall be retained for a period of 20 years. The rosters and/or summaries shall be provided upon request to authorized representatives of the Assistant Secretary and the Director. In the event that the employer ceases business without a successor, rosters shall be forwarded by registered mail to the Director.

(2) *Emergencies.* In an emergency, immediate measures including, but not limited to, the requirements of subdivisions (i), (ii), (iii), (iv), and (v) of this subparagraph shall be implemented. (i) The potentially affected area shall be evacuated as soon as the emergency has been determined.

(ii) Hazardous conditions created by the emergency shall be eliminated and the potentially affected area shall be decontaminated prior to the resumption of normal operations.

(iii) Special medical surveillance by a physician shall be instituted within 24 hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with paragraph (f)(2) of this section.

(iv) Where an employee has a known contact with 4-Nitrobiphenyl such employee shall be required to shower as soon as possible, unless contraindicated by physical injuries.

(v) An incident report on the emergency shall be reported as provided in paragraph (f)(2) of this section.

(3) *Hygiene facilities and practices.* (i) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(ii) Where employees are required by this section to wash, washing facilities shall be provided in accordance with § 1910.141(d) (1) and (2)(ii) through (vii).

(iii) Where employees are required by this section to shower, shower facilities shall be provided in accordance with § 1910.141(d)(3).

(iv) Where employees wear protective clothing and equipment, clean change rooms shall be provided, in accordance with § 1910.141(e), for the number of such employees required to change clothes.

(v) Where toilets are in regulated areas, such toilets shall be in a separate room.

(4) *Contamination control.* (i) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas. Local exhaust ventilation may be used to satisfy this requirement. Clean makeup air in equal volume shall replace air removed.

(ii) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner that does not cause contamination in nonregulated areas or the external environment.

(iii) Decontamination procedures shall be established and implemented to remove 4-Nitrobiphenyl from the surfaces of materials, equipment and the decontamination facility.

(iv) Dry sweeping and dry mopping are prohibited.

(e) *Signs, information and training*—(1) *Signs.* (i) Entrances to regulated areas shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT

AUTHORIZED PERSONNEL ONLY

(ii) Entrances to regulated areas containing operations covered in paragraph (c)(5) of this section shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT EXPOSED IN THIS AREA

IMPERVIOUS SUIT INCLUDING GLOVES, BOOTS, AND AIR-SUPPLIED HOOD REQUIRED AT ALL TIMES

AUTHORIZED PERSONNEL ONLY

(iii) Appropriate signs and instructions shall be posted at the entrance to, and exit from, regulated areas, informing employees of the procedures that must be followed in entering and leaving a regulated area.

(2) *Container contents identification.* (i) Containers of 4-Nitrobiphenyl and containers required under paragraphs (c)(4)(v) and (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*), of this section which are accessible only to, and handled only by, authorized employees, or by other employees trained in accordance with subparagraph (5) of this paragraph, may have contents identification limited to a generic or proprietary name, or other proprietary identification, of the carcinogen and percent.

(ii) Containers of 4-Nitrobiphenyl and containers required under paragraphs (c)(4)(v), (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible to, or handled by employees other

than authorized employees or employees trained in accordance with subparagraph (5) of this paragraph shall have contents identification which includes the full chemical name and Chemical Abstracts Service Registry number as listed in paragraph (a)(1) of this section.

(iii) Containers shall have the warning words "CANCER-SUSPECT AGENT" displayed immediately under or adjacent to the contents identification.

(iv) Containers which have 4-Nitrobiphenyl contents with corrosive or irritating properties shall have label statements warning of such hazards, noting, if appropriate, particularly sensitive or affected portions of the body.

(3) *Lettering.* Lettering on signs and instructions required by subparagraph (1) shall be a minimum letter height of 2 inches. Labels on containers required under this section shall not be less than ½ the size of the largest lettering on the package, and not less than 8 point type in any instance. *Provided,* That no such required lettering need be more than 1 inch in height.

(4) *Prohibited statements.* No statement shall appear on or near any required sign, label, or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(5) *Training and indoctrination.* (i) Each employee prior to being authorized to enter a regulated area, shall receive a training and indoctrination program including, but not necessarily limited to: (*a*) The nature of the carcinogenic hazards of 4-Nitrobiphenyl, including local and systemic toxicity;

(*b*) The specific nature of the operation involving 4-Nitrobiphenyl which could result in exposure;

(*c*) The purpose for and application of the medical surveillance program, including, as appropriate, methods of self-examination;

(*d*) The purpose for and application of decontamination practices and purposes;

(*e*) The purpose for and significance of emergency practices and procedures;

(*f*) The employee's specific role in emergency procedures;

(*g*) Specific information to aid the employee in recognition and evaluation of conditions and situations which may result in the release of 4-Nitrobiphenyl;

(*h*) The purpose for and application of specific first aid procedures and practices;

(i) A review of this section at the employee's first training and indoctrination program and annually thereafter.

(ii) Specific emergency procedures shall be prescribed, and posted, and employees, shall be familiarized with their terms, and rehearsed in their application.

(iii) All materials relating to the program shall be provided upon request to authorized representatives of the Assistant Secretary and the Director.

(*f*) *Reports*—(1) *Operations.* Not later than March 1, 1974, the information required in subdivisions (i), (ii), (iii), and (iv) of this subparagraph shall be reported in writing to the nearest OSHA Area Director. Any changes in such information shall be similarly reported in writing within 15 calendar days of such change. (i) A brief description and in-plant location of the area(s) regulated and the address of each regulated area;

(ii) The name(s) and other identifying information as to the presence of 4-Nitrobiphenyl in each regulated area;

(iii) The number of employees in each regulated area, during normal operations including maintenance activities and

(iv) The manner in which 4-Nitrobiphenyl is present in each regulated area; e.g. whether it is manufactured, processed, used, repackaged, released, stored, or otherwise handled.

(2) *Incidents.* Incidents which result in the release of 4-Nitrobiphenyl into any area where employees may be potentially exposed shall be reported in accordance with this subparagraph. (i) A report of the occurrence of the incident and the facts obtainable at that time including a report on any medical treatment of affected employees shall be made within 24 hours to the nearest OSHA Area Director.

(ii) A written report shall be filed with the nearest OSHA Area Director within 15 calendar days thereafter and shall include: (*a*) A specification of the amount of material released, the amount of time involved, and an explanation of the procedure used in determining this figure;

(*b*) A description of the area involved, and the extent of known and possible employee exposure and area contamination, and

(*c*) A report of any medical treatment of affected employees, and any medical surveillance program implemented; and

(*d*) An analysis of the circumstances of the incident, and measures taken or to be taken, with specific completion dates, to avoid further similar releases.

(*g*) *Medical surveillance.* At no cost to the employee, a program of medical surveillance shall be established and implemented for employees considered for assignment to enter regulated areas, and for authorized employees. (1) *Examinations.* (i) Before an employee is assigned to enter a regulated area, a preassignment physical examination by a physician shall be provided. The examination shall include the personal history of the employee, family and occupational background, including genetic and environmental factors.

(ii) Authorized employees shall be provided periodic physical examinations, not less often than annually, following the preassignment examination.

(iii) In all physical examinations, the examining physician shall consider whether there exist conditions of increased risk, including reduced immunological competence, those undergoing treatment with steroids or cytotoxic agents, pregnancy and cigarette smoking.

(2) *Records.* (i) Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be maintained for the duration of the employee's employment. Upon termination of the employee's employment, including retirement or death, or in the event that the employer ceases business without a successor, records, or notarized true copies thereof, shall be forwarded by registered mail to the Director.

(ii) Records required by this paragraph shall be provided upon request to authorized representatives of the Assistant Secretary or the Director; and upon request of an employee or former employee, to a physician designated by the employee or to a new employer.

(iii) Any physician who conducts a medical examination required by this paragraph shall furnish to the employer a statement of the employee's suitability for employment in the specific exposure.

§ 1910.93d alpha-Naphthylamine.

(a) *Scope and application.* (1) This section applies to any area in which alpha-Naphthylamine, Chemical Abstracts Service Registry Number 134327 is manufactured, processed, repackaged, released, handled, or stored, but shall not apply to transshipment in sealed containers, except for the labeling requirements under paragraphs (e)(2), (3), and (4) of this section.

(2) This section shall not apply to solid or liquid mixtures containing less than 1.0 percent by weight or volume of alpha-Naphthylamine.

(3) This section will not apply to operations involving the destructive distillation of carbonaceous materials, such as occurs in coke ovens.

(b) *Definitions.* For the purposes of this section: (1) "Absolute filter" is one capable of retaining 99.97 percent of a mono disperse aerosol of 0.3 μm particles.

(2) "Authorized employee" means an employee whose duties require him to be in the regulated area and who has been specifically assigned by the employer.

(3) "Clean change room" means a room where employees put on clean clothing and/or protective equipment in an environment free of alpha-Naphthylamine. The clean change room shall be contiguous to and have an entry from a shower room, when the shower room facilities are otherwise required in this section.

(4) "Closed system" means an operation involving alpha-Naphthylamine where containment prevents the release of alpha-Naphthylamine into regulated areas, nonregulated areas, or the external environment.

(5) "Decontamination" means the inactivation of alpha-Naphthylamine or its safe disposal.

(6) "Director" means the Director, National Institute for Occupational Safety and Health, or any person directed by him or the Secretary of Health, Education, and Welfare to act for the Director.

(7) "Disposal" means the safe removal of alpha-Naphthylamine from the work environment.

(8) "Emergency" means an unforseen circumstance or set of circumstances resulting in the release of alpha-Naphthylamine which may result in exposure to or contact with alpha-Naphthylamine.

(9) "External environment" means any environment external to regulated and nonregulated areas.

(10) "Isolated system" means a fully enclosed structure other than the vessel of containment of alpha-Naphthylamine, which is impervious to the passage of alpha-Naphthylamine, and which would prevent the entry of alpha-Naphthylamine into regulate areas, nonregulated areas, or the external environment, should leakage or spillage from the vessel of containment occur.

(11) "Laboratory type hood" is a device enclosed on three sides and the top and bottom, designed and maintained so as to draw air inward at an average linear face velocity of 150 feet per minute with a minimum of 125 feet per minute; designed, constructed, and maintained in such a way that an operation involving alpha-Naphthylamine within the hood does not require the insertion of any portion of any employees' body other than his hands and arms.

(12) "Nonregulated area" means any area under the control of the employer where entry and exit is neither restricted nor controlled.

(13) "Open-vessel system" means an operation involving alpha-Naphthylamine in an open vessel, which is not in an isolated system, a laboratory type hood, nor in any other system affording equivalent protection against the entry of alpha-Naphthylamine into regulated areas, nonregulated areas, or the external environment.

(14) "Protective clothing" means clothing designed to protect an employee against contact with or exposure to alpha-Naphthylamine.

(15) "Regulated area" means an area where entry and exit is restricted and controlled.

(c) *Requirements for areas containing alpha-Naphthylamine.* A regulated area shall be established by an employer where alpha-Naphthylamine is manufactured, processed, used, repackaged, released, handled or stored. All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved: (1) *Isolated systems.* Employees working with alpha-Naphthylamine within an isolated system, such as a "glove box" shall wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.

(2) *Closed system operation.* Within regulated areas where alpha-Naphthylamine is stored in sealed containers, or contained in a closed system, including piping systems, with any sample ports or openings closed while alpha-Naphthylamine is contained within: (i) Access shall be restricted to authorized employees only;

(ii) Employees shall be required to wash hands, forearms, face and neck upon each exit from the regulated areas, close to the point of exit and before engaging in other activities.

(3) *Open vessel system operations.* Open vessel system operations as defined in paragraph (b) (13) of this section are prohibited.

(4) *Transfer from a closed system, charging or discharging point operations, or otherwise opening a closed system.* In operations involving "laboratory type hoods," or in locations where alpha-Naphthylamine is contained in an otherwise "closed system," but is transferred, charged, or discharged into other normally closed containers, the provisions of this subparagraph shall apply. (i) Access shall be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), and shoe covers and gloves prior to entering a regulated area.

(iv) Employees engaged in alpha-Naphthylamine handling operations shall be provided with and required to wear and use a half-face, filter-type respirator for dusts, mists, and fumes, in accordance with § 1910.134. A respirator affording higher levels of protection may be substituted.

(v) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exist of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under paragraphs (e) (2), (3), and (4) of this section.

(vi) Employees shall be required to wash hands, forearms, face and neck on each exit from the regulated area, close to the point of exit, and before engaging in other activities.

(vii) Employees shall be required to shower after the last exit of the day.

(viii) Drinking fountains are prohibited in the regulated area.

(5) *Maintenance and decontamination activities.* In cleanup of leaks or spills, maintenance or repair operations on contaminated systems or equipment, or any operations involving work in an area where direct contact with alpha-Naphthylamine could result, each authorized employee entering that area shall:

(i) Be provided with and required to wear clean, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with § 1910.134.

(ii) Be decontaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(6) *Laboratory activities.* The requirements of this subparagraph shall apply to research and quality control activities involving the use of alpha-Naphthylamine. (i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surfaces on which alpha-Naphthylamine is handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious containers which are closed and decontaminated prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of alpha-Naphthylamine shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high-efficiency scrubbers or with disposable absolute filters.

(vii) Employees engaged in animal support activities shall be (*a*) provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls, or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory protective equipment or devices; and

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e) (2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities; and

(*d*) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be (*a*) provided with and required to wear a clean change of appropriate laboratory clothing, such as an solid front grown, surgical scrub suit, or fully buttoned laboratory coat.

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e) (2), (3), and (4) of this section.

(c) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where alpha-Naphthylamine is handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of alpha-Naphthylamine shall be maintained.

(xii) Ventilated apparatus such as laboratory type hoods, shall be tested at least semi-annually or immediately after ventilation modification or maintenance operations, by personnel fully qualified to certify correct containment and operation.

(d) *General regulated area requirements.*—(1) *Employee identification.* A daily roster of employees entering regulated areas shall be established and maintained. The rosters or a summary of the rosters, shall be retained for a period of 20 years. The rosters and/or summaries shall be provided upon request to authorized representatives of the Assistant Secretary and the Director. In the event that the employer ceases business without a successor, rosters shall be forwarded by registered mail to the Director.

(2) *Emergencies.* In an emergency, immediate measures including, but not limited to, the requirements of subdivisions (i), (ii), (iii), (iv), and (v) of this subparagraph shall be implemented. (i) The potentially affected area shall be evacuated as soon as the emergency has been determined.

(ii) Hazardous conditions created by the emergency shall be eliminated and the potentially affected areas shall be decontaminated prior to the resumption of normal operations.

(iii) Special medical surveillance by a physician shall be instituted within 24 hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with paragraph (f) (2) of this section.

(iv) Where an employee has a known contact with alpha-Naphthylamine, such employee shall be required to shower as soon as possible, unless contraindicated by physical injuries.

(v) An incident report on the emergency shall be reported as provided in paragraph (f) (2) of this section.

(3) *Hygiene facilities and practices.* (i) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(ii) Where employees are required by this section to wash, washing facilities shall be provided in accordance with § 1910.141(d) (1) and (2) (ii) through (vii).

(iii) Where employees are required by this section to shower, shower facilities shall be provided in accordance with § 1910.141(d) (3).

(iv) Where employees wear protective clothing and equipment clean change rooms shall be provided, in accordance with § 1910.141(e), for the number of such employees required to change clothes.

(v) Where toilets are in regulated areas, such toilets shall be in a separate room.

(4) *Contamination control.* (i) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas. Local exhaust ventilation may be used to satisfy this requirement. Clean make-up air in equal volume shall replace air removed.

(ii) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner that does not cause contamination in nonregulated areas or the external environment.

(iii) Decontamination procedures shall be established and implemented to remove alpha-Naphthylamine from the surfaces of materials, equipment and the decontamination facility.

(iv) Dry sweeping and dry mopping are prohibited.

(e) *Signs, information and training*—(1) *Signs.* (i) Entrances to regulated areas shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT
AUTHORIZED PERSONNEL ONLY

(ii) Entrances to regulated areas containing operations covered in paragraph (c) (5) of this section shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT EXPOSED IN THIS AREA IMPERVIOUS SUIT INCLUDING GLOVES, BOOTS, AND AIR-SUPPLIED HOOD REQUIRED AT ALL TIMES AUTHORIZED PERSONNEL ONLY

(iii) Appropriate signs and instructions shall be posted at the entrance to, and exit from, regulated areas, informing employees of the procedures that must be followed in entering and leaving a regulated area.

(2) *Container contents identification.* (i) Containers of alpha-Naphthylamine and containers required under paragraphs (c) (4) (v) and (c) (6) (vii) (*b*), and (c) (6) (viii) (*b*) of this section which are accessible only to, and handled only by, authorized employees, or by other employees trained in accordance with subparagraph (5) of this paragraph, may have contents identification limited to a generic or proprietary name, or other proprietary identification, of the carcinogen and percent.

(ii) Containers of alpha-Naphthylamine and containers required under paragraphs (c) (4) (v), (c) (6) (vii) (*b*), and (c) (6) (viii) (*b*) of this section which are accessible to, or handled by employees other than authorized employees or employees trained in accordance with subparagraph (5) of this paragraph shall have contents identification which includes the full chemical name and Chemical Abstracts Service Registry number as listed in paragraph (a) (1) of this section.

(iii) Containers shall have the warning words "CANCER-SUSPECT AGENT" displayed immediately under or adjacent to the contents identification.

(iv) Containers which have alpha-Naphthylamine contents with corrosive or irritating properties shall have label statements warning of such hazards, noting, if appropriate, particularly sensitive or affected portions of the body.

(3) *Lettering.* Lettering on signs and instructions required by subparagraph (1) of this paragraph shall be a minimum letter height of 2 inches. Labels on containers required under this section shall not be less than ½ the size of the largest lettering on the package, and not less than 8 point type in any instance: *Provided,* That no such required lettering need be more than 1 inch in height.

(4) *Prohibited statements.* No statement shall appear on or near any required sign, label, or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(5) *Training and indoctrination.* (i) Each employee prior to being authorized to enter a regulated area, shall receive a training and indoctrination program including, but not necessarily limited to: (*a*) The nature of the carcinogenic hazards of alpha-Naphthylamine, including local and systemic toxicity;

(*b*) The specific nature of the operation involving alpha-Naphthylamine which could result in exposure;

(*c*) The purpose for and application of the medical surveillance program, including, as appropriate, methods of self-examination;

(*d*) The purpose for and application of decontamination practices and purposes;

(*e*) The purpose for and significance of emergency practices and procedures;

(*f*) The employee's specific role in emergency procedures;

(*g*) Specific information to aid the employee in recognition and evaluation of conditions and situations which may result in the release of alpha-Naphthylamine;

(*h*) The purpose for and application of specific first aid procedures and practices;

(*i*) A review of this section at the employee's first training and indoctrination program and annually thereafter.

(ii) Specific emergency procedures shall be prescribed, and posted, and employees, shall be familiarized with their terms, and rehearsed in their application.

(iii) All materials relating to the program shall be provided upon request to authorized representatives of the Assistant Secretary and the Director.

(f) *Reports*—(1) *Operations.* Not later than March 1, 1974, the informaton required in subdivisions (i), (ii), (ii), and (iv) of this subparagraph shall be reported in writing to the nearest OSHA Area Director. Any changes in such information shall be similarly reported in writing within 15 calendar days of such change. (i) A brief description and in-plant location of the area(s) regulated and the address of each regulated area;

(ii) The name(s) and other identifying information as to the presence of alpha-Naphthylamine in each regulated area;

(iii) The number of employees in each regulated area, during normal operations including maintenance activities; and

(iv) The manner in which alpha-Naphthylamine is present in each regulated area; e.g. whether it is manufactured, processed, used, repackaged, released, stored, or otherwise handled.

(2) *Incidents.* Incidents which result in the release of alpha-Naphthylamine into any area where employees may be potentially exposed shall be reported in accordance with this subparagraph. (i) A report of the occurrence of the incident and the facts obtainable at that time including a report on any medical treatment of affected employees shall be made within 24 hours to the nearest OSHA Area Director.

(ii) A written report shall be filed with the nearest OSHA Area Director within 15 calendar days thereafter and shall include:

(*a*) A specification of the amount of material released, the amount of time involved, and an explanation of the procedure used in determining this figure;

(*b*) A description of the area involved, and the extent of known and possible employee exposure and area contamination, and

(*c*) A report of any medical treatment of affected employees, and any medical surveillance program implemented; and

(*d*) An analysis of the circumstances of the incident, and measures taken or to be taken, with specific completion dates, to avoid further similar releases.

(*g*) *Medical surveillance.* At no cost to the employee, a program of medical surveillance shall be established and implemented for employees considered for assignment to enter regulated areas, and for authorized employees. (1) *Examinations.* (i) Before an employee is assigned to enter a regulated area, a preassignment physical examination by a physican shall be provided. The examination shall include the personal history of the employee, family and occupational background, including genetic and environmental factors.

(ii) Authorized employees shall be provided periodic physical examinations, not less often than annually, following the preassignment examination.

(iii) In all physical examinations, the examining physician shall consider whether there exist conditions of increased risk, including reduced immunological competence, those undergoing treatment with steroids or cytotoxic agents, pregnancy and cigarette smoking.

(2) *Records.* (i) Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be maintained for the duration of the employee's employment. Upon termination of the employee's employment, including retirement or death, or in the event that the employer ceases business without a successor, records, or notarized true copies thereof, shall be forwarded by registered mail to the Director.

(ii) Records required by this paragraph shall be provided upon request to authorized representatives of the Assistant Secretary or the Director; and upon request of an employee or former employee, to a physician designated by the employee or to a new employer.

(iii) Any physician who conducts a medical examination required by this paragraph shall furnish to the employer a statement of the employee's suitability for employment in the specific exposure.

§ 1910.93e 4,4'-Methylene bis(2-chloroaniline).

(a) *Scope and application.* (1) This section applies to any area in which 4,4'-Methylene bis(2-chloroaniline), Chemical Abstracts Service Registry Number 101144 is manufactured, processed, repackaged, released, handled, or stored, but shall not apply to transshipment in sealed containers, except for the labeling requirements under paragraphs (e)(2), (3), and (4) of this section.

(2) This section shall not apply to solid or liquid mixtures containing less than 1.0 percent by weight or volume of 4,4'-Methylene bis(2-chloroaniline).

(b) *Definitions.* For the purposes of this section: (1) "Absolute filter" is one capable of retaining 99.97 percent of a mono disperse aerosol of 0.3 μm particles.

(2) "Authorized employee" means an employee whose duties require him to be in the regulated area and who has been specifically assigned by the employer.

(3) "Clean change room" means a room where employees put on clean clothing and/or protective equipment in an environment free of 4,4'-Methylene bis(2-chloroaniline). The clean change room shall be contiguous to and have an entry from a shower room, when the shower room facilities are otherwise required in this section.

(4) "Closed system" mean an operation involving 4,4'-Methylene bis(2-chloroaniline) where containment prevents the release of 4,4'-Methylene bis (2-chloroaniline) into regulated areas, nonregulated areas, or the external environment.

(5) "Decontamination" means the inactivation of 4,4'-Methylene bis(2-chloroaniline) or its safe disposal.

(6) "Director" means the Director, National Institute for Occupational Safety and Health, or any person directed by him or the Secretary of Health, Education, and Welfare to act for the Director.

(7) "Disposal" means the safe removal of 4,4'-Methylene bis(2-chloroaniline) from the work environment.

(8) "Emergency" means an unforseen circumstance or set of circumstances resulting in the release of 4,4'-Methylene bis(2-chloroaniline) which may result in exposure to or contact with 4,4'-Methylene bis(2-chloroaniline).

(9) "External environment" means any environment external to regulated and nonregulated areas.

(10) "Isolated system" means a fully enclosed structure other than the vessel of containment, of 4,4'-Methylene bis (2-chloroaniline), which is impervious to the passage of 4,4'-Methylene bis (2-chloroaniline), and which would prevent the entry of 4,4'-Methylene bis (2-chloroaniline) into regulated areas, nonregulated areas, or the external environment, should leakage or spillage from the vessel of containment occur.

(11) "Laboratory type hood" is a device enclosed on three sides and the top and bottom, designed and maintained so as to draw air inward at an average linear face velocity of 150 feet per minute with a minimum of 125 feet per minute; designed, constructed, and maintained in such a way that an operation involving 4,4'-Methylene bis(2-chloroaniline) within the hood does not require the insertion of any portion of any employees' body other than his hands and arms.

(12) "Nonregulated area" means any area under the control of the employer where entry and exit is neither restricted nor controlled.

(13) "Open-vessel system" means an operation involving 4,4'-Methylene bis (2-chloroaniline) in an open vessel, which is not in an isolated system, a laboratory type hood, nor in any other system affording equivalent protection against the entry of 4,4'-Methylene bis (2-chloroaniline) into regulated areas, nonregulated areas, or the external environment.

(14) "Protective clothing" means clothing designed to protect an employee against contact with or exposure to 4,4'-Methylene bis(2-chloroaniline).

(15) "Regulated area" means an area where entry and exit is restricted and controlled.

(c) *Requirements for areas containing 4,4'-Methylene bis(2-chloroaniline).* A regulated area shall be established by an employer where 4,4'-Methylene bis(2-chloroaniline) is manufactured, processed, used, repackaged, released, handled or stored. All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved: (1) *Isolated systems.* Employees working with 4,4'-Methylene bis(2-chloroaniline) within an isolated system, such as a "glove box" shall wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.

(2) *Closed system operation.* Within regulated areas where 4,4'-Methylene

bis(2-chloroaniline) is stored in sealed containers, or contained in a closed system, including piping systems, with any sample ports or openings closed while 4,4'-Methylene bis(2-chloroaniline is contained within: (i) Access shall be restricted to authorized employees only;

(ii) Employees shall be required to wash hands, forearms, face and neck upon each exit from the regulated areas, close to the point of exit and before engaging in other activities.

(3) *Open vessel system operations.* Open vessel system operations as defined in paragraph (b)(13) of this section are prohibited.

(4) *Transfer from a closed system, charging or discharging point operations, or otherwise opening a closed system.* In operations involving "laboratory type hoods," or in locations where 4,4'-Methylene bis(2-chloroaniline) is contained in an otherwise "closed system," but is transferred, charged, or discharged into other normally closed containers, the provisions of this subparagraph shall apply. (i) Access shall be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), shoe covers and gloves prior to entering the regulated area.

(iv) Employees engaged in 4,4'-Methylene bis(2-chloroaniline) handling operations shall be provided with and required to wear and use a half-face, filter-type respirator for dusts, mists, and fumes, in accordance with § 1910.134. A respirator affording higher levels of protection may be substituted.

(v) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under paragraphs (e)(2), (3), and (4) of this section.

(vi) Employees shall be required to wash hands, forearms, face and neck on each exit from the regulated area, close to the point of exit, and before engaging in other activities.

(vii) Employees shall be required to shower after the last exit of the day.

(viii) Drinking fountains are prohibited in the regulated area.

(5) *Maintenance and decontamination activities.* In cleanup of leaks or spills, maintenance or repair operations on contaminated systems or equipment, or any operations involving work in an area where direct contact with 4,4'-Methylene bis(2-chloroaniline) could result, each authorized employee entering that area shall: (i) Be provided with and required to wear clean, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with § 1910.134.

(ii) Be decontaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(6) *Laboratory activities.* The requirements of this subparagraph shall apply to research and quality control activities involving the use of 4,4'-Methylene bis (2-chloroaniline). (i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surfaces on which 4,4'-Methylene bis(2-chloroaniline) is handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious containers which are closed and decontaminated prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of 4,4'-Methylene bis(2-chloroaniline) shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high-efficiency scrubbers or with disposable absolute filters.

(vii) Employees engaged in animal support activities shall be (*a*) provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory protective equipment or devices; and

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities; and

(*d*) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be (*a*) provided with and required to wear a clean change of appropriate laboratory clothing, such as a solid front gown, surgical scrub suit, or fully buttoned laboratory coat.

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where 4,4'-Methylene bis(2-chloroaniline) is handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of 4,4'-Methylene bis(2-chloroaniline) shall be maintained.

(xii) Ventilated apparatus such as laboratory type hoods, shall be tested at least semi-annually or immediately after ventilation modification or maintenance operations, by personnel fully qualified to certify correct containment and operation.

(7) *Premixed solutions.* Where 4,4'-Methylene bis(2-chloroaniline) is present only in a single solution at a temperature not exceeding 120°F. the establishment of a regulated area is not required; however, (i) Only authorized employees shall be permitted to handle such materials,

(ii) Each day employees shall be provided with and required to wear a clean change of protective clothing (smocks, coveralls, or long-sleeved shirts and pants), gloves, and other protective garments and equipment necessary to prevent contact with the solution in the processed used;

(iii) Employees shall be required to remove and leave protective clothing and equipment when leaving the work area at the end of the work day, or at any time solution is spilled on such clothing or equipment. Used clothing and equipment shall be placed in impervious containers for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under paragraphs (e)(2), (3), and (4) of this section.

(iv) Employees shall be required to wash hands and face after removing such clothing and equipment and before engaging in other activities;

(v) Employees assigned to work covered by this subparagraph shall be deemed to be working in regulated areas for the purposes of paragraphs (d)(1), (2), (3)(i) and (ii), and (4)(iii) and (iv), (e), (f), and (g) of this section;

(vi) Work areas where solution may be spilled shall be (*a*) Covered daily or after any spill with a clean covering; or

(*b*) Clean thoroughly daily and after any spill.

(d) *General regulated area requirements*—(1) *Employee identification.* A daily roster of employees entering regulated areas shall be established and maintained. The rosters or a summary of the rosters, shall be retained for a period of 20 years. The rosters and/or summaries shall be provided upon request to authorized representatives of the Assistant Secretary and the Director. In the event that the employer ceases business without a successor, rosters shall be forwarded by registered mail to the Director.

(2) *Emergencies.* In an emergency, immediate measures including, but not limited to, the requirements of subdivisions (i), (ii), (iii), (iv), and (v) of this subparagraph shall be implemented. (i) The potentially affected area shall be evacuated as soon as the emergency has been determined.

(ii) Hazardous conditions created by the emergency shall be eliminated and the potentially affected area shall be decontaminated prior to the resumption of normal operations.

(iii) Special medical surveillance by a physician shall be instituted within 24 hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with paragraph (f)(2) of this section.

(iv) Where an employee has a known contact with 4,4'-Methylene bis(2-chloroaniline) such employee shall be required to shower as soon as possible, unless contraindicated by physical injuries.

(v) An incident report on the emergency shall be reported as provided in paragraph (f)(2) of this section.

(3) *Hygiene facilities and practices.* (i) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(ii) Where employees are required by this section to wash, washing facilities shall be provided in accordance with § 1910.141(d)(1) and (2)(ii) through (vii).

(iii) Where employees are required by this section to shower facilities shall be provided in accordance with § 1910.141(d)(3).

(iv) Where employees wear protective clothing and equipment clean change rooms shall be provided, in accordance with § 1910.141(e), for the number of such employees required to change clothes.

(v) Where toilets are in regulated areas, such toilets shall be in a separate room.

(4) *Contamination control.* (i) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas. Local exhaust ventilation may be used to satisfy this requirement. Clean makeup air in equal volume shall replace air removed.

(ii) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner that does not cause contamination in nonregulated areas or the external environment.

(iii) Decontamination procedures shall be established and implemented to remove 4,4'-Methylene bis(2-chloroaniline) from the surfaces of materials, equipment and the decontamination facility.

(iv) Dry sweeping and dry mopping are prohibited.

(e) *Signs, information and training*—(1) *Signs.* (i) Entrances to regulated areas shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT

AUTHORIZED PERSONNEL ONLY

(ii) Entrances to regulated areas containing operations covered in paragraph (c)(5) of this section shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT EXPOSED IN THIS AREA IMPERVIOUS SUIT INCLUDING GLOVES, BOOTS, AND AIR-SUPPLIED HOOD REQUIRED AT ALL TIMES AUTHORIZED PERSONNEL ONLY

(iii) Appropriate signs and instructions shall be posted at the entrance to, and exit from, regulated areas, informing employees of the procedures that must be followed in entering and leaving a regulated area.

(2) *Container contents identification.* (i) Containers of 4,4'-Methylene bis(2-chloroaniline) and containers required under paragraphs (c)(4)(v) and (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) and (c)(7)(iii) of this section which are accessible only to, and handled only by, authorized employees, or by other employees trained in accordance with subparagraph (5) of this paragraph, may have contents identification limited to a generic or proprietary name, or other proprietary identification, of the carcinogen and percent.

(ii) Containers of 4,4'-Methylene bis(2-chloroaniline) and containers required under paragraphs (c)(4)(v), (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) and (c)(7)(iii) of this section which are accessible to, or handled by employees other than authorized employees or employees trained in accordance with subparagraph 5 of this paragraph shall have contents identification which includes the full chemical name and Chemical Abstracts Service Registry number as listed in paragraph (a)(1) of this section.

(iii) Containers shall have the warning words "CANCER-SUSPECT AGENT" displayed immediately under or adjacent to the contents identification.

(iv) Containers which have 4,4'-Methylene bis(2-chloroaniline) contents with corrosive or irritating properties shall have label statements warning of such hazards, noting, if appropriate, particularly sensitive or affected portions of the body.

(3) *Lettering.* Lettering on signs and instructions required by subparagraph (1) of this paragraph shall be a minimum letter height of 2 inches. Labels on containers required under this section shall not be less than ½ the size of the largest lettering on the package, and not less than 8 point type in any instance; provided that no such required lettering need be more than 1 inch in height.

(4) *Prohibited statements.* No statement shall appear on or near any required sign, label, or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(5) *Training and indoctrination.* (i) Each employee prior to being authorized to enter a regulated area, shall receive a training and indoctrination program including, but not necessarily limited to: (*a*) The nature of the carcinogenic hazards of 4,4'-Methylene bis(2-chloroaniline), including local and systemic toxicity;

(*b*) The specific nature of the operation involving 4,4'-Methylene bis(2-chloroaniline) which could result in exposure;

(*c*) The purpose for and application of the medical surveillance program, including, as appropriate, methods of self-examination;

(*d*) The purpose for and application of decontamination practices and purposes;

(*e*) The purpose for and significance of emergency practices and procedures;

(*f*) The employee's specific role in emergency procedures;

(*g*) Specific information to aid the employee in recognition and evaluation of conditions and situations which may result in the release of 4,4'-Methylene bis(2-chloroaniline);

(*h*) The purpose for and application of specific first aid procedures and practices;

(*i*) A review of this section at the employee's first training and indoctrination program and annually thereafter.

(ii) Specific emergency procedures shall be prescribed, and posted, and employees, shall be familiarized with their terms, and rehearsed in their application.

(iii) All materials relating to the program shall be provided upon request to authorized representatives of the Assistant Secretary and the Director.

(f) *Reports*—(1) *Operations.* Not later than March 1, 1974, the information required in subdivisions (i), (ii), (iii), and (iv) of this subparagraph shall be reported in writing to the nearest OSHA Area Director. Any changes in such information shall be similarly reported in writing within 15 calendar days of such change. (i) A brief description and in-plant location of the area(s) regulated and the address of each regulated area;

(ii) The name(s) and other identifying information as to the presence of 4,4'-Methylene bis(2-chloroaniline) in each regulated area;

(iii) The number of employees in each regulated area, during normal operations including maintenance activities; and

(iv) The manner in which 4,4'-Methylene bis(2-chloroaniline) is present in each regulated area; e.g. whether it is manufactured, processed, used, repackaged, released, stored, or otherwise handled.

(2) *Incidents.* Incidents which result in the release of 4,4'-Methylene bis(2-chloroaniline) into any area where employees may be potentially exposed shall be reported in accordance with this subparagraph. (i) A report of the occurrence of the incident and the facts obtainable at that time including a report on any medical treatment of affected employees shall be made within 24 hours to the nearest OSHA Area Director.

(ii) A written report shall be filed with the nearest OSHA Area Director within 15 calendar days thereafter and shall include: (a) A specification of the amount of material released, the amount of time involved, and an explanation of the procedure used in determining this figure;

(b) A description of the area involved, and the extent of known and possible employee exposure and area contamination, and

(c) A report of any medical treatment of affected employees and any medical surveillance program implemented; and

(d) An analysis of the circumstances of the incident, and measures taken or to be taken, with specific completion dates, to avoid further similar releases.

(g) *Medical surveillance.* At no cost to the employee, a program of medical surveillance shall be established and implemented for employees considered for assignment to enter regulated areas, and for authorized employees. (1) *Examinations.* (i) Before an employee is assigned to enter a regulated area, a preassignment physical examination by a physician shall be provided. The examination shall include the personal history of the employee, family and occupational background, including genetic and environmental factors.

(ii) Authorized employees shall be provided periodic physical examinations, not less often than annually, following the preassignment examination.

(iii) In all physical examinations, the examining physician shall consider whether there exist conditions of increased risk, including reduced immunological competence, those undergoing treatment with steroids or cytotoxic agents, pregnancy and cigarette smoking.

(2) *Records.* (i) Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be maintained for the duration of the employee's employment. Upon termination of the employee's employment, including retirement or death, or in the event that the employer ceases business without a successor, records, or notarized true copies thereof, shall be forwarded by registered mail to the Director.

(ii) Records required by this paragraph shall be provided upon request to authorized representatives of the Assistant Secretary or the Director; and upon request of an employee or former employee, to a physician designated by the employee or to a new employer.

(iii) Any physician who conducts a medical examination required by this paragraph shall furnish to the employer a statement of the employee's suitability for employment in the specific exposure.

§ 1910.93f Methyl chloromethyl ether.

(a) *Scope and application.* (1) This section applies to any area in which methyl chloromethyl ether, Chemical Abstracts Service Registry Number 107302 is manufactured, processed, repackaged, released, handled, or stored, but shall not apply to transshipment in sealed containers, except for the labeling requirements under paragraphs (e)(2), (3), and (4) of this section.

(2) This section shall not apply to solid or liquid mixtures containing less than 0.1 percent by weight or volume of methyl chloromethyl ether.

(b) *Definitions.* For the purposes of this section: (1) "Absolute filter" is one capable of retaining 99.97 percent of a mono disperse aerosol of 0.3 μm particles.

(2) "Authorized employee" means an employee whose duties require him to be in the regulated area and who has been specifically assigned by the employer.

(3) "Clean change room" means a room where employees put on clean clothing and/or protective equipment in an environment free of methyl chloromethyl ether. The clean change room shall be contiguous to and have an entry from a shower room, when the shower room facilities are otherwise required in this section.

(4) "Closed system" means an operation involving methyl chloromethyl ether where containment prevents the release of methyl chloromethyl ether into regulated areas, nonregulated areas, or the external environment.

(5) "Decontamination" means the inactivation of methyl chloromethyl ether or its safe disposal.

(6) "Director" means the Director, National Institute for Occupational Safety and Health, or any person directed by him or the Secretary of Health, Education, and Welfare to act for the Director.

(7) "Disposal" means the safe removal of methyl chloromethyl ether from the work environment.

(8) "Emergency" means an unforseen circumstance or set of circumstances resulting in the release of methyl chloromethyl ether which may result in exposure to or contact with methyl chloromethyl ether.

(9) "External environment" means any environment external to regulated and nonregulated areas.

(10) "Isolated system" means a fully enclosed structure other than the vessel of containment of methyl chloromethyl ether, which is impervious to the passage of methyl chloromethyl ether, and which would prevent the entry of methyl chloromethyl ether into regulated areas, nonregulated areas, or the external environment, should leakage or spillage from the vessel of containment occur.

(11) "Laboratory type hood" is a device enclosed on three sides and the top and bottom, designed and maintained so as to draw air inward at an average linear face velocity of 150 feet per minute with a minimum of 125 feet per minute; designed, constructed, and maintained in such a way that an operation involving methyl chloromethyl ether within the hood does not require the insertion of any portion of any employees' body other than his hands and arms.

(12) "Nonregulated area" means any area under the control of the employer where entry and exit is neither restricted nor controlled.

(13) "Open-vessel system" means an operation involving methyl chloromethyl ether in an open vessel, which is not in an isolated system, a laboratory type hood, nor in any other system affording equivalent protection against the entry of methyl chloromethyl ether into regulated areas, nonregulated areas, or the external environment.

(14) "Protective clothing" means clothing designed to protect an employee against contact with or exposure to methyl chloromethyl ether.

(15) "Regulated area" means an area where entry and exit is restricted and controlled.

(c) *Requirements for areas containing methyl chloromethyl ether.* A regulated area shall be established by an employer where methyl chloromethyl ether is manufactured, processed, used, repackaged, released, handled or stored. All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved: (1) *Isolated systems.* Employees working with methyl chloromethyl ether within an isolated system, such as a "glove box" shall wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.

(2) *Closed system operation.* Within regulated areas where methyl chloromethyl ether is stored in sealed containers, or contained in a closed system, including piping systems, with any sample ports or openings closed while methyl chloromethyl ether is contained within. Access shall be restricted to authorized employees only;

(3) *Open vessel system operations.* Open vessel system operations as defined in paragraph (b)(13) of this section are prohibited.

(4) *Transfer from a closed system, charging or discharging point operations, or otherwise opening a closed system.* In operations involving "laboratory type hoods," or in locations where methyl chloromethyl ether is contained in an otherwise "closed system," but is transferred, charged, or discharged into other

normally closed containers, the provisions of this subparagraph shall apply. (i) Access shall be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), and gloves prior to entering the regulated area.

(iv) Employees engaged in methyl chloromethyl ether handling operations shall be provided with and required to wear and use a full-face, supplied air respirator, of the continuous flow or pressure-demand type, in accordance with § 1910.134.

(v) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under paragraphs (e)(2), (3), and (4) of this section.

(vi) Drinking fountains are prohibited in the regulated area.

(5) *Maintenance and decontamination activities.* In cleanup of leaks or spills, maintenance or repair operations on contaminated systems or equipment, or any operations involving work in an area where direct contact with methyl chloromethyl ether could result, each authorized employee entering that area shall: (i) Be provided with and required to wear clean, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with § 1910.134.

(ii) Be decontaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(6) *Laboratory activities.* The requirements of this subparagraph shall apply to research and quality control activities involving the use of methyl chloromethyl ether. (i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surfaces on which methyl chloromethyl ether is handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious containers which are closed and decontaminated prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of methyl chloromethyl ether shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high-efficiency scrubbers.

(vii) Employees engaged in animal support activities shall be (*a*) provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory protective equipment or devices; and

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be (*a*) provided with and required to wear a clean change of appropriate laboratory clothing, such as a solid front gown, surgical scrub suit, or fully buttoned laboratory coat.

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where methyl chloromethyl ether is handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of methyl chloromethyl ether shall be maintained.

(xii) Ventilated apparatus such as laboratory type hoods, shall be tested at least semi-annually or immediately after ventilation modification or maintenance operations, by personnel fully qualified to certify correct containment and operation.

(d) *General regulated area requirements.*—(1) *Employee identification.* A daily roster of employees entering regulated areas shall be established and maintained. The rosters or a summary of the rosters, shall be retained for a period of 20 years. The rosters and/or summaries shall be provided upon request to authorized representatives of the Assistant Secretary and the Director. In the event that the employer ceases business without a successor, rosters shall be forwarded by registered mail to the Director.

(2) *Emergencies.* In an emergency, immediate measures including, but not limited to, the requirements of subdivisions (i), (ii), (iii), (iv), and (v) of this subparagraph shall be implemented. (i) The potentially affected area shall be evacuated as soon as the emergency has been determined.

(ii) Hazardous conditions created by the emergency shall be eliminated and the potentially affected area shall be decontaminated prior to the resumption of normal operations.

(iii) Special medical surveillance by a physician shall be instituted within 24 hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with paragraph (f)(2) of this section.

(iv) Where an employee has a known contact with methyl chloromethyl ether, such employee shall be required to shower as soon as possible, unless contraindicated by physical injuries.

(v) An incident report on the emergency shall be reported as provided in paragraph (f)(2) of this section.

(3) *Hygiene facilities and practices.* (i) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(ii) Where employees wear protective clothing and equipment clean change rooms shall be provided, in accordance with § 1910.141(e), for the number of such employees required to change clothes.

(iii) Where toilets are in regulated areas, such toilets shall be in a separate room.

(iv) Where employees are required by this section to shower, shower facilities shall be provided in accordance with § 1910.141(d) (1) and (2) (ii) through (vii).

(v) Where employees are required by this section to showed, showed facilities shall be provided in accordance with § 1910.141(d)(3).

(4) *Contamination control.* (i) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas. Local exhaust ventilation may be used to satisfy this requirement. Clean makeup air in equal volume shall replace air removed.

(ii) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner

that does not cause contamination in nonregulated areas or the external environment.

(iii) Decontamination procedures shall be established and implemented to remove methyl chloromethyl ether from the surfaces of materials, equipment and the decontamination facility.

(e) *Signs, information and training*—(1) *Signs.* (i) Entrances to regulated areas shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT
AUTHORIZED PERSONNEL ONLY

(ii) Entrances to regulated areas containing operations covered in paragraph (c)(5) of this section shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT EXPOSED IN THIS AREA IMPERVIOUS SUIT INCLUDING GLOVES, BOOTS, AND AIR-SUPPLIED HOOD REQUIRED AT ALL TIMES AUTHORIZED PERSONNEL ONLY

(iii) Appropriate signs and instructions shall be posted at the entrance to, and exit from, regulated areas, informing employees of the procedures that must be followed in entering and leaving a regulated area.

(2) *Container contents identification.* (i) Containers of methyl chloromethyl ether and containers required under paragraphs (c)(4)(v) and (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible only to, and handled only by, authorized employees, or by other employees trained in accordance with subparagaph (5) of this paragraph, may have contents identification limited to a generic or proprietary name, or other proprietary identification, of the carcinogen and percent.

(ii) Containers of methyl chloromethyl ether and containers required under paragraphs (c)(4)(v), (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible to, or handled by employees other than authorized employees or employees trained in accordance with subparagraph (5) of this paragraph shall have contents identification which includes the full chemical name and Chemical Abstracts Service Registry number as listed in paragraph (a)(1) of this section.

(iii) Containers shall have the warning words "CANCER-SUSPECT AGENT" displayed immediately under or adjacent to the contents identification.

(iv) Containers which have methyl chloromethyl ether contents with corrosive or irritating properties shall have label statements warning of such hazards, noting, if appropriate, particularly sensitive or affected portions of the body.

(3) *Lettering.* Lettering on signs and instructions required by subparagraph (1) of this paragraph shall be a minimum letter height of 2 inches. Labels on containers required under this section shall not be less than ½ the size of the largest lettering on the package, and not less than 8 point type in any instance: *Provided,* That no such required lettering need be more than 1 inch in height.

(4) *Prohibited statements.* No statement shall appear on or near any required sign, label, or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(5) *Training and indoctrination.* (i) Each employee prior to being authorized to enter a regulated area, shall receive a training and indoctrination program including, but not necessarily limited to: (*a*) The nature of the carcinogenic hazards of methyl chloromethyl ether, including local and systemic toxicity;

(*b*) The specific nature of the operation involving methyl chloromethyl ether which could result in exposure;

(*c*) The purpose for and application of the medical surveillance program, including, as appropriate, methods of self-examination;

(*d*) The purpose for and application of decontamination practices and purposes;

(*e*) The purpose for and significance of emergency practices and procedures;

(*f*) The employee's specific role in emergency procedures;

(*g*) Specific information to aid the employee in recognition and evaluation of conditions and situations which may result in the release of methyl chloromethyl ether;

(*h*) The purpose for and application of specific first aid procedures and practices;

(*i*) A review of this section at the employee's first training and indoctrination program and annually thereafter.

(ii) Specific emergency procedures shall be prescribed, and posted, and employees, shall be familiarized with their terms, and rehearsed in their application.

(iii) All materials relating to the program shall be provided upon request to authorized representatives of the Assistant Secretary and the Director.

(f) *Reports*—(1) *Operations.* Not later than March 1, 1974, the information required in subdivisions (i), (ii), (iii), and (iv) of this subparagraph shall be reported in writing to the nearest OSHA Area Director. Any changes in such information shall be similarly reported in writing within 15 calendar days of such change. (i) A brief description and in-plant location of the area(s) regulated and the address of each regulated area;

(ii) The name(s) and other identifying information as to the presence of methyl chloromethyl ether in each regulated area;

(iii) The number of employees in each regulated area, during normal operations including maintenance activities and

(iv) The manner in which methyl chloromethyl ether is present in each regulated area; e.g. whether it is manufactured, processed, used, repackaged, released, stored, or otherwise handled.

(2) *Incidents.* Incidents which result in the release of methyl chloromethyl ether into any area where employees may be potentially exposed shall be reported in accordance with this subparagraph.

(i) A report of the occurrence of the incident and the facts obtainable at that time including a report on any medical treatment of affected employees shall be made within 24 hours to the nearest OSHA Area Director.

(ii) A written report shall be filed with the nearest OSHA Area Director within 15 calendar days thereafter and shall include: (*a*) A specification of the amount of material released, the amount of time involved, and an explanation of the procedure used in determining this figure;

(*b*) A description of the area involved, and the extent of known and possible employee exposure and area contamination, and

(*c*) A report of any medical treatment of affected employees, and any medical surveillance program implemented; and

(*d*) An analysis of the circumstances of the incident, and measures taken or to be taken, with specific completion dates, to avoid further similar releases.

(g) *Medical surveillance.* At no cost to the employee, a program of medical surveillance shall be established and implemented for employees considered for assignment to enter regulated areas, and for authorized employees. (1) *Examinations.* (i) Before an employee is assigned to enter a regulated area, a preassignment physical examination by a physician shall be provided. The examination shall include the personal history of the employee, family and occupational background, including genetic and environmental factors.

(ii) Authorized employees shall be provided periodic physical examinations, not less often than annually, following the preassignment examination.

(iii) In all physical examinations, the examining physician shall consider whether there exist conditions of increased risk, including reduced immunological competence, those undergoing treatment with steroids or cytotoxic agents, pregnancy and cigarette smoking.

(2) *Records.* (i) Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be maintained for the duration of the employee's employment. Upon termination of the employee's employment, including retirement or death, or in the event that the employer ceases business without a successor, records, or notarized true copies thereof, shall be forwarded by registered mail to the Director.

(ii) Records required by this paragraph shall be provided upon request to authorized representatives of the Assistant Secretary or the Director; and upon request of an employee or former employee, to a physician designated by the employee or to a new employer.

(iii) Any physician who conducts a medical examination required by this paragraph shall furnish to the employer a statement of the employee's suitability for employment in the specific exposure.

§ 1910.93g 3,3'-Dichlorobenzidine (and its salts).

(a) *Scope and application.* (1) This section applies to any area in which 3,3'-Dichlorobenzidine (or its salts), Chemical Abstracts Service Registry Number 91941 is manufactured, processed, repackaged, released, handled, or stored, but shall not apply to transshipment in sealed containers except for the labeling requirements under paragraphs (e)(2), (3), and (4) of this section.

(2) This section shall not apply to solid or liquid mixtures containing less than 1 percent by weight or volume of 3,3'-Dichlorobenzidine (or its salts).

(b) *Definitions.* For the purposes of this section: (1) "Absolute filter" is one capable of retaining 99.97 percent of a mono disperse aerosol of 0.3 μm particles.

(2) "Authorized employee" means an employee whose duties require him to be in the regulated area and who has been specifically assigned by the employer.

(3) "Clean change room" means a room where employees put on clean clothing and/or protective equipment in an environment free of 3,3'-Dichlorobenzidine (or its salts). The clean change room shall be contiguous to and have an entry from a shower room, when the shower room facilities are otherwise required in this section.

(4) "Closed system" means an operation involving 3,3'-Dichlorobenzidine (or its salts) where containment prevents the release of 3,3'-Dichlorobenzidine (or its salts) into regulated areas, nonregulated areas, or the external environment.

(5) "Decontamination" means the inactivation of 3,3'-Dichlorobenzidine or its safe disposal.

(6) "Director" means the Director, National Institute for Occupational Safety and Health, or any person directed by him or the Secretary of Health, Education, and Welfare to act for the Director.

(7) "Disposal" means the safe removal of 3,3'-Dichlorobenzidine (or its salts) from the work environment.

(8) "Emergency" means an unforeseen circumstance or set of circumstances resulting in the release of 3,3'-Dichlorobenzidine (or its salts) which may result in exposure to or contact with 3,3'-Dichlorobenzidine (or its salts).

(9) "External environment" means any environment external to regulated and nonregulated areas.

(10) "Isolated system" means a fully enclosed structure other than the vessel of containment, of 3,3'-Dichlorobenzidine (or its salts), which is impervious to the passage of 3,3'-Dichlorobenzidine (or its salts) and which would prevent the entry of 3,3'-Dichlorobenzidine (or its salts) into regulated areas, nonregulated areas, or the external environment, should leakage or spillage from the vessel of containment occur.

(11) "Laboratory type hood" is a device enclosed on three sides and the top and bottom, designed and maintained so as to draw air inward at an average linear face velocity of 150 feet per minute with a minimum of 125 feet per minute; designed, constructed, and maintained in such a way that an operation involving 3,3'-Dichlorobenzidine (or its salts) within the hood does not require the insertion of any portion of any employees' body other than his hands and arms.

(12) "Nonregulated area" means any area under the control of the employer where entry and exit is neither restricted nor controlled.

(13) "Open-vessel system" means an operation involving 3,3'-Dichlorobenzidine (or its salts) in an open vessel, which is not in an isolated system, a laboratory type hood, nor in any other system affording equivalent protection against the entry of 3,3'-Dichlorobenzidine (or its salts) into regulated areas, nonregulated areas, or the external environment.

(14) "Protective clothing" means clothing designed to protect an employee against contact with or exposure to 3,3'-Dichlorobenzidine (or its salts).

(15) "Regulated area" means an area where entry and exit is restricted and controlled.

(c) *Requirements for areas containing 3,3'-Dichlorobenzidine (or its salts).* A regulated area shall be established by an employer where 3,3'-Dichlorobenzidine (or its salts) is manufactured, processed, used, repackaged, released, handled or stored. All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved: (1) *Isolated systems.* Employees working with 3,3'-Dichlorobenzidine (or its salts) within an isolated system, such as a "glove box" shall wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.

(2) *Closed system operation.* Within regulated areas where 3,3'-Dichlorobenzidine (or its salts) is stored in sealed containers, or contained in a closed system, including piping systems, with any sample ports or openings closed while 3,3'-Dichlorobenzidine (or its salts) is contained within: (i) Access shall be restricted to authorized employees only;

(ii) Employees shall be required to wash hands, forearms, face and neck upon each exit from the regulated areas, close to the point of exit and before engaging in other activities.

(3) *Open vessel system operations.* Open vessel system operations as defined in paragraph (b)(13) of this section are prohibited.

(4) *Transfer from a closed system, charging or discharging point operations, or otherwise opening a closed system.* In operations involving "laboratory type hoods," or in locations where 3,3'-Dichlorobenzidine (or its salts) is contained in an otherwise "closed system," but is transferred, charged, or discharged into other normally closed containers, the provisions of this subparagraph shall apply. (i) Access shall be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), shoe covers and gloves prior to entering the regulated area.

(iv) Employees engaged in 3,3'-Dichlorobenzidine (or its salts) handling operations shall be provided with and required to wear and use a half-face, filter-type respirator for dusts, mists, and fumes, in accordance with § 1910.134. A respirator affording higher levels of protection may be substituted.

(v) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under paragraphs (e)(2), (3), and (4) of this section.

(vi) Employees shall be required to wash hands, forearms, face and neck on each exit from the regulated area, close to the point of exit, and before engaging in other activities.

(vii) Employees shall be required to shower after the last exit of the day.

(viii) Drinking fountains are prohibited in the regulated area.

(5) *Maintenance and decontamination activities.* In cleanup of leaks or spills, maintenance or repair operations on contaminated systems or equipment, or any operations involving work in an area where direct contact with 3,3'-Dichlorobenzidine (or its salts) could result, each authorized employee entering that area shall: (i) Be provided with and required to wear clean, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with § 1910.134.

(ii) Be decontaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(6) *Laboratory activities.* The requirements of this subparagraph shall apply to research and quality control activities involving the use of 3,3'-Dichlorobenzidine (or its salts). (i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surfaces on which 3,3'-Dichlorobenzidine (or its salts) is handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious

containers which are closed and decontaminated prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of 3,3'-Dichlorobenzidine (or its salts) shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high-efficiency scrubbers or with disposable absolute filters.

(vii) Employees engaged in animal support activities shall be (*a*) provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory protective equipment or devices; and

(*b*) Prior to each exist from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities; and

(*d*) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be (*a*) provided with and required to wear a clean change of appropriate laboratory clothing, such as a solid front gown, surgical scrub suit, or fully buttoned laboratory coat.

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where 3,3'-Dichlorobenzidine (or its salts) is handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of 3,3'-Dichlorobenzidine (or its salts) shall be maintained.

(xii) Ventilated apparatus such as laboratory type hoods, shall be tested at least semi-annually or immediately after ventilation modification or maintenance operations, by personnel fully qualified to certify correct containment and operation.

(d) *General regulated area requirements*—(1) *Employee identification.* A daily roster of employees entering regulated areas shall be established and maintained. The rosters or a summary of the rosters, shall be retained for a period of 20 years. The rosters and/or summaries shall be provided upon request to authorized representatives of the Assistant Secretary and the Director. In the event that the employer ceases busines without a successor, rosters shall be forwarded by registered mail to the Director.

(2) *Emergencies.* In an emergency, immediate measures including, but not limited to, the requirements of subdivisions (i), (ii), (iii), (iv), and (v) of this subparagraph shall be implemented. (i) The potentially affected area shall be evacuated as soon as the emergency has been determined.

(ii) Hazardous conditions created by the emergency shall be eliminated and the potentially affected area shall be decontaminated prior to the resumption of normal operations.

(iii) Special medical surveillance by a physician shall be instituted within 24 hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with paragraph (f)(2) of this section.

(iv) Where an employee has a known contact with 3,3'-Dichlorobenzidine (or its salts), such employee shall be required to shower as soon as possible, unless contraindicated by physical injuries.

(v) An incident report on the emergency shall be reported as provided in paragraph (f)(2) of this section.

(3) *Hygiene facilities and practices.* (i) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(ii) Where employees are required by this section to wash, washing facilities shall be provided in accordance with § 1910.141(d)(1) and (2)(ii) through (vii).

(iii) Where employees are required by this section to shower, shower facilities shall be provided in accordance with § 1910.141(d)(3).

(iv) Where employees wear protective clothing and equipment clean change rooms shall be provided, in accordance with § 1910.141(e), for the number of such employees required to change clothes.

(v) Where toilets are in regulated areas, such toilets shall be in a separate room.

(4) *Contamination control.* (i) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas. Local exhaust ventilation may be used to satisfy this requirement. Clean make-up air in equal volume shall replace air removed.

(ii) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner that does not cause contamination in nonregulated areas or the external environment.

(iii) Decontamination procedures shall be established and implemented to remove 3,3'-Dichlorobenzidine (or its salts) from the surfaces of materials, equipment and the decontamination facility.

(iv) Dry sweeping and dry mopping are prohibited.

(e) *Signs, information and training.*—(1) *Signs.* (i) Entrances to regulated areas shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT

AUTHORIZED PERSONNEL ONLY

(ii) Entrances to regulated areas containing operations covered in paragraph (c)(5) of this section shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT EXPOSED IN THIS AREA IMPERVIOUS SUIT INCLUDING GLOVES, BOOTS, AND AIR-SUPPLIED HOOD REQUIRED AT ALL TIMES AUTHORIZED PERSONNEL ONLY

(iii) Appropriate signs and instructions shall be posted at the entrance to, and exit from, regulated areas, informing employees of the procedures that must be followed in entering and leaving a regulated area.

(2) *Container contents identification.* (i) Containers of 3,3'-Dichlorobenzidine (or its salts) and containers required under paragraphs (c)(4)(v) and (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible only to, and handled only by, authorized employees, or by other employees trained in accordance with subparagraph (5) of this paragraph, may have contents identification limited to a generic or proprietary name, or other proprietary identification, of the carcinogen and percent.

(ii) Containers of 3,3'-Dichlorobenzidine (or its salts) and containers required under paragraphs (c)(4)(v), (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible to, or handled by employees other than authorized employees or employees trained in accordance with subparagraph (5) of this paragraph shall have contents identification which includes the full chemical name and Chemical Abstracts Service Registry number as listed in paragraph (a)(1) of this section.

(iii) Containers shall have the warning words "CANCER-SUSPECT AGENT" displayed immediately under or adjacent to the contents identification.

(iv) Containers which have 3,3'-Dichlorobenzidine (or its salts) contents

with corrosive or irritating properties shall have label statements warning of such hazards, noting, if appropriate, particularly sensitive or affected portions of the body.

(3) *Lettering.* Lettering on signs and instructions required by subparagraph (1) of this paragraph shall be a minimum letter height of 2 inches. Labels on containers required under this section shall not be less than ½ the size of the largest lettering on the package, and not less than 8 point type in any instance: *Provided,* That no such required lettering need be more than 1 inch in height.

(4) *Prohibited statements.* No statement shall appear on or near any required sign, label, or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(5) *Training and indoctrination.* (i) Each employee prior to being authorized to enter a regulated area, shall receive a training and indoctrination program including, but not necessarily limited to: (*a*) The nature of the carcinogenic hazards of 3.3'-Dichlorobenzidene (or its salts), including local and systemic toxicity;

(*b*) The specific nature of the operation involving 3,3'-Dichlorobenzidine (or its salts) which could result in exposure;

(*c*) The purpose for and application of the medical surveillance program, including, as appropriate, methods of self-examination;

(*d*) The purpose for and application of decontamination practices and purposes;

(*e*) The purpose for and significance of emergency practices and procedures;

(*f*) The employee's specific role in emergency procedures;

(*g*) Specific information to aid the employee in recognition and evaluation of conditions and situations which may result in the release of 3,3'-Dichlorobenzidine (or its salts);

(*h*) The purpose for and application of specific first aid procedures and practices;

(*i*) A review of this section at the employee's first training and indoctrination program and annually thereafter.

(ii) Specific emergency procedures shall be prescribed, and posted, and employees, shall be familiarized with their terms, and rehearsed in their application.

(iii) All materials relating to the program shall be provided upon request to authorized representatives of the Assistant Secretary and the Director.

(f) *Reports*—(1) *Operations.* Not later than March 1, 1974, the information required in subdivisions (i), (ii), (iii), and (iv) of this subparagraph shall be reported in writing to the nearest OSHA Area Director. Any changes in such information shall be similarly reported in writing within 15 calendar days of such change. (i) A brief description and in-plant location of the area(s) regulated and the address of each regulated area;

(ii) The name(s) and other identifying information as to the presence of 3,3'-Dichlorobenzidine (or its salts) in each regulated area;

(iii) The number of employees in each regulated area, during normal operations including maintenance activities and

(iv) The manner in which 3,3'-Dichlorobenzidine (or its salts) is present in each regulated area; e.g. whether it is manufactured, processed, used, repackaged, released, stored, or otherwise handled.

(2) *Incidents.* Incidents which result in the release of 3,3'-Dichlorobenzidine (or its salts) into any area where employees may be potentially exposed shall be reported in accordance with this subparagraph. (i) A report of the occurrence of the incident and the facts obtainable at that time including a report on any medical treatment of affected employees shall be made within 24 hours to the nearest OSHA Area Director.

(ii) A written report shall be filed with the nearest OSHA Area Director within 15 calendar days thereafter and shall include: (*a*) A specification of the amount of material released, the amount of time involved, and an explanation of the procedure used in determining this figure;

(*b*) A description of the area involved, and the extent of known and possible employee exposure and area contamination, and

(*c*) A report of any medical treatment of affected employees, and any medical surveillance program implemented; and

(*d*) An analysis of the circumstances of the incident, and measures taken or to be taken, with specific completion dates, to avoid further similar releases.

(g) *Medical surveillance.* At no cost to the employee, a program of medical surveillance shall be established and implemented for employees considered for assignment to enter regulated areas, and for authorized employees.

(1) *Examinations.* (i) Before an employee is assigned to enter a regulated area, a preassignment physical examination by a physician shall be provided. The examination shall include the personal history of the employee, family and occupational background, including genetic and environmental factors.

(ii) Authorized employees shall be provided periodic physical examinations, not less often than annually, following the preassignment examination.

(iii) In all physical examinations, the examining physician shall consider whether there exist conditions of increased risk, including reduced immunological competence, those undergoing treatment with steroids of cytotoxic agents, pregnancy and cigarette smoking.

(2) *Records.* (i) Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be maintained for the duration of the employee's employment. Upon termination of the employee's employment, including retirement or death, or in the event that the employer ceases business without a successor, records, or notarized true copies thereof, shall be forwarded by registered mail to the Director.

(ii) Records required by this paragraph shall be provided upon request to authorized representatives of the Assistant Secretary or the Director; and upon request of an employee or former employee, to a physician designated by the employee or to a new employer.

(iii) Any physician who conducts a medical examination required by this paragraph shall furnish to the employer a statement of the employee's suitability for employment in the specific exposure.

§ 1910.93h bis-Chloromethyl ether.

(a) *Scope and application.* (1) This section applies to any area in which bis-Chloromethyl ether, Chemical Abstracts Service Registry Number 542881 is manufactured, processed, repackaged, released, handled, or stored, but shall not apply to transshipment in sealed containers, except for the labeling requirements under paragraphs (e)(2), (3), and (4) of this section.

(2) This section shall not apply to solid or liquid mixtures containing less than 0.1 percent by weight or volume of bis-chloromethyl ether.

(b) *Definitions.* For the purposes of this section: (1) "Absolute filter" is one capable of retaining 99.97 percent of a mono disperse aerosol of 0.3 μm particles.

(2) "Authorized employee" means an employee whose duties require him to be in the regulated area and who has been specifically assigned by the employer.

(3) "Clean change room" means a room where employees put on clean clothing and/or protective equipment in an environment free of bis-chloromethyl ether. The clean change room shall be contiguous to and have an entry from a shower room, when the shower room facilities are otherwise required in this section.

(4) "Closed system" means an operation involving bis-chloromethyl ether where containment prevents the release of bis-chloromethyl ether into regulated areas, nonregulated areas, or the external environment.

(5) "Decontamination" means the inactivation of bis-chloromethyl ether or its safe disposal.

(6) "Director" means the Director, National Institute for Occupational Safety and Health, or any person directed by him or the Secretary of Health, Education, and Welfare to act for the Director.

(7) "Disposal" means the safe removal of bis-chloromethyl ether from the work environment.

(8) "Emergency" means an unforeseen circumstance or set of circumstances resulting in the release of bis-chloromethyl ether which may result in exposure to or contact with bis-chloromethyl ether.

(9) "External environment" means any environment external to regulated and nonregulated areas.

(10) "Isolated system" means a fully enclosed structure other than the vessel of containment, of bis-chloromethyl ether, which is impervious to the passage of, bis-chloromethyl ether and which would prevent the entry of bis-chloromethyl ether into regulated areas, nonregulated areas, or the external environment, should leakage or spillage from the vessel of containment occur.

(11) "Laboratory type hood" is a device enclosed on three sides and the top and bottom, designed and maintained so as to draw air inward at an average linear face velocity of 150 feet per minute with a minimum of 125 feet per minute; designed, constructed, and maintained in such a way that an operation involving bis-chloromethyl ether within the hood does not require the insertion of any portion of any employees' body other than his hands and arms.

(12) "Nonregulated area" means any area under the control of the employer where entry and exit is neither restricted nor controlled.

(13) "Open-vessel system" means an operation involving bis-chloromethyl ether in an open vessel, which is not in an isolated system, a laboratory type hood, nor in any other system affording equivalent protection against the entry of bis-chloromethyl ether into regulated areas, nonregulated areas, or the external environment.

(14) "Protective clothing" means clothing designed to protect an employee against contact with or exposure to bis-chloromethyl ether.

(15) "Regulated area" means an area where entry and exit is restricted and controlled.

(c) *Requirements for areas containing bis-chloromethyl ether.* A regulated area shall be established by an employer where bis-chloromethyl ether is manufactured, processed, used, repackaged, released, handled or stored. All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved: (1) *Isolated systems.* Employees working with bis-chloromethyl ether within an isolated system, such as a "glove box" shall wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.

(2) *Closed system operation.* Within regulated areas where bis-chloromethyl ether is stored in sealed containers, or contained in a closed system, including piping systems, with any sample ports or openings closed while bis-chloromethyl ether is contained within. Access shall be restricted to authorized employees only.

(3) *Open vessel system operations.* Open vessel system operations as defined in paragraph (b)(13) of this section are prohibited.

(4) *Transfer from a closed system, charging or discharging point operations, or otherwise opening a closed system.* In operations involving "laboratory type hoods," or in locations where bis-chloromethyl ether is contained in an otherwise "closed system," but is transferred, charged, or discharged into other normally closed containers, the provisions of this subparagraph shall apply. (i) Access shall be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), and gloves prior to entering the regulated area.

(iv) Employees engaged in bis-chloromethyl ether handling operations shall be provided with and required to wear and use a full-face, supplied air respirator, of the continuous flow or pressure-demand type, in accordance with § 1910.134.

(v) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under paragraphs (e)(2), (3), and (4) of this section.

(vi) Drinking fountains are prohibited in the regulated area.

(5) *Maintenance and decontamination activities.* In cleanup of leaks or spills, maintenance or repair operations on contaminated systems or equipment, or any operations involving work in an area where direct contact with bis-chloromethyl ether could result, each authorized employee entering that area shall: (i) Be provided with and required to wear clean, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with § 1910.134.

(ii) Be decontaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(6) *Laboratory activities.* The requirements of this subparagraph shall apply to research and quality control activities involving the use of bis-chloromethyl ether. (i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surfaces on which bis-chloromethyl ether is handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious containers which are closed and decontaminated prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of bis-chloromethyl ether shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high-efficiency scrubbers.

(vii) Employees engaged in animal support activities shall be (*a*) provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory protective equipment or devices; and

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be (*a*) provided with and required to wear a clean change of appropriate laboratory clothing, such as a solid front gown, surgical scrub suit, or fully buttoned laboratory coat.

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where bis-chloromethyl ether is handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of bis-chloromethyl ether shall be maintained.

(xii) Ventilated apparatus such as laboratory type hoods, shall be tested at least semi-annually or immediately after ventilation modification or maintenance operations, by personnel fully qualified

to certify correct containment and operation.

(d) *General regulated area requirements*—(1) *Employee identification.* A daily roster of employees entering regulated areas shall be established and maintained. The rosters or a summary of the rosters, shall be retained for a period of 20 years. The rosters and/or summaries shall be provided upon request to authorized representatives of the Assistant Secretary and the Director. In the event that the employer ceases business without a successor, rosters shall be forwarded by registered mail to the Director.

(2) *Emergencies.* In an emergency, immediate measures including, but not limited to, the requirements of subdivisions (i), (ii), (iii), (iv), and (v) of this subparagraph shall be implemented. (i) The potentially affected area shall be evacuated as soon as the emergency has been determined.

(ii) Hazardous conditions created by the emergency shall be eliminated and the potentially affected area shall be decontaminated prior to the resumption of normal operations.

(iii) Special medical surveillance by a physician shall be instituted within 24 hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with paragraph (f)(2) of this section.

(iv) Where an employee has a known contact with bis-choromethyl ether such employee shall be required to shower as soon as possible, unless contraindicated by physical injuries.

(v) An incident report on the emergency shall be reported as provided in paragraph (f)(2) of this section.

(3) *Hygiene facilities and practices.* (i) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(ii) Where employees wear protective clothing and equipment clean change rooms shall be provided, in accordance with § 1910.141(e), for the number of such employees required to change clothes.

(iii) Where toilets are in regulated areas, such toilets shall be in a separate room.

(iv) Where employees are required by this section to wash, washing facilities shall be provided in accordance with § 1910.141(d) (1) and (2) (ii) through (vii).

(v) Where employees are required by this section to shower, shower facilities shall be provided in accordance with § 1910.141(d)(3).

(4) *Contamination control.* (i) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas. Local exhaust ventilation may be used to satisfy this requirement. Clean makeup air in equal volume shall replace air removed.

(ii) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner that does not cause contamination in nonregulated areas or the external environment.

(iii) Decontamination procedures shall be established and implemented to remove bis-chloromethyl ether from the surfaces of materials, equipment and the decontamination facility.

(e) *Signs, information and training.*—(1) *Signs.* (i) Entrances to regulated areas shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT

AUTHORIZED PERSONNEL ONLY

(ii) Entrances to regulated areas containing operations covered in paragraph (c)(5) of this section shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT EXPOSED IN THIS AREA IMPERVIOUS SUIT INCLUDING GLOVES, BOOTS, AND AIR-SUPPLIED HOOD REQUIRED AT ALL TIMES AUTHORIZED PERSONNEL ONLY

(iii) Appropriate signs and instructions shall be posted at the entrance to, and exit from, regulated areas, informing employees of the procedures that must be followed in entering and leaving a regulated area.

(2) *Container contents identification.* (i) Containers of bis-chloromethyl ether and containers required under paragraphs (c)(4)(v) and (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible only to, and handled only by, authorized employees, or by other employees trained in accordance with subparagraph (5) of this paragraph, may have contents identification limited to a generic or proprietary name, or other proprietary identification, of the carcinogen and percent.

(ii) Containers of bis-chloromethyl ether and containers required under paragraphs (c)(4)(v), (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible to, or handled by employees other than authorized employees or employees trained in accordance with subparagraph (5) of this paragraph shall have contents identification which includes the full chemical name and Chemical Abstracts Service Registry number as listed in paragraph (a)(1) of this section.

(iii) Containers shall have the warning words "CANCER-SUSPECT AGENT" displayed immediately under or adjacent to the contents identification.

(iv) Containers which have bis-chloromethyl ether contents with corrosive or irritating properties shall have label statements warning of such hazards, noting, if appropriate, particularly sensitive or affected portions of the body.

(3) *Lettering.* Lettering on signs and instructions required by subparagraph (1) of this paragraph shall be a minimum letter height of 2 inches. Labels on containers required under this section shall not be less than ½ the size of the largest lettering on the package, and not less than 8 point type in any instance: *Provided,* That no such required lettering need be more than 1 inch in height.

(4) *Prohibited statements.* No statement shall appear an or near any required sign, label, or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(5) *Training and indoctrination.* (i) Each employee prior to being authorized to enter a regulated area, shall receive a training and indoctrination program including, but not necessarily limited to:

(*a*) The nature of the carcinogenic hazards of bis-chloromethyl ether, including local and systemic toxicity;

(*b*) The specific nature of the operation involving bischloromethyl ether which could result in exposure;

(*c*) The purpose for and application of the medical surveillance program, including, as appropriate, methods of self-examination;

(*d*) The purpose for and application of decontamination practices and purposes;

(*e*) The purpose for and significance of emergency practices and procedures;

(*f*) The employee's specific role in emergency procedures;

(*g*) Specific information to aid the employee in recognition and evaluation of conditions and situations which may result in the release of bis-chloromethyl ether;

(*h*) The purpose for and application of specific first aid procedures and practices;

(*i*) A review of this section at the employee's first training and indoctrination program and annually thereafter.

(ii) Specific emergency procedures shall be prescribed, and posted, and employees, shall be familiarized with their terms, and rehearsed in their application.

(iii) All materials relating to the program shall be provided upon request to authorized representatives of the Assistant Secretary and the Director.

(f) *Reports*—(1) *Operations.* Not later than March 1, 1974, the information required in subdivisions (i), (ii), (iii), and (iv) of this subparagraph shall be reported in writing to the nearest OSHA Area Director. Any changes in such information shall be similarly reported in writing within 15 calendar days of such change. (i) A brief description and in-plant location of the area(s) regulated and the address of each regulated area;

(ii) The name(s) and other identifying information as to the presence of bis-chloromethyl ether in each regulated area;

(iii) The number of employees in each regulated area, during normal operations including maintenance activities and

(iv) The manner in which bis-chloromethyl ether is present in each regulated area; e.g. whether it is manufactured, processed, used, repackaged, released, stored, or otherwise handled.

(2) *Incidents.* Incidents which result in the release of bis-chloromethyl ether

into any area where employees may be potentially exposed shall be reported in accordance with this subparagraph. (i) A report of the occurrence of the incident and the facts obtainable at that time including a report on any medical treatment of affected employees shall be made within 24 hours to the nearest OSHA Area Director.

(ii) A written report shall be filed with the nearest OSHA Area Director within 15 calendar days thereafter and shall include:

(*a*) A specification of the amount of material released, the amount of time involved, and an explanation of the procedure used in determining this figure;

(*b*) A description of the area involved, and the extent of known and possible employee exposure and area contamination, and

(*c*) A report of any medical treatment of affected employees, and any medical surveillance program implemented; and

(*d*) An analysis of the circumstances of the incident, and measures taken or to be taken, with specific completion dates, to avoid further similar releases.

(g) *Medical surveillance.* At no cost to the employee, a program of medical surveillance shall be established and implemented for employees considered for assignment to enter regulated areas, and for authorized employees. (1) Examinations. (i) Before an employee is assigned to enter a regulated area, a preassignment physical examination by a physician shall be provided. The examination shall include the personal history of the employee, family and occupational background, including genetic and environmental factors.

(ii) Authorized employees shall be provided periodic physical examinations, not less often than annually, following the preassignment examination.

(iii) In all physical examinations, the examining physician shall consider whether there exist conditions of increased risk, including reduced immunological competence, those undergoing treatment with steriods or cytotoxic agents, pregnancy and cigarette smoking.

(2) *Records.* (i) Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examniations. Records shall be maintained for the duration of the employee's employment. Upon termination of the employee's employment, including retirement or death, or in the event that the employer ceases business without a successor, records, or notarized true copies thereof, shall be forwarded by registered mail to the Director.

(ii) Records required by this paragraph shall be provided upon request to authorized representatives of the Assistant Secretray or the Director; and upon request of an employee or to a new employer.

(iii) Any physician who conducts a medical examination required by this paragraph shall furnish to the employer a statement of the employee's suitability for employment in the specific exposure.

§ 1910.93i beta-Naphthylamine.

(a) *Scope and application.* (1) This section applies to any area in which beta-Naphthylamine, Chemical Abstracts Service Registry Number 91598 is manufactured, processed, repackaged, released, handled, or stored, but shall not apply to transshipment in sealed containers, except for the labeling requirements under paragraphs (e) (2), (3), and (4) of this section.

(2) This section shall not apply to solid or liquid mixtures containing less than 0.1 percent by weight or volume of beta-Naphthylamine.

(3) This section will not apply to operations involving the destructive distillation of carbonaceous materials, such as occurs in coke ovens.

(b) *Definitions.* For the purposes of this section: (1) "Absolute filter" is one capable of retaining 99.97 percent of a mono disperse aerosol of 0.3 μm particles.

(2) "Authorized employee" means an employee whose duties require him to be in the regulated area and who has been specifically assigned by the employer.

(3) "Clean change room" means a room where employees put on clean clothing and/or protective equipment in an environment free of beta-Naphthylamine. The clean change room shall be contiguous to and have an entry from a shower room, when the shower room facilities are otherwise required in this section.

(4) "Closed system" means an operation involving beta-Naphthylamine where containment prevents the release of beta-Naphthylamine into regulated areas, nonregulated areas, or the external environment.

(5) "Decontamination" means the inactivation of beta-Naphthylamine or its safe disposal.

(6) "Director" means the Director, National Institute for Occupational Safety and Health, or any person directed by him or the Secretary of Health, Education, and Welfare to act for the Director.

(7) "Disposal" means the safe removal of beta-Naphthylamine from the work environment.

(8) "Emergency" means an unforeseen circumstance or set of circumstances resulting in the release of beta-Naphthylamine which may result in exposure to or contact with beta-Naphthylamine.

(9) "External environment" means any environment external to regulated and nonregulated areas.

(10) "Isolated system" means a fully enclosed structure other than the vessel of containment of beta-Naphthylamine, which is impervious to the passage of beta-Naphthylamine, and which would prevent the entry of beta-Naphthylamine into regulated areas, nonregulated areas, or the external environment, should leakage or spillage from the vessel of containment occur.

(11) "Laboratory type hood" is a device enclosed on three sides and the top and bottom, designed and maintained so as to draw air inward at an average linear face velocity of 150 feet per minute with a minimum of 125 feet per minute; designed, constructed, and maintained in such a way that an operation involving beta-Naphthylamine within the hood does not require the insertion of any portion of any employees' body other than his hands and arms.

(12) "Nonregulated area" means any area under the control of the employer where entry and exit is neither restricted nor controlled.

(13) "Open-vessel system" means an operation involving beta-Naphthylamine in an open vessel, which is not in an isolated system, a laboratory type hood, nor in any other system affording equivalent protection against the entry of beta-Naphthylamine into regulated areas, nonregulated areas, or the external environment.

(14) "Protective clothing" means clothing designed to protect an employee against contact with or exposure to beta-Naphthylamine.

(15) "Regulated area" means an area where entry and exit is restricted and controlled.

(c) *Requirements for areas containing beta-Naphthylamine.* A regulated area shall be established by an employer where beta-Naphthylamine is manufactured, processed, used, repackaged, released, handled or stored. All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved: (1) *Isolated systems.* Employees working with beta-Naphthylamine within an isolated system, such as a "glove box" shall wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.

(2) *Closed system operation.* Within regulated areas where beta-Naphthylamine is stored in sealed containers, or contained in a closed system, including piping systems, with any sample ports or openings closed while beta-Napthylamine is contained within: (i) Access shall be restricted to authorized employees only;

(ii) Employees shall be required to wash hands, forearms, face and neck upon each exit from the regulated areas, close to the point of exit and before engaging in other activities.

(3) *Open vessel system operations.* Open vessel system operations as defined in paragraph (b) (13) of this section are prohibited.

(4) *Transfer from a closed system, charging or discharging point operations, or otherwise opening a closed system.* In operations involving "laboratory type hoods," or in locations where beta-Naphthylamine is contained in an otherwise "closed system," but is transferred, charged, or discharged into other normally closed containers, the provisions of this subparagraph shall apply. (i) Access shall be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation

so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), shoe covers and gloves prior to entering the regulated area.

(iv) Employees engaged in beta-Naphthylamine handling operations shall be provided with and required to wear and use a half-face, filter-type respirator for dusts, mists, and fumes, in accordance with § 1910.134. A respirator affording higher levels of protection may be substituted.

(v) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under paragraphs (e)(2), (3), and (4) of this section.

(vi) Employees shall be required to wash hands, forearms, face and neck on each exit from the regulated area, close to the point of exit, and before engaging in other activities.

(vii) Employees shall be required to shower after the last exit of the day.

(viii) Drinking fountains are prohibited in the regulated area.

(5) *Maintenance and decontamination activities.* In clean-up of leaks or spills, maintenance or repair operations on contaminated systems or equipment, where direct contact with beta-Naphthylamine could result, each authorized employee entering that area shall: (i) Be provided with and required to wear clean, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with § 1910.134.

(ii) Be decontaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(6) *Laboratory activities.* The requirements of this subparagraph shall apply to research and quality control activities involving the use of beta-Naphthylamine. (i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surfaces on which beta-Naphthylamine is handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious containers which are closed and decontamined prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of beta-Naphthylamine shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high-efficiency scrubbers or with disposable absolute filters.

(vii) Employees engaged in animal support activities shall be (*a*) provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory protective equipment or devices; and

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities; and

(*d*) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be (*a*) provided with and required to wear a clean change of appropriate laboratory clothing, such as a solid front gown, surgical scrub suit, or fully buttoned laboratory coat.

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where beta-Naphthylamine is handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of beta-Naphthylamine shall be maintained.

(xii) Ventilated apparatus such as laboratory type hoods, shall be tested at least semi-annually or immediately after ventilation modification or maintenance operations, by personnel fully qualified to certify correct containment and operation.

(d) *General regulated area requirements*—(1) *Employee identification.* A daily roster of employees entering regulated areas shall be established and maintained. The rosters or a summary of the rosters, shall be retained for a period of 20 years. The rosters and/or summaries shall be provided upon request to authorized representatives of the Assistant Secretary and the Director. In the event that the employer ceases business without a successor, rosters shall be forwarded by registered mail to the Director.

(2) *Emergencies.* In an emergency, immediate measures including, but not limited to, the requirements of subdivisions (i), (ii), (iii), (iv), and (v) of this subparagraph shall be implemented. (i) The potentially affected area shall be evacuated as soon as the emergency has been determined.

(ii) Hazardous conditions created by the emergency shall be eliminated and the potentially affected area shall be decontaminated prior to the resumption of normal operations.

(iii) Special medical surveillance by a physician shall be instituted within 24 hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with paragraph (f)(2) of this section.

(iv) Where an employee has a known contact with beta-Napththylamine, such employee shall be required to shower as soon as possible, unless contraindicated by physical injuries.

(v) An incident report on the emergency shall be reported as provided in paragraph (f)(2) of this section.

(3) *Hygiene facilities and practices.* (i) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(ii) Where employees are required by this section to wash, washing facilities shall be provided in accordance with § 1910.141(d)(1) and (2)(ii) through (vii).

(iii) Where employees are required by this section to shower, shower facilities shall be provided in accordance with § 1910.141(d)(3).

(iv) Where employees wear protective clothing and equipment clean change rooms shall be provided, in accordance with § 1910.141(e), for the number of such employees required to change clothes.

(v) Where toilets are in regulated areas, such toilets shall be in a separate room.

(4) *Contamination control.* (i) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas.

Local exhaust ventilation may be used to satisfy this requirement. Clean makeup air in equal volume shall replace air removed.

(ii) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner that does not cause contamination in nonregulated areas or the external environment.

(iii) Decontamination procedures shall be established and implemented to remove beta-Naphthylamine from the surfaces of materials, equipment and the decontamination facility.

(iv) Dry sweeping and dry mopping are prohibited.

(e) *Signs, information and training*—(1) *Signs.* (i) Entrances to regulated areas shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT

AUTHORIZED PERSONNEL ONLY

(ii) Entrances to regulated areas containing operations covered in paragraph (c)(5) of this section shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT EXPOSED IN THIS AREA IMPERVIOUS SUIT INCLUDING GLOVES, BOOTS, AND AIR-SUPPLIED HOOD REQUIRED AT ALL TIMES AUTHORIZED PERSONNEL ONLY

(iii) Appropriate signs and instructions shall be posted at the entrance to, and exit from, regulated areas, informing employees of the procedures that must be followed in entering and leaving a regulated area.

(2) *Container contents identification.* (i) Containers of beta-Naphthylamine and containers required under paragraphs (c)(4)(v) and (c)(6)(vii)(b), and (c)(6)(viii)(b) of this section which are accessible only to, and handled only by, authorized employees, or by other employees trained in accordance with subparagraph (5) of this paragraph, may have contents identification limited to a generic or proprietary name, or other proprietary identification, of the carcinogen and percent.

(ii) Containers of beta-Naphthylamine and containers required under paragraphs (c)(4)(v), (c)(6)(vii)(b), and (c)(6)(viii)(b) of this section which are accessible to, or handled by employees other than authorized employees or employees trained in accordance with subparagraph (5) of this paragraph shall have contents identification which includes the full chemical name and Chemical Abstracts Service Registry number as listed in paragraph (a)(1) of this section.

(iii) Containers shall have the warning words "CANCER-SUSPECT AGENT" displayed immediately under or adjacent to the contents identification.

(iv) Containers which have beta-Naphthylamine contents with corrosive or irritating properties shall have label statements warning of such hazards, noting, if appropriate, particularly sensitive or affected portions of the body.

(3) *Lettering.* Lettering on signs and instructions required by subparagraph (1) shall be a minimum letter height of 2 inches. Labels on containers required under this section shall not be less than ½ the size of the largest lettering on the package, and not less than 8 point type in any instance: *Provided,* That no such required lettering need be more than 1 inch in height.

(4) *Prohibited statements.* No statement shall appear on or near any required sign, label, or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(5) *Training and indoctrination.* (i) Each employee prior to being authorized to enter a regulated area, shall receive a training and indoctrination program including, but not necessarily limited to: (*a*) The nature of the carcinogenic hazards of beta-Naphthylamine, including local and systemic toxicity;

(*b*) The specific nature of the operation involving beta-Naphthylamine which could result in exposure;

(*c*) The purpose for and application of the medical surveillance program, including, as appropriate, methods of self-examination;

(*d*) The purpose for and application of decontamination practices and purposes;

(*e*) The purpose for and significance of emergency practices and procedures;

(*f*) The employee's specific role in emergency procedures;

(*g*) Specific information to aid the employee in recognition and evaluation of conditions and situations which may result in the release of beta-Naphthylamine;

(*h*) The purpose for and application of specific first aid procedures and practices;

(*i*) A review of this section at the employee's first training and indoctrination program and annually thereafter.

(ii) Specific emergency procedures shall be prescribed, and posted, and employees, shall be familiarized with their terms, and rehearsed in their application.

(iii) All materials relating to the program shall be provided upon request to authorized representatives of the Assistant Secretary and the Director.

(f) *Reports*—(1) *Operations.* Not later than March 1, 1974, the information required in subdivisions (i), (ii), (iii), and (iv) of this subparagraph shall be reported in writing to the nearest OSHA Area Director. Any changes in such information shall be similarly reported in writing within 15 calendar days of such change. (i) A brief description and in-plant location of the area(s) regulated and the address of each regulated area;

(ii) The name(s) and other identifying information as to the presence of beta-Naphthylamine in each regulated area;

(iii) The number of employees in each regulated area, during normal operations including maintenance activities and

(iv) The manner in which beta-Naphthylamine is present in each regulated area; e.g. whether it is manufactured, processed, used, repackaged, released, stored, or otherwise handled.

(2) *Incidents.* Incidents which result in the release of beta-Naphthylamine into any area where employees may be potentially exposed shall be reported in accordance with this subparagraph. (i) A report of the occurrence of the incident and the facts obtainable at that time including a report on any medical treatment of affected employees shall be made within 24 hours to the nearest OSHA Area Director.

(ii) A written report shall be filed with the nearest OSHA Area Director within 15 calendar days thereafter and shall include: (*a*) A specification of the amount of material released, the amount of time involved, and an explanation of the procedure used in determining this figure;

(*b*) A description of the area involved, and the extent of known and possible employee exposure and area contamination, and (*c*) A report of any medical treatment of affected employees, and any medical surveillance program implemented; and

(*d*) An analysis of the circumstances of the incident, and measures taken or to be taken, with specific completion dates, to avoid further similar releases.

(g) *Medical surveillance.* At no cost to the employee, a program of medical surveillance shall be established and implemented for employees considered for assignment to enter regulated areas, and for authorized employees. (1) *Examinations.* (i) Before an employee is assigned to enter a regulated area, a preassignment physical examination by a physician shall be provided. The examination shall include the personal history of the employee, family and occupational background, including genetic and environmental factors.

(ii) Authorized employees shall be provided periodic physical examinations, not less often than annually, following the preassignment examination.

(iii) In all physical examinations the examining physician shall consider whether there exist conditions of increased risk, including reduced immunological competence, those undergoing treatment with steroids or cytotoxic agents, pregnancy and cigarette smoking.

(2) *Records.* (i) Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be maintained for the duration of the employee's employment. Upon termination of the employee's employment, including retirement or death, or in the event that the employer ceases business without a successor, records, or notarized true copies thereof, shall be forwarded by registered mail to the Director.

(ii) Records required by this paragraph shall be provided upon request to authorized representatives of the Assistant Secretary or the Director; and upon

request of an employee or former employee, to a physician designated by the employee or to a new employer.

(iii) Any physician who conducts a medical examination required by this paragraph shall furnish to the employer a statement of the employee's suitability for employment in the specific exposure.

§ 1910.93j Benzidine.

(a) *Scope and application.* (1) This section applies to any area in which Benzidine, Chemical Abstracts Service Registry Number 92875 is manufactured, processed, repackaged, released, handled, or stored, but shall not apply to transshipment in sealed containers, except for the labeling requirements under paragraphs (e)(2), (3), and (4) of this section.

(2) This section shall not apply to solid or liquid mixtures containing less than 0.1 percent by weight or volume in Benzidine.

(b) *Definitions.* For the purposes of this section: (1) "Absolute filter" is one capable of retaining 99.97 percent of a mono dispense aerosol of 0.3 μm particles.

(2) "Authorized employee" means an employee whose duties require him to be in the regulated area and who has been specifically assigned by the employer.

(3) "Clean change room" means a room where employees put on clean clothing and/or protective equipment in an environment free of Benzidine. The clean change room shall be contiguous to and have an entry from a shower room, when the shower room facilities are otherwise required in this section.

(4) "Closed system" means an operation involving Benzidine where containment prevents the release of Benzidine into regulated areas, nonregulated areas, or the external environment.

(5) "Decontamination" means the inactivation of Benzidine or its safe disposal.

(6) "Director" means the Director, National Institute for Occupational Safety and Health, or any person directed by him or the Secretary of Health, Education, and Welfare to act for the Director.

(7) "Disposal" means the safe removal of Benzidine from the work environment.

(8) "Emergency" means an unforeseen circumstance or set of circumstances resulting in the release of Benzidine which may result in exposure to or contact with Benzidine.

(9) "External environment" means any environment external to regulated and nonregulated areas.

(10) "Isolated system" means a fully enclosed structure other than the vessel of containment of Benzidine, which is impervious to the passage of Benzidine, and which would prevent the entry of Benzidine into regulated areas, nonregulated areas, or the external environment, should leakage or spillage from the vessel of containment occur.

(11) "Laboratory type hood" is a device enclosed on three sides and the top and bottom, designed and maintained so as to draw air inward at an average linear face velocity of 150 feet per minute with a minimum of 125 feet per minute; designed, constructed, and maintained in such a way that an operation involving Benzidine within the hood does not required the insertion of any portion of any employees' body other than his hands and arms.

(12) "Nonregulated area" means any area under the control of the employer where entry and exit is neither restricted nor controlled.

(13) "Open-vessel system" means an operation involving Benzidine in an open vessel, which is not in an isolated system, a laboratory type hood, nor in any other system affording equivalent protection against the entry of Benzidine into regulated areas, nonregulated areas, or the external environment.

(14) "Protective clothing" means clothing designed to protect an employee against contact with or exposure to Benzidine.

(15) "Regulated area" means an area where entry and exit is restricted and controlled.

(c) *Requirements for areas containing Benzidine.* A regulated area shall be established by an employer where Benzidine is manufactured, processed, used, repackaged, released, handled or stored. All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved: (1) *Isolated systems.* Employees working with Benzidine within an isolated system, such as a "glove box" shall wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.

(2) *Closed system operation.* Within regulated areas where Benzidine is stored in sealed containers, or contained in a closed system, including piping systems, with any sample ports or openings closed while Benzidine is contained within: (i) Access shall be restricted to authorized employees only;

(ii) Employees shall be required to wash hands, forearms, face and neck upon each exit from the regulated areas, close to the point of exit and before engaging in other activities.

(3) *Open vessel system operations.* Open vessel system operations as defined in paragraph (b)(13) of this section are prohibited.

(4) *Transfer from a closed system, charging or discharging point operations, or otherwise opening a closed system.* In operations involving "laboratory type hoods," or in locations where Benzidine is contained in an otherwise "closed system," but is transferred, charged, or discharged into other normally closed containers, the provisions of this subparagraph shall apply. (i) Access shall be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and paints), shoe covers and gloves prior to entering the regulated area.

(iv) Employees engaged in Benzidine handling operations shall be provided with and required to wear and use a half-face, filter-type respirator for dusts, mists, and fumes, in accordance with § 1910.134. A respirator affording higher levels of protection may be substituted.

(v) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal, The contents of such impervious containers shall be identified, as required under paragraphs (e)(2), (3), and (4) of this section.

(vi) Employees shall be required to wash hands, forearms, face and neck on each exit from the regulated area, close to the point of exit, and before engaging in other activities.

(vii) Employees shall be required to shower after the last exit of the day.

(viii) Drinking fountains are prohibited in the regulated area.

(5) *Maintenance and decontamination activities.* In cleanup of leaks or spills, maintenance or repair operations on contaminated systems or equipment, where direct contact with Benzidine could result, each authorized employee entering that area shall: (i) Be provided with and required to wear a clean, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with § 1910.134.

(ii) Be decontaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(6) *Laboratory activities.* The requirements of this subparagraph shall apply to research and quality control activities involving the use of Benzidine. (i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surfaces on which Benzidine is handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious containers which are closed and decontaminated prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of Benzidine shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high-efficiency scrubbers or with disposable absolute filters.

(vii) Employees engaged in animal support activities shall be (*a*) provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory protective equipment or devices; and

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities; and

(*d*) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be (*a*) provided with and required to wear a clean change of appropriate laboratory clothing, such as a solid front gown, surgical scrub suit, or fully buttoned laboratory coat.

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(c) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where Benzidine is handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of Benzidine shall be maintained.

(xii) Ventilated apparatus such as laboratory type hoods, shall be tested at least semi-annually or immediately after ventilation modification or maintenance operations, by personnel fully qualified to certify correct containment and operation.

(d) *General regulated area requirements*—(1) *Employee identification.* A daily roster of employees entering regulated areas shall be established and maintained. The rosters or a summary of the rosters, shall be retained for a period of 20 years. The rosters and/or summaries shall be provided upon request to authorized representatives of the Assistant Secretary and the Director. In the event that the employer ceases business without a successor, rosters shall be forwarded by registered mail to the Director.

(2) *Emergencies.* In an emergency, immediate measures including, but not limited to, the requirements of subdivisions (i), (ii), (iii), (iv), and (v) of this subparagraph shall be implemented. (i) The potentially affected area shall be evacuated as soon as the emergency has been determined.

(ii) Hazardous conditions created by the emergency shall be eliminated and the potentially affected area shall be decontaminated prior to the resumption of normal operations.

(iii) Special medical surveillance by a physician shall be instituted within 24 hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with paragraph (f)(2) of this section.

(iv) Where an employee has a known contact with Benzidine such employee shall be required to shower as soon as possible unless contradicted by physical injuries.

(v) An incident report on the emergency shall be reported as provided in paragraph (f)(2) of this section.

(3) *Hygiene facilities and practices.* (i) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(ii) Where employees are required by this section to wash, washing facilities shall be provided in accordance with § 1910.141(d)(1) and (2)(ii) through (vii).

(iii) Where employees are required by this section to shower, shower facilities shall be provided in accordance with § 1910.141(d)(3).

(iv) Where employees wear protective clothing and equipment clean change rooms shall be provided, in accordance with § 1910.141(e), for the number of such employees required to change clothes.

(v) Where toilets are in regulated areas, such toilets shall be in a separate room.

(4) *Contamination control.* (i) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas. Local exhaust ventilation may be used to satisfy this requirement. Clean makeup air in equal volume shall replace air removed.

(ii) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner that does not cause contamination in nonregulated areas or the external environment.

(iii) Decontamination procedures shall be established and implemented to remove Benzidine from the surfaces of materials, equipment and the decontamination facility.

(iv) Dry sweeping and dry mopping are prohibited.

(e) *Signs, information and training.*—(1) *Signs.* (i) Entrances to regulated areas shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT
AUTHORIZED PERSONNEL ONLY

(ii) Entrances to regulated areas containing operations covered in paragraph (c)(5) of this section shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT EXPOSED IN THIS AREA

IMPERVIOUS SUIT INCLUDING GLOVES, BOOTS, AND AIR-SUPPLIED HOOD REQUIRED AT ALL TIMES AUTHORIZED PERSONNEL ONLY

(iii) Appropriate signs and instructions shall be posted at the entrance to, and exit from, regulated areas, informing employees of the procedures that must be followed in entering and leaving a regulated area.

(2) *Container contests identification.* (i) Containers of Benzidine and containers required under paragraphs (c)(4)(v) and (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible only to, and handled only by, authorized employees, or by other employees trained in accordance with subparagraph (5) of this paragraph, may have contents identification limited to a generic or proprietary name, or other proprietary identification, of the carcinogen and percent.

(ii) Containers of Benzidine and containers required under paragraphs (c)(4)(v), (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible to, or handled by employees other than authorized employees or employees trained in accordance with subparagraph (5) of this paragraph shall have contents identification which includes the full chemical name and Chemical Abstracts Service Registry number as listed in paragraph (a)(1) of this section.

(iii) Containers shall have the worning words "CANCER-SUSPECT AGENT" displayed immediately under or adjacent to the contents identification.

(iv) Containers which have Benzidine contents with corrosive or irritating properties shall have label statements warning of such hazards, noting, if appropriate, particularly sensitive or affected portions of the body.

(3) *Lettering.* Lettering on signs and instructions required by subparagraph (1) of this paragraph shall be a minimum letter height of 2 inches. Labels on containers required under this section shall not be less than ½ the size of the largest lettering on the package, and not less

than 8 point type in any instance: *Provided*, That no such required lettering need be more than 1 inch in height.

(4) *Prohibited statements.* No statement shall appear on or near any required sign, label, or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(5) *Training and indoctrination.* (i) Each employee prior to being authorized to enter a regulated area, shall receive a training and indoctrination program including, but not necessarily limited to: (*a*) The nature of the carcinogenic hazards of Benzidine, including local and systemic toxicity;

(*b*) The specific nature of the operation involving Benzidine which could result in exposure;

(*c*) The purpose for and application of the medical surveillance program, including, as appropriate, methods of self-examination;

(*d*) The purpose for and application of decontamination practices and purposes;

(*e*) The purpose for and significance of emergency practices and procedures;

(*f*) The employee's specific role in emergency procedures;

(*g*) Specific information to aid the employee in recognition and evaluation of conditions and situations which may result in the release of Benzidine;

(*h*) The purpose for and application of specific first aid procedures and practices;

(*j*) A review of this section at the employee's first training and indoctrination program and annually thereafter.

(ii) Specific emergency procedures shall be prescribed, and posted, and employees, shall be familiarized with their terms, and rehearsed in their application.

(iii) All materials relating to the program shall be provided upon request to authorized representatives of the Assistant Secretary and the Director.

(f) *Reports*—(1) *Operations.* Not later than March 1, 1974, the information required in subdivisions (i), (ii), (iii), and (iv) of this subparagraph shall be reported in writing to the nearest OSHA Area Director. Any changes in such information shall be similarly reported in writing within 15 calendar days of such change. (i) A brief description and in-plant location of the area(s) regulated and the address of each regulated area;

(ii) The name(s) and other identifying information as to the presence of Benzidine in each regulated area;

(iii) The number of employees in each regulated area, during normal operations including maintenance activities and

(iv) The manner in which Benzidine is present in each regulated area; e.g. whether it is manufactured, processed, used, repackaged, released, stored, or otherwise handled.

(2) *Incidents.* Incidents which result in the release of Benzidine into any area where employees may be potentially exposed shall be reported in accordance with this subparagraph. (i) A report of the occurrence of the incident and the facts obtainable at that time including a report on any medical treatment of affected employees shall be made within 24 hours to the nearest OSHA Area Director.

(ii) A written report shall be filed with the nearest OSHA Area Director within 15 calendar days thereafter and shall include: (*a*) A specification of the amount of material released, the amount of time involved, and an explanation of the procedure used in determining this figure;

(*b*) A description of the area involved, and the extent of known and possible employee exposure and area contamination, and

(*c*) A report of any medical treatment of affected employees, and any medical surveillance program implemented; and

(*d*) An analysis of the circumstances of the incident, and measures taken or to be taken, with specific completion dates, to avoid further similar releases.

(g) *Medical surveillance.* At no cost to the employee, a program of medical surveillance shall be established and implemented for employees considered for assignment to enter regulated areas, and for authorized employees. (1) *Examinations.* (i) Before an employee is assigned to enter a regulated area, a preassignment physical examination by a physician shall be provided. The examination shall include the personal history of the employee, family and occupational background, including genetic and environmental factors.

(ii) Authorized employees shall be provided periodic physical examinations, not less often than annually, following the preassignment examination.

(iii) In all physical examinations, the examining physician shall consider whether there exist conditions of increased risk, including reduced immunological competence, those undergoing treatment with steroids or cytotoxic agents, pregnancy and cigarette smoking.

(2) *Records.* (i) Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be maintained for the duration of the employee's employment. Upon termination of the employee's employment, including retirement or death, or in the event that the employer ceases business without a successor, records, or notarized true copies thereof, shall be forwarded by registered mail to the Director.

(ii) Records required by this paragraph shall be provided upon request to authorized representatives of the Assistant Secretary or the Director; and upon request of an employee or former employee, to a physician designated by the employee or to a new employer.

(iii) Any physician who conducts a medical examination required by this paragraph shall furnish to the employer a statement of the employee's suitability for employment in the specific exposure.

§ 1910.93k 4-Aminodiphenyl.

(a) *Scope and application.* (1) This section applies to any area in which 4-Aminodiphenyl, Chemical Abstracts Service Registry Number 92671 is manufactured, processed, repackaged, released, handled, or stored, but shall not apply to transshipment in sealed containers, except for the labeling requirements under paragraphs (e) (2), (3), and (4) of this section.

(2) This section shall not apply to solid or liquid mixtures containing less than 0.1 percent by weight or volume of 4-Aminodiphenyl.

(b) *Definitions.* For the purposes of this section: (1) "Absolute filter" is one capable of retaining 99.97 percent of a mono disperse aerosol of 0.3 μm particles.

(2) "Authorized employee" means an employee whose duties require him to be in the regulated area and who has been specifically assigned by the employer.

(3) "Clean change room" means a room where employees put on clean clothing and/or protective equipment in an environment free of 4-Aminodiphenyl. The clean change room shall be contiguous to and have an entry from a shower room, when the shower room facilities are otherwise required in this section.

(4) "Closed system" means an operation involving 4-Aminodiphenyl where containment prevents the release of 4-Aminodiphenyl into regulated areas, nonregulated area, or the external environment.

(5) "Decontamination" means the inactivation of 4-Aminodiphenyl or its safe disposal.

(6) "Director" means the Director, National Institute for Occupational Safety and Health, or any person directed by him or the Secretary of Health, Education, and Welfare to act for the Director.

(7) "Disposal" means the safe removal of 4-Aminodiphenyl from the work environment.

(8) "Emergency" means an unforeseen circumstance or set of circumstances resulting in the release of 4-Aminodiphenyl which may result in exposure to or contact with 4-Aminodiphenyl.

(9) "External environment" means any environment external to regulated and nonregulated areas.

(10) "Isolated system" means a fully enclosed structure other than the vessel of containment of 4-Aminodiphenyl, which is impervious to the passage of 4-Aminodiphenyl, and which would prevent the entry of 4-Aminodiphenyl into regulated areas, nonregulated areas, or the external environment, should leakage or spillage from the vessel of containment occur.

(11) "Laboratory type hood" is a device enclosed on three sides and the top and bottom, designed and maintained so as to draw air inward at an average linear face velocity of 150 feet per minute with a minimum of 125 feet per minute; designed, constructed, and maintained

in such a way that an operation involving 4-Aminodiphenyl within the hood does not require the insertion of any portion of any employees' body other than his hands and arms.

(12) "Nonregulated area" means any area under the control of the employer where entry and exit is neither restricted nor controlled.

(13) *Open-vessel system* means an operation involving 4-Aminodiphenyl in an open vessel, which is not in an isolated system, a laboratory type hood, nor in any other system affording equivalent protection against the entry of 4-Aminodiphenyl into regulated areas, nonregulated areas, or the external environment.

(14) *Protective clothing* means clothing designed to protect an employee against contact with or exposure to 4-Aminodiphenyl.

(15) *Regulated area* means an area where entry and exit is restricted and controlled.

(c) *Requirements for areas containing 4-Aminodiphenyl.* A regulated area shall be established by an employer where 4-Aminodiphenyl is manufactured, processed, used, repackaged, released, handled or stored. All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved: (1) *Isolated systems.* Employees working with 4-Aminodiphenyl within an isolated system, such as a "glove box" shall wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.

(2) *Closed system operation.* Within regulated areas where 4-Aminodiphenyl is stored in sealed containers, or contained in a closed system, including piping systems, with any sample ports or openings closed while 4-Aminodiphenyl is contained within: (i) Access shall be restricted to authorized employees only;

(ii) Employees shall be required to wash hands, forearms, face and neck upon each exit from the regulated areas, close to the point of exit and before engaging in other activities.

(3) *Open vessel system operations.* Open vessel system operations as defined in paragraph (b)(13) of this section are prohibited.

(4). *Transfer from a closed system, charging or discharging point operations, or otherwise opening a closed system.* In operations involving "laboratory type hoods," or in locations where 4-Aminodiphenyl is contained in an otherwise "closed system," but is transferred, charged, or discharged into other normally closed containers, the provisions of this subparagraph shall apply. (i) Access shall be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), shoe covers and gloves prior to entering the regulated area.

(iv) Employees engaged in 4-Aminodiphenyl handling operations shall be provided with and required to wear and use a half-face, filter-type respirator for dusts, mists, and fumes, in accordance with § 1910.134. A respirator affording higher levels of protection may be substituted.

(v) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under paragraphs (e)(2), (3), and (4) of this section.

(vi) Employees shall be required to wash hands, forearms, face and neck on each exit from the regulated area, close to the point of exit, and before engaging in other activities.

(vii) Employees shall be required to shower after the last exit of the day.

(viii) Drinking fountains are prohibited in the regulated area.

(5) *Maintenance and decontamination activities.* In cleanup of leaks or spills, maintenance or repair operations on contaminated systems or equipment, where direct contact with 4-Aminodiphenyl could result, each authorized employee entering that area shall: (i) Be provided with and required to wear a cleans, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with § 1910.134.

(ii) Be decontaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(6) *Laboratory activities.* The requirements of this subparagraph shall apply to research and quality control activities involving the use of 4-Aminodiphenyl. (i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surfaces on which 4-Aminodiphenyl is handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious containers which are closed and decontaminated prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of 4-Aminodiphenyl shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high-efficiency scrubbers or with disposable absolute filters.

(vii) Employees engaged in animal support activities shall be (*a*) provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory protective equipment or devices; and

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities; and

(*d*) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be (*a*) provided with and required to wear a clean change of appropriate laboratory clothing, such as a solid front gown, surgical scrub suit, or fully bottoned laboratory coat.

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where 4-Aminodiphenyl is handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of 4-Aminodiphenyl shall be maintained.

(xii) Ventilated apparatus such as laboratory type hoods, shall be tested at least semi-annually or immediately after ventilation modification or maintenance operations, by personnel fully qualified to certify correct containment and operation.

(d) *General regulated area requirements*—(1) *Employee identification.* A daily roster of employees entering regulated areas shall be established and

maintained. The rosters or a summary of the rosters, shall be retained for a period of 20 years. The rosters and/or summaries shall be provided upon request to authorized representatives of the Assistant Secretary and the Director. In the event that the employer ceases business without a successor, rosters shall be forwarded by registered mail to the Director.

(2) *Emergencies.* In an emergency, immediate measures including, but not limited to, the requirements of subdivisions (i), (ii), (iii), (iv), and (v) of this subparagraph shall be implemented. (i) The potentially affected area shall be evacuated as soon as the emergency has been determined.

(ii) Hazardous conditions created by the emergency shall be eliminated and the potentially affected area shall be decontaminated prior to the resumption of normal operations.

(iii) Special medical surveillance by a physician shall be instituted within 24 hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with paragraph (f)(2) of this section.

(iv) Where an employee has a known contact with 4-Aminodiphenyl such employee shall be required to shower as soon as possible, unless contraindicated by physical injuries.

(v) An incident report on the emergency shall be reported as provided in paragraph (f)(2) of this section.

(3) *Hygiene facilities and practices.* (i) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(ii) Where employees are required by this section to wash, washing facilities shall be provided in accordance with § 1910.141(d)(1) and (2)(ii) through (vii).

(iii) Where employees are required by this section to shower, shower facilities shall be provided in accordance with § 1910.141(d)(3).

(iv) Where employees wear protective clothing and equipment clean change rooms shall be provided, in accordance with § 1910.141(e), for the number of such employees required to change clothes.

(v) Where toilets are in regulated areas, such toilets shall be in a separate room.

(4) *Contamination control.* (i) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas. Local exhaust ventilation may be used to satisfy this requirement. Clean makeup air in equal volume shall replace air removed.

(ii) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner that does not cause contamination in nonregulated areas or the external environment.

(iii) Decontamination procedures shall be established and implemented to remove 4-Aminodiphenyl from the surfaces of materials, equipment and the decontamination facility.

(iv) Dry sweeping and dry mopping are prohibited.

(e) *Signs, information and training*—(1) *Signs.* (i) Entrances to regulated areas shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT
AUTHORIZED PERSONNEL ONLY

(ii) Entrances to regulated areas containing operations covered in paragraph (c)(5) of this section shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT EXPOSED IN THIS AREA

IMPERVIOUS SUIT INCLUDING GLOVES, BOOTS, AND AIR-SUPPLIED HOOD REQUIRED AT ALL TIMES AUTHORIZED PERSONNEL ONLY

(iii) Appropriate signs and instructions shall be posted at the entrance to, and exit from, regulated areas, informing employees of the procedures that must be followed in entering and leaving a regulated area.

(2) *Container contents identification.* (i) Containers of 4-Aminodiphenyl and containers required under paragraphs (c)(4)(v) and (c)(6)(vii)(b), and (c)(6)(viii)(b) of this section which are accessible only to, and handled only by, authorized employees, or by other employees trained in accordance with subparagraph (5) of this paragraph, may have contents identification limited to a generic or proprietary name, or other proprietary identification, of the carcinogen and percent.

(ii) Containers of 4-Aminodiphenyl and containers required under paragraphs (c)(4)(v), (c)(6)(vii)(b), and (c)(6)(viii)(b) of this section which are accessible to, or handled by employees other than authorized employees or employees trained in accordance with subparagraph (5) of this paragraph shall have contents identification which includes the full chemical name and Chemical Abstracts Service Registry number as listed in paragraph (a)(1) of this section.

(iii) Containers shall have the warning words "CANCER-SUSPECT AGENT" displayed immediately under or adjacent to the contents identification.

(iv) Containers which have 4-Aminodiphenyl contents with corrosive or irritating properties shall have label statements warning of such hazards, noting, if appropriate, particularly sensitive or affected portions of the body.

(3) *Lettering.* Lettering on signs and instructions required by subparagraph (1) shall be a minimum letter height of 2 inches. Labels on containers required under this section shall not be less than ½ the size of the largest lettering on the package, and not less than 8 point type in any instance: *Provided,* That no such required lettering need be more than 1 inch in height.

(4) *Prohibited statements.* No statement shall appear on or near any required sign, label, or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(5) *Training and indoctrination.* (i) Each employee prior to being authorized to enter a regulated area, shall receive a training and indoctrination program including, but not necessarily limited to: (*a*) The nature of the carcinogenic hazards of 4-Aminodiphenyl, including local and systemaic toxicity;

(*b*) The specific nature of the operation involving 4-Aminodiphenyl which could result in exposure;

(*c*) The purpose for and application of the medical surveillance program, including, as appropriate, methods of self-examination;

(*d*) The purpose for and application of decontamination practices and purposes;

(*e*) The purpose for and significance of emergency practices and procedures;

(*f*) The employee's specific role in emergency procedures;

(*g*) Specific information to aid the employee in recognition and evaluation of conditions and situations which may result in the release of 4-Aminodiphenyl;

(*h*) The purpose for an application of specific first aid procedures and practices;

(*i*) A review of this section at the employee's first training and indoctrination program and annually thereafter.

(ii) Specific emergency procedures shall be prescribed, and posted, and employees, shall be familiarized with their terms, and rehearsed in this application.

(iii) All materials relating to the program shall be provided upon request to authorized representatives of the Assistant Secretary and the Director.

(f) *Reports*—(1) *Operations.* Not later than March 1, 1974, the information required in subdivisions (i), (ii), (iii), and (iv) of this subparagraph shall be reported in writing to the nearest OSHA Area Director. Any changes in such information shall be similarly reported in writing within 15 calendar days of such change. (i) A brief description and in-plant location of the area(s) regulated and the address of each regulated area;

(ii) The name(s) and other identifying information as to the presence of 4-Aminodiphenyl in each regulated area;

(iii) The number of employees in each regulated area, during normal operations including maintenance activities and

(iv) The manner in which 4-Aminodiphenyl is present in each regulated area; e.g. whether it is manufactured, processed, used, repackaged, released, stored, or otherwise handled.

(2) *Incidents.* Incidents which result in the release of 4-Aminodiphenyl into any area where employees may be potentially exposed shall be reported in accordance with this subparagraph. (i) A report of the occurrence of the incident

and the facts obtainable at that time including a report on any medical treatment of affected employees shall be made within 24 hours to the nearest OSHA Area Director.

(ii) A written report shall be filed with the nearest OSHA Area Director within 15 calendar days thereafter and shall include: (*a*) A specification of the amount of material released, the amount of time involved, and an explanation of the procedure used in determining this figure;

(*b*) A description of the area involved, and the extent of known and possible employee exposure and area contamination, and

(*c*) A report of any medical treatment of affected employees, and any medical surveillance program implemented; and

(*d*) An analysis of the circumstances of the incident, and measures taken or to be taken, with specific completion dates, to avoid further similar releases.

(g) *Medical surveillance.* At no cost to the employee, a program of medical surveillance shall be established and implemented for employees considered for assignment to enter regulated areas, and for authorized employees. (1) *Examinations.* (i) Before an employee is assigned to enter a regulated area, a preassignment physical examination by a physician shall be provided. The examination shall include the personal history of the employee, family and occupational background, including genetic and environmental factors.

(ii) Authorized employees shall be provided periodic physical examinations, not less often than annually, following the preassignment examination.

(iii) In all physical examinations, the examining physician shall consider whether there exist conditions of increased risk, including reduced immunological competence, those undergoing treatment with steroids or cytotoxic agents, pregnancy and cigarette smoking.

(2) *Records.* (i) Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be maintained for the duration of the employee's employment. Upon termination of the employee's employment, including retirement or death, or in the event that the employer ceases business without a successor, records, or notarized true copies thereof, shall be forwarded by registered mail to the Director.

(ii) Records required by this paragraph shall be provided upon request to authorized representatives of the Assistant Secretary or the Director; and upon request of an employee or former employee, to a physician designated by the employee or to a new employer.

(iii) Any physician who conducts a medical examination required by this paragraph shall furnish to the employer a statement of the employee's suitability for employment in the specific exposure.

§ 1910.931 Ethyleneimine.

(a) *Scope and application.* (1) This section applies to any area in which Ethyleneimine, Chemical Abstracts Service Registry Number 151564 is manufactured, processed, repackaged, released, handled, or stored, but shall not apply to transshipment in sealed containers, except for the labeling requirements under paragraphs (e)(2), (3), and (4) of this section.

(2) This section shall not apply to solid or liquid mixtures containing less than 1.0 percent by weight or volume of Ethyleneimine.

(b) *Definitions.* For the purposes of this section: (1) "Absolute filter" is one capable of retaining 99.97 percent of a mono disperse aerosol of 0.3 μm particles.

(2) "Authorized employee" means an employee whose duties require him to be in the regulated area and who has been specifically assigned by the employer.

(3) "Clean change room" means a room where employees put on clean clothing and/or protective equipment in an environment free of Ethyleneimine. The clean change room shall be contiguous to and have an entry from a shower room, where the shower room facilities are otherwise required in this section.

(4) "Closed system" means an operation involving Ethyleneimine where containment prevents the release of Ethyleneimine into regulated areas, nonregulated areas, or the external environment.

(5) "Decontamination" means the inactivation of Ethyleneimine or its safe disposal.

(6) "Director" means the Director, National Institute for Occupational Safety and Health, or any person directed by him or the Secretary of Health, Education, and Welfare to act for the Director.

(7) "Disposal" means the safe removal of Ethyleneimine from the work environment.

(8) "Emergency" means an unforeseen circumstance or set of circumstances resulting in the release of Ethyleneimine which may result in exposure to or contact with Ethyleneimine.

(9) "External environment" means any environment external to regulated and nonregulated areas.

(10) "Isolated system" means a fully enclosed structure other than the vessel of containment of Ethyleneimine, which is impervious to the passage of Ethyleneimine, and which would prevent the entry of Ethyleneimine into regulated areas, nonregulated areas, or the external environment, should leakage or spillage from the vessel of containment occur.

(11) "Laboratory type hood" is a device enclosed on three sides and the top and bottom, designed and maintained so as to draw air inward at an average linear face velocity of 150 feet per minute with a minimum of 125 feet per minute; designed, constructed, and maintained in such a way that an operation involving Ethyleneimine within the hood does not require the insertion of any portion of any employees' body other than his hands and arms.

(12) "Nonregulated area" means any area under the control of the employer where entry and exit is neither restricted nor controlled.

(13) "Open-vessel system" means an operation involving Ethyleneimine in an open vessel, which is not in an isolated system, a laboratory type hood, nor in any other system affording equivalent protection against the entry of Ethyleneimine into regulated areas, nonregulated areas, or the external environment.

(14) "Protective clothing" means clothing designed to protect an employee against contact with or exposure to Ethyleneimine.

(15) "Regulated area" means an area where entry and exit is restricted and controlled.

(c) *Requirements for areas containing Ethyleneimine.* A regulated area shall be established by an employer where Ethyleneimine is manufactured, processed, used, repackaged, released, handled or stored. All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved: (1) *Isolated systems.* Employees working with Ethyleneimine within an isolated system, such as a "glove box" shall wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.

(2) *Closed system operation.* Within regulated areas where Ethyleneimine is stored in sealed containers, or contained in a closed system, including piping systems, with any sample ports or openings closed while Ethyleneimine is contained within: Access shall be restricted to authorized employees only.

(3) *Open vessel system operations.* Open vessel system operations as defined in paragraph (b)(13) of this section are prohibited.

(4) *Transfer from a closed system, charging or discharging point operations, or otherwise opening a closed system.* In operations involving "laboratory type hoods," or in locations where Ethyleneimine is contained in an otherwise "closed system," but is transferred, charged, or discharged into other normally closed containers, the provisions of this subparagraph shall apply. (i) Access shall be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), and gloves prior to entering the regulated area.

(iv) Employees engaged in Ethyleneimine handling operations shall be provided with and required to wear and use a fullface, supplied air respirator, of the continuous flow or pressure-demand type, in accordance with § 1910.134.

(v) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under paragraphs (e)(2), (3), and (4) of this section.

(vi) Drinking fountains are prohibited in the regulated area.

(5) *Maintenance and decontamination activities.* In cleanup of leaks or spills, maintenance or repair operations on contaminated systems or equipment, where direct contact with Ethyleneimine could result, each authorized employee entering that area shall: (i) Be provided with and required to wear a clean, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with § 1910.134.

(ii) Be decontaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(6) *Laboratory activities.* The requirements of this subparagraph shall apply to research and quality control activities involving the use of Ethyleneimine. (i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surfaces on which Ethyleneimine is handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious containers which are closed and decontaminated prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of Ethyleneimine shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high-efficiency scrubbers.

(vii) Employees engaged in animal support activities shall be (*a*) provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory protective equipment or devices; and

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be (*a*) provided with and required to wear a clean change of appropriate laboratory clothing, such as a solid front gown, surgical scrub suit, or fully buttoned laboratory coat.

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where Ethyleneimine is handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of Ethyleneimine shall be maintained.

(xii) Ventilated apparatus such as laboratory type hoods, shall be tested at least semi-annually or immediately after ventilation modification or maintenance operations, by personnel fully qualified to certify correct containment and operation.

(d) *General regulated area requirements*—(1) *Employee identification.* A daily roster of employees entering regulated areas shall be established and maintained. The rosters or a summary of the rosters, shall be retained for a period of 20 years. The rosters and/or summaries shall be provided upon request to authorized representatives of the Assistant Secretary and the Director. In the event that the employer ceases business without a successor, rosters shall be forwarded by registered mail to the Director.

(2) *Emergencies.* In an emergency, immediate measures including, but not limited to, the requirements of subdivisions (i), (ii), (iii), (iv), and (v) of this subparagraph shall be implemented. (i) The potentially affected area shall be evacuated as soon as the emergency has been determined.

(ii) Hazardous conditions created by the emergency shall be eliminated and the potentially affected area shall be decontaminated prior to the resumption of normal operations.

(iii) Special medical surveillance by a physician shall be instituted within 24 hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with paragraph (f)(2) of this section.

(iv) Where an employee has a known contact with Ethyleneimine, such employee shall be required to shower as soon as possible, unless contraindicated by physical injuries.

(v) An incident report on the emergency shall be reported as provided in paragraph (f)(2) of this section.

(vi) Emergency deluge showers and eyewash fountains supplied with running potable water shall be located near, within sight of, and on the same level with locations where a direct exposure of Ethyleneimine would be most likely as a result of equipment failure, or improper work practice.

(3) *Hygiene facilities and practices.* (i) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(ii) Where employees wear protective clothing and equipment clean change rooms shall be provided, in accordance with § 1910.141(e), for the number of such employees required to change clothes.

(iii) Where toilets are in regulated areas, such toilets shall be in a separate room.

(iv) Where employees are required by this section to wash, washing facilities shall be provided in accordance with § 1910.141(d)(1) and (2)(ii) through (vii).

(v) Where employees are required by this section to shower, shower facilities shall be provided in accordance with § 1910.141(d)(3).

(4) *Contamination control.* (i) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas. Local exhaust ventilation may be used to satisfy this requirement. Clean make-up air in equal volume shall replace air removed.

(ii) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner that does not cause contamination in nonregulated areas or the external environment.

(iii) Decontamination procedures shall be established and implemented to remove Ethyleneimine from the surfaces of materials, equipment and the decontamination facility.

(e) *Signs, information and training.*—(1) *Signs.* (i) Entrances to regulated areas shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT
AUTHORIZED PERSONNEL ONLY

(ii) Entrances to regulated areas containing operations covered in paragraph (c)(5) of this section shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT EXPOSED IN THIS AREA IMPERVIOUS SUIT INCLUDING GLOVES, BOOTS, AND AIR-SUPPLIED HOOD REQUIRED AT ALL TIMES, AUTHORIZED PERSONNEL ONLY

(iii) Appropriate signs and instructions shall be posted at the entrance to, and exit from, regulated areas, informing employees of the procedures that must be followed in entering and leaving a regulated area.

(2) *Container contents identification.* (i) Containers of Ethyleneimine and containers required under paragraphs (c)(4)(v) and (c)(6)(vii)(b), and (c)(6)(viii)(b) of this section which are accessible only to, and handled only by, authorized employees, or by other employees trained in accordance with subparagraph (5) of this paragraph, may have contents identification limited to a generic or proprietary name, or other proprietary identification, of the carcinogen and percent.

(ii) Containers of Ethyleneimine and containers required under paragraphs (c)(4)(v), (c)(6)(vii)(b), and (c)(6)(viii)(b) of this section which are accessible to, or handled by employees other than authorized employees or employees trained in accordance with subparagraph 5 of this paragraph shall have contents identification which includes the full chemical name and Chemical Abstracts Service Registry number as listed in paragraph (a)(1) of this section.

(iii) Containers shall have the warning words "CANCER-SUSPECT AGENT" displayed immediately under or adjacent to the contents identification.

(iv) Containers which have Ethyleneimine contents with corrosive or irritating properties shall have label statements warning of such hazards, noting, if appropriate, particularly sensitive or affected portions of the body.

(3) *Lettering.* Lettering on signs and instructions required by subparagraph (1) of this paragraph shall be a minimum letter height of 2 inches. Labels on containers required under this section shall not be less than ½ the size of the largest lettering on the package, and not less than 8 point type in any instance: *Provided,* That no such required lettering need be more than 1 inch in height.

(4) *Prohibited statements.* No statement shall appear on or near any required sign, label, or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(5) *Training and indoctrination.* (i) Each employee prior to being authorized to enter a regulated area, shall receive a training and indoctrination program including, but not necessarily limited to: (*a*) The nature of the carcinogenic hazards of Ethyleneimine, including local and systemic toxicity;

(*b*) The specific nature of the operation involving Ethyleneimine which could result in exposure;

(*c*) The purpose for and application of the medical surveillance program, including, as appropriate, methods of self-examination;

(*d*) The purpose for and application of decontamination practices and purposes;

(*e*) The purpose for and significance of emergency practices and procedures;

(*f*) The employee's specific role in emergency procedures;

(*g*) Specific information to aid the employee in recognition and evaluation of conditions and situations which may result in the release of Ethyleneimine;

(*h*) The purpose for and application of specific first aid procedures and practices;

(*i*) A review of this section at the employee's first training and indoctrination program and annually thereafter.

(ii) Specific emergency procedures shall be prescribed, and posted, and employees, shall be familiarized with their terms, and rehearsed in their application.

(iii) All materials relating to the program shall be provided upon request to authorized representatives of the Assistant Secretary and the Director.

(f) *Reports* — (1) *Operations.* Not later than March 1, 1974, the information required in subdivisions (i), (ii), (iii), and (iv) of this subparagraph shall be reported in writing to the nearest OSHA Area Director. Any changes in such information shall be similarly reported in writing within 15 calendar days of such change. (i) A brief description and in-plant location of the area(s) regulated and the address of each regulated area;

(ii) The name(s) and other identifying information as to the presence of Ethyleneimine in each regulated area;

(iii) The number of employees in each regulated area, during normal operations including maintenance activities and

(iv) The manner in which Ethyleneimine is present in each regulated area; e.g. whether it is manufactured, processed, used, repackaged, released, stored, or otherwise handled.

(2) *Incidents.* Incidents which result in the release of Ethyleneimine into any area where employees may be potentially exposed shall be reported in accordance with this subparagraph. (i) A report of the occurrence of the incident and the facts obtainable at that time including a report on any medical treatment of affected employees shall be made within 24 hours to the nearest OSHA Area Director.

(ii) A written report shall be filed with the nearest OSHA Area Director within 15 calendar days thereafter and shall include: (*a*) A specification of the amount of material released, the amount of time involved, and an explanation of the procedure used in determining this figure;

(*b*) A description of the area involved, and the extent of known and possible employee exposure and area contamination, and

(*c*) A report of any medical treatment of affected employees, and any medical surveillance program implemented; and

(*d*) An analysis of the circumstances of the incident, and measures taken or to be taken, with specific completion dates, to avoid further similar releases.

(g) *Medical surveillance.* At no cost to the employee, a program of medical surveillance shall be established and implemented for employees considered for assignment to enter regulated areas, and for authorized employees. (1) *Examinations.* (i) Before an employee is assigned to enter a regulated area, a preassignment physical examination by a physician shall be provided. The examination shall include the personal history of the employee, family and occupational background, including genetic and environmental factors.

(ii) Authorized employees shall be provided periodic physical examinations, not less often than annually, following the preassignment examination.

(iii) In all physical examinations, the examining physician shall consider whether there exist conditions of increased risk, including reduced immunological competence, those undergoing treatment with steroids or cytotoxic agents, pregnancy and cigarette smoking.

(2) *Records.* (i) Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be maintained for the duration of the employee's employment. Upon termination of the employee's employment, including retirement or death, or in the event that the employer ceases business without a successor, records, or notarized true copies thereof, shall be forwarded by registered mail to the Director.

(ii) Records required by this paragraph shall be provided upon request to authorized representatives of the Assistant Secretary or the Director; and upon request of an employee or former employee, to a physician designated by the employee or to a new employer.

(iii) Any physician who conducts a medical examination required by this paragraph shall furnish to the employer a statement of the employee's suitability for employment in the specific exposure.

§ 1910.93m beta-Propiolactone.

(a) *Scope and application.* (1) This section applies to any area in which beta-Propiolactone, Chemical Abstracts Service Registry Number 57578 is manufactured, processed, repackaged, released, handled, or stored, but shall not apply to transshipment in sealed containers, except for the labeling requirements under paragraphs (e)(2), (3), and (4) of this section.

(2) This section shall not apply to solid or liquid mixtures containing less than 1.0 percent by weight or volume of beta-Propiolactone.

(b) *Definitions.* For the purposes of this section: (1) "Absolute filter" is one capable of retaining 99.97 percent of a mono disperse aerosol of 0.3 μm particles.

(2) "Authorized employee" means an employee whose duties require him to be in the regulated area and who has been specifically assigned by the employer.

(3) "Clean change room" means a room where employees put on clean clothing and/or protective equipment in an environment free of beta-Propiolactone. The clean change room shall be

contiguous to and have an entry from a shower room, when the shower room facilities are otherwise required in this section.

(4) "Closed system" means an operation involving beta-Propiolactone where containment prevents the release of beta-Propiolactone into regulated areas, nonregulated areas, or the external environment.

(5) "Decontamination" means the inactivation of beta-Propiolactone or its safe disposal.

(6) "Director" means the Director, National Institute for Occupational Safety and Health, or any person directed by him or the Secretary of Health, Education, and Welfare to act for the Director.

(7) "Disposal" means the safe removal of beta-Propiolactone from the work environment.

(8) "Emergency" means an unforeseen circumstance or set of circumstances resulting in the release of beta-Propiolactone which may result in exposure to or contact with beta-Propiolactone.

(9) "External environment" means any environment external to regulated and nonregulated areas.

(10) "Isolated system" means a fully enclosed structure other than the vessel of containment of beta-Propiolactone, which is impervious to the passage of beta-Propiolactone, and which would prevent the entry of beta-Propiolactone into regulated areas, nonregulated areas, or the external environment, should leakage or spillage from the vessel of containment occur.

(11) "Laboratory type hood" is a device enclosed on three sides and the top and bottom, designed and maintained so as to draw air inward at an average linear face velocity of 150 feet per minute with a minimum of 125 feet per minute; designed, constructed, and maintained in such a way that an operation involving beta-Propiolactone within the hood does not require the insertion of any portion of any employees' body other than his hands and arms.

(12) "Nonregulated area" means any area under the control of the employer where entry and exit is neither restricted nor controlled.

(13) "Open-vessel system" means an operation involving beta-Propiolactone in an open vessel, which is not in an isolated system, a laboratory type hood, nor in any other system affording equivalent protection against the entry of beta-Propiolactone into regulated areas, nonregulated areas, or the external environment.

(14) "Protective clothing" means clothing designed to protect an employee against contact with or exposure to beta-Propiolactone.

(15) "Regulated area" means an area where entry and exit is restricted and controlled.

(c) *Requirements for areas containing beta-Propiolactone.* A regulated area shall be established by an employer where beta-Propiolactone is manufactured, processed, used, repackaged, released, handled or stored. All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved: (1) *Isolated systems.* Employees working with beta-Propiolactone within an isolated system, such as a "glove box" shall wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.

(2) *Closed system operation.* Within regulated areas where beta-Propiolactone is stored in sealed containers, or contained in a closed system, including piping systems, with any sample ports or openings closed while beta-propiolactone is contained within. Access shall be restricted to authorized employees only.

(3) *Open vessel system operations.* Open vessel system operations as defined in paragraph (b)(13) of this section are prohibited.

(4) *Transfer from a closed system, charging or discharging point operations, or otherwise opening a closed system.* In operations involving "laboratory type hoods," or in locations where beta-Propiolactone is contained in an otherwise "closed system," but is transferred, charged, or discharged into other normally closed containers, the provisions of this subparagraph shall apply. (i) Access shal be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), shoe covers and gloves prior to entering the regulated area.

(iv) Employees engaged in beta-Propiolactone handling operations shall be provided with and required to wear and use a fullface, supplied air respirator, of the continuous flow or pressure-demand type, in accordance with § 1910.134.

(v) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under paragraphs (e)(2), (3), and (4) of this section.

(vi) Drinking fountains are prohibited in the regulated area.

(5) *Maintenance and decontamination activities.* In cleanup of leaks or spills, maintenance or repair operations on contaminated systems or equipment, where direct contact with beta-propiolactone could result, each authorized employee entering that area shall: (i) Be provided with and required to wear a clean, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with § 1910.134.

(ii) Be decontaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(6) *Laboratory activities.* The requirements of this subparagraph shall apply to research and quality control activities involving the use of beta-Propiolactone. (i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surfaces on which beta-Propiolactone is handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious containers which are closed and decontaminated prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of beta-Propiolactone shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high-efficiency scrubbers.

(viii) Employees engaged in animal support activities shall be (*a*) provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory protective equipment or devices; and

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be (*a*) provided with and required to wear a clean change of appropriate laboratory clothing, such as a solid front gown, surgical scrub suit, or fully buttoned laboratory coat.

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall

be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(c) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where beta-Propiolactone is handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of beta-Propiolactone shall be maintained.

(xii) Ventilated apparatus such as laboratory type hoods, shall be tested at least semi-annually or immediately after ventilation modification or maintenance operations, by personnel fully qualified to certify correct containment and operation.

(d) *General regulated area requirements*—(1) *Employee identification.* A daily roster of employees entering regulated areas shall be established and maintained. The rosters or a summary of the rosters, shall be retained for a period of 20 years. The rosters and/or summaries shall be provided upon request to authorized representatives of the Assistant Secretary and the Director. In the event that the employer ceases business without a successor, rosters shall be forwarded by registered mail to the Director.

(2) *Emergencies.* In an emergency, immediate measures including, but not limited to, the requirements of subdivisions (i), (ii), (iii), (iv), and (v) of this subparagraph shall be implemented. (i) The potentially affected area shall be implemented. (i) The potentially affected area shall be evacuated as soon as the emergency has been determined.

(ii) Hazardous conditions created by the emergency shall be eliminated and the potentially affected area shall be decontaminated prior to the resumption of normal operations.

(iii) Special medical surveillance by a physician shall be instituted within 24 hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with paragraph (f)(2) of this section.

(iv) Where an employee has a known contact with beta-Propiolactone, such employee shall be required to shower as soon as possible, unless contraindicated by physical injuries.

(v) An incident report on the emergency shall be reported as provided in paragraph (f)(2) of this section.

(vi) Emergency deluge showers and eyewash fountains supplied with running potable water shall be located near, within sight of, and on the same level with locations where a direct exposure to beta-Propiolactone would be most likely as a result of equipment failure, or improper work practice.

(3) *Hygiene facilities and practices.* (i) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(ii) Where employees wear protective clothing and equipment clean change rooms shall be provided, in accordance with § 1910.141(e), for the number of such employees required to change clothes.

(iii) Where toilets are in regulated areas, such toilets shall be in a separate room.

(iv) Where employees are required by this section to wash, washing facilities shall be provided in accordance with § 1910.141(d)(1) and (2)(ii) through (vii).

(v) Where employees are required by this section to shower, shower facilities shall be provided in accordance with § 1910.141(d)(3).

(4) *Contamination control.* (i) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas. Local exhaust ventilation may be used to satisfy this requirement. Clean makeup air in equal volume shall replace air removed.

(ii) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner that does not cause contamination in nonregulated areas or the external environment.

(iii) Decontamination procedures shall be established and implemented to remove beta-Propiolactone from the surfaces of materials, equipment and the decontamination facility.

(e) *Signs, information and training*—

(1) *Signs.* (i) Entrances to regulated areas shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT

AUTHORIZED PERSONNEL ONLY

(ii) Entrances to regulated areas containing operations covered in paragraph (c)(5) of this section shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT EXPOSED IN THIS AREA IMPERVIOUS SUIT INCLUDING GLOVES, BOOTS, AND AIR-SUPPLIED HOOD REQUIRED AT ALL TIMES AUTHORIZED PERSONNEL ONLY

(iii) Appropriate signs and instructions shall be posted at the entrance to, and exit from, regulated areas, informing employees of the procedures that must be followed in entering and leaving a regulated area.

(2) *Container contents identification.* (i) Containers of beta-Propiolactone and containers required under paragraphs (c)(4)(v) and (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible only to, and handled only by, authorized employees, or by other employees trained in accordance with subparagraph (5) of this paragraph, may have contents identification limited to a generic or proprietary name, or other proprietary identification, of the carcinogen and percent.

(ii) Containers of beta-Propiolactone and containers required under paragraphs (c)(4)(v), (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible to, or handled by employees other than authorized employees or employees trained in accordance with subparagraph (5) of this paragraph shall have contents identification which includes the full chemical name and Chemical Abstracts Service Registry number as listed in paragraph (a)(1) of this section.

(iii) Containers shall have the warning words "CANCER-SUSPECT AGENT" displayed immediately under or adjacent to the contents identification.

(iv) Containers which have beta-Propiolactone contents with corrosive or irritating properties shall have label statements warning of such hazards, noting, if appropriate, particularly sensitive or affected portions of the body.

(3) *Lettering.* Lettering on signs and instructions required by subparagraph (1) shall be a minimum letter height of 2 inches. Labels on containers required under this section shall not be less than ½ the size of the largest lettering on the package, and not less than 8 point type in any instance: *Provided,* That no such required lettering need be more than 1 inch in height.

(4) *Prohibited statements.* No statement shall appear on or near any required sign, label, or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(5) *Training and indoctrination.* (i) Each employee prior to being authorized to enter a regulated area, shall receive a training and indoctrination program including, but not necessarily limited to: (*a*) The nature of the carcinogenic hazards of beta-Propiolactone, including local and systemic toxicity;

(*b*) The specific nature of the operation involving beta-Propiolactone which could result in exposure;

(*c*) The purpose for and application of the medical surveillance program, including, as appropriate, methods of self-examination;

(*d*) The purpose for and application of decontamination practices and purposes;

(*e*) The purpose for and significance of emergency practices and procedures;

(*f*) The employee's specific role in emergency procedures;

(*g*) Specific information to aid the employee in recognition and evaluation of conditions and situations which may result in the release of beta-Propiolactone;

(*h*) The purpose for and application of specific first aid procedures and practices;

(*i*) A review of this section at the employee's first training and indoctrination program and annually thereafter.

(ii) Specific emergency procedures shall be prescribed, and posted, and employees shall be familiarized with their terms, and rehearsed in their application.

(iii) All materials relating to the program shall be provided upon request to authorized representatives of the Assistant Secretary and the Director.

(f) *Reports*—(1) *Operations.* Not later than March 1, 1974, the information required in subdivisions (i), (ii), (iii), and (iv) of this subparagraph shall be reported in writing to the nearest OSHA Area Director. Any changes in such information shall be similarly reported in writing within 15 calendar days of such change. (i) A brief description and inplant location of the area(s) regulated and the address of each regulated area;

(ii) The name(s) and other identifying information as to the presence of beta-Propiolatcone in each regulated area;

(iii) The number of employees in each regulated area, during normal operations including maintenance activities and

(iv) The manner in which beta-Propiolactone is present in each regulated area; e.g. whether it is manufactured, processed, used, repackaged, released, stored, or otherwise handled.

(2) *Incidents.* Incidents which result in the release of beta-Propiolactone into any area where employees may be potentially exposed shall be reported in accordance with this subparagraph. (i) A report of the occurrence of the incident and the facts obtainable at that time including a report on any medical treatment of affected employees shall be made within 24 hours to the nearest OSHA Area Director.

(ii) A written report shall be filed with the nearest OSHA Area Director within 15 calendar days thereafter and shall include: (*a*) A specification of the amount of material released, the amount of time involved, and an explanation of the procedure used in determining this figure;

(*b*) A description of the area involved, and the extent of known and possible employee exposure and area contamination, and

(*c*) A report of any medical treatment of affected employees, and any medical surveillance program implemented; and

(*d*) An analysis of the circumstances of the incident, and measures taken or to be taken, with specific completion dates, to avoid further similar releases.

(g) *Medical surveillance.* At no cost to the employee, a program of medical surveillance shall be established and implemented for employees considered for assignment to enter regulated areas, and for authorized employees. (1) *Examinations.* (i) Before an employee is assigned to enter a regulated area, a preassignment physical examination by a physician shall be provided. The examination shall include the personal history of the employee, family and occupational background, including genetic and environmental factors.

(ii) Authorized employees shall be provided periodic physical examinations, not less often than annually, following the preassignment examination.

(iii) In all physical examinations, the examining physician shall consider whether there exist conditions of increased risk, including reduced immunological competence, those undergoing treatment with steroids or cytotoxic agent, pregnancy and cigarette smoking.

(2) *Records.* (i) Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be maintained for the duration of the employee's employment. Upon termination of the employee's employment, including retiremnt or death, or in the event that the employer ceases business without a successor, records, or notarized true copies thereof, shall be forwarded by registered mail to the Director.

(ii) Records required by this paragraph shall be provided upon request to authorized representatives of the Assistant Secretary or the Director; and upon request of an employee or former employee, to a physician designated by the employee or to a new employer.

(iii) Any physician who conducts a medical examination required by this paragraph shall furnish to the employer a statement of the employee's suitability for employment in the specific exposure.

§ 1910.93n 2-Acetylaminofluorene.

(a) *Scope and application.* (1) This section applies to any area in which 2-Acetylaminofluorene, Chemical Abstracts Service Registry Number 53963 is manufactured, processed, repackaged, released, handled, or stored, but shall not apply to transshipment in sealed containers, except for the labeling requirements under paragraphs (e)(2), (3), and (4) of this section.

(2) This section shall not apply to solid or liquid mixtures containing less than 1.0 percent by weight or volume of 2-Acetylamino fluorene .

(b) *Definitions.* For the purposes of this section: (1) "Absolute filter" is one capable of retaining 99.97 percent of a mono disperse aerosol of 0.3 μm particles.

(2) "Authorized employee" means an employee who duties require him to be in the regulated area and who has been specifically assigned by the employer.

(3) "Clean change room" means a room where employees put on clean clothing and/or protective equipment in an environment free of 2-Acetylaminofluorene. The clean change room shall be contiguous to and have an entry from a shower room, when the shower room facilities are otherwise required in this section.

(4) "Closed system" means an operation involving 2-Acetylaminofluorene where containment prevents the release of 2-Acetylaminofluorene into regulated areas, nonregulated areas, or the external environment.

(5) "Decontamination" means the inactivation of 2-Acetylaminofluorene or its safe disposal.

(6) "Director" means the Director, National Institute for Occupational Safety and Health, or any person directed by him or the Secretary of Health, Education, and Welfare to act for the Director.

(7) "Disposal" means the safe removal of 2-Acetylaminofluorene from the work environment.

(8) "Emergency" means an unforeseen circumstance or set of circumstances resulting in the release of 2-Acetylaminofluorene which may result in exposure to or contact with 2-Acetylaminofluorene.

(9) "External environment" means any environment external to regulated and nonregulated areas.

(10) "Isolated system" means a fully enclosed structure other than the vessel of containment of 2-Acetylaminofluorene, which is impervious to the passage of 2-Acetylaminofluorene, and which would prevent the entry of 2-Acetylaminofluorene into regulated areas, nonregulated areas, or the external environment, should leakage or spillage from the vessel of containment occur.

(11) "Laboratory type hood" is a device enclosed on three sides and the top and bottom, designed and maintained so as to draw air inward at an average linear face velocity of 150 feet per minute with a minimum of 125 feet per minute; designed, constructed, and maintained in such a way that an operation involving 2-Acetylaminofluorene within the hood does not require the insertion of any portion of any employees' body other than his hands and arms.

(12) "Nonregulated area" means any area under the control of the employer where entry and exit is neither restricted nor controlled.

(13) "Open-vessel system" means an operation involving 2-Acetylaminofluorene in an open vessel, which is not in an isolated system, a laboratory type hood, nor in any other system affording equivalent protection against the entry of 2-Acetylaminofluorene into regulated areas, nonregulated areas, or the external environment.

(14) "Protective clothing" means clothing designed to protect an employee against contact with or exposure to 2-Acetylaminofluorene.

(15) "Regulated area" means an area where entry and exit is restricted and controlled.

(c) *Requirements for areas containing 2-Acetylaminofluorene.* A regulated area shall be established by an employer where 2-Acetylaminofluorene is manufactured, processed, used, repackaged, released, handled or stored. All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved: (1) *Isolated systems.* Employees working with 2-Acetylaminofluorene within an isolated system, such as a "glove box" shall wash their hands and arms upon completion of the assigned

task and before engaging in other activities not associated with the isolated system.

(2) *Closed system operation.* Within regulated areas where 2-Acetylaminofluorene is stored in sealed containers, or contained in a closed system, including piping systems, with any sample ports or openings closed while 2-Acetylaminofluorene is contained within: (i) Access shall be restricted to authorized employees only;

(ii) Employees shall be required to wash hands, forearms, face and neck upon each exit from the regulated areas, close to the point of exit and before engaging in other activities.

(3) *Open vessel system operations.* Open vessel system operations as defined in paragraph (b)(13) of this section are prohibited.

(4) *Transfer from a closed system, charging or discharging point operations, or otherwise opening a closed system.* In operations involving "laboratory type hoods," or in locations where 2-Acetylaminofluorene is contained in an otherwise "closed system," but is transferred, charged, or discharged into other normally closed containers, the provisions of this subparagraph shall apply. (i) Access shall be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), shoe covers and gloves prior to entering the regulated area.

(iv) Employees engaged in 2-Acetylaminofluorene handling operations shall be provided with and required to wear and use a half-face, filter-type respirator for dusts, mists, and fumes, in accordance with § 1910.134. A respirator affording higher levels of protection may be substituted.

(v) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under paragraphs (e)(2), (3), and (4) of this section.

(vi) Employees shall be required to wash hands, forearms, face and neck on each exit from the regulated area, close to the point of exit, and before engaging in other activities.

(vii) Employees shall be required to shower after the last exit of the day.

(viii) Drinking fountains are prohibited in the regulated area.

(5) *Maintenance and decontamination activities.* In cleanup of leaks or spills, maintenance or repair operations on contaminated systems or equipment, where direct contact with 2-Acetylaminofluorene could result, each authorized employee entering that area shall: (i) Be provided with and required to wear clean, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with § 1910.134.

(ii) Be decontaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(6) *Laboratory activities.* The requirements of this subparagraph shall apply to research and quality control activities involving the use of 2-Acetylaminofluorene. (i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surfaces on which 2-Acetylaminofluorene is handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious containers which are closed and decontaminated prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of 2-Acetylaminofluorene shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high-efficiency scrubbers or with disposable absolute filters.

(vii) Employees engaged in animal support activities shall be (*a*) provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory equipment or devices; and

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities; and

(*d*) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be (*a*) provided with and required to wear a clean change of appropriate laboratory clothing, such as a solid front gown, surgical scrub suit, or fully buttoned laboratory coat.

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where 2-Acetylaminofluorene is handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of 2-Acetylaminofluorene shall be maintained.

(xii) Ventilated apparatus such as laboratory type hoods, shall be tested at least semi-annually or immediately after ventilation modification or maintenance operations, by personnel fully qualified to certify correct containment and operation.

(d) *General regulated area requirements.*—(1) *Employee identification.* A daily roster of employees entering regulated areas shall be established and maintained. The rosters or a summary of the rosters, shall be retained for a period of 20 years. The rosters and/or summaries shall be provided upon request to authorized representatives of the Assistant Secretary and the Director. In the event that the employer ceases business without a successor, rosters shall be forwarded by registered mail to the Director.

(2) *Emergencies.* In an emergency, immediate measures including, but not limited to, the requirements of subdivisions (i), (ii), (iii), (iv), and (v) of this subparagraph shall be implemented. (i) The potentially affected area shall be evacuated as soon as the emergency has been determined.

(ii) Hazardous conditions created by the emergency shall be eliminated and the potentially affected area shall be decontaminated prior to the resumption of normal operations.

(iii) Special medical surveillance by a physician shall be instituted within 24 hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with paragraph (f)(2) of this section.

(iv) Where an employee has a known contact with 2-Acetylaminofluorene, such employee shall be required to shower as soon as possible, unless contraindicated by physical injuries.

(v) An incident report on the emergency shall be reported as provided in paragraph (f)(2) of this section.

(3) *Hygiene facilities and practices.* (i) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(ii) Where employees are required by this section to wash, washing facilities shall be provided in accordance with § 1910.141(d)(1) and (2)(ii) through (vii).

(iii) Where employees are required by this section to shower, shower facilities shall be provided in accordance with § 1910.141(d)(3).

(iv) Where employees wear protective clothing and equipment clean change rooms shall be provided, in accordance with § 1910.141(e), for the number of such employees required to change clothes.

(v) Where toilets are in regulated areas, such toilets shall be in a separate room.

(4) *Contamination control.* (i) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas. Local exhaust ventilation may be used to satisfy this requirement. Clean make-up air in equal volume shall replace air removed.

(ii) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner that does not cause contamination in nonregulated areas or the external environment.

(iii) Decontamination procedures shall be established and implemented to remove 2-Acetylaminofluorene from the surfaces of materials, equipment and the decontamination facility.

(iv) Dry sweeping and dry mopping are prohibited.

(e) *Signs, information and training*—(1) *Signs.* (i) Entrances to regulated areas shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT
AUTHORIZED PERSONNEL ONLY

(ii) Entrances to regulated areas containing operations covered in paragraph (c)(5) of this section shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT EXPOSED IN THIS AREA IMPERVIOUS SUIT INCLUDING GLOVES, BOOTS, AND AIR-SUPPLIED HOOD REQUIRED AT ALL TIMES AUTHORIZED PERSONNEL ONLY

(iii) Appropriate signs and instructions shall be posted at the entrance to, and exit from, regulated areas, informing employees of the procedures that must be followed in entering and leaving a regulated area.

(2) *Container contents identification.* (i) Containers of 2-Acetylaminofluorene and containers required under paragraphs (c)(4)(v) and (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible only to, and handled only by, authorized employees, or by other employees trained in accordance with subparagraph (5) of this paragraph, may have contents identification limited to a generic or proprietary name, or other proprietary identification, of the carcinogen and percent.

(ii) Containers of 2-Acetylaminofluorene and containers required under paragraphs (c)(4)(v), (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible to, or handled by employees other than authorized employees or employees trained in accordance with subparagraph (5) of this paragraph shall have contents identification which includes the full chemical name and Chemical Abstracts Service Registry number as listed in paragraph (a)(1) of this section.

(iii) Containers shall have the warning words "CANCER-SUSPECT AGENT" displayed immediately under or adjacent to the contents identification.

(iv) Containers which have 2-Acetylaminofluorene contents with corrosive or irritating properties shall have label statements warning of such hazards, noting, if appropriate, particularly sensitive or affected portions of the body.

(3) *Lettering.* Lettering on signs and instructions required by subparagraph (1) shall be a minimum letter height of 2 inches. Labels on containers required under this section shall not be less than ½ the size of the largest lettering on the package, and not less than 8 point type in any instance; *Provided,* That no such required lettering need be more than 1 inch height.

(4) *Prohibited statements.* No statement shall appear on or near any required sign, label, or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(5) *Training and indoctrination.* (i) Each employee prior to being authorized to enter a regulated area, shall receive a training and indoctrination program including, but not necessarily limited to: (*a*) The nature of the carcinogenic hazards of 2-Acetylaminofluorene, including local and systemic toxicity;

(*b*) The specific nature of the operation involving 2-Acetylaminofluorene which could result in exposure;

(*c*) The purpose for and application of the medical surveillance program, including, as appropriate, methods of self-examination;

(*d*) The purpose for and application of decontamination practices and purposes;

(*e*) The purpose for and significance of emergency practices and procedures;

(*f*) The employee's specific role in emergency procedures;

(*g*) Specific information to aid the employee in recognition and evaluation of conditions and situations which may result in the release of 2-Acetylaminofluorene;

(*h*) The purpose for and application of specific first aid procedures and practices;

(*i*) A review of this section at the employee's first training and indoctrination program and annually thereafter.

(ii) Specific emergency procedures shall be prescribed, and posted, and employees, shall be familiarized with their terms, and rehearsed in their application.

(iii) All materials relating to the program shall be provided upon request to authorized representatives of the Assistant Secretary and the Director.

(f) *Reports*—(1) *Operations.* Not later than March 1, 1974, the information required in subdivisions (i), (ii), (iii), and (iv) of this subparagraph shall be reported in writing to the nearest OSHA Area Director. Any changes in such information shall be similarly reported in writing within 15 calendar days of such change. (i) A brief description and in-plant location of the area(s) regulated and the address of each regulated area;

(ii) The name(s) and other identifying information as to the presence of 2-Acetylaminofluorene in each regulated area;

(iii) The number of employees in each regulated area, during normal operations including maintenance activities and

(iv) The manner in which 2-Acetylaminofluorene is present in each regulated area; e.g. whether it is manufactured, processed, used, repackaged, released, stored, or otherwise handled.

(2) *Incidents.* Incidents which result in the release of 2-Acetylaminofluorene into any area where employees may be potentially exposed shall be reported in accordance with this subparagraph. (i) A report of the occurrence of the incident and the facts obtainable at that time including a report on any medical treatment of affected employees shall be made within 24 hours to the nearest OSHA Area Director.

(ii) A written report shall be filed with the nearest OSHA Area Director within 15 calendar days thereafter and shall include:

(*a*) A specification of the amount of material released, the amount of time involved, and an explanation of the procedure used in determining this figure;

(*b*) A description of the area involved, and the extent of known and possible employee exposure and area contamination, and

(*c*) A report of any medical treatment of affected employees, and any medical surveillance program implemented; and

(*d*) An analysis of the circumstances of the incident, and measures taken or to be taken, with specific completion dates, to avoid further similar releases.

(g) *Medical surveillance.* At no cost to the employee, a program of medical surveillance shall be established and implemented for employees considered for assignment to enter regulated areas, and for authorized employees. (1) *Examinations.* (i) Before an employee is assigned to enter a regulated area, a preassignment physical examination by a physician shall be provided. The examination shall include the personal history of the employee, family and occupational background, including genetic and environmental factors.

(ii) Authorized employees shall be provided periodic physical examinations, not less often than annually, following the preassignment examination.

(iii) In all physical examinations, the examining physician shall consider whether there exist conditions of increased risk, including reduced immunological competence, those undergoing treatment with steroids or cytotoxic agents, pregnancy and cigarette smoking.

(2) *Records.* (i) Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be maintained for the duration of the employee's employment. Upon termination of the employees' employment, including retirement or death, or in the event that the employer ceases business without a successor, records, or notarized true copies thereof, shall be forwarded by registered mail to the Director.

(ii) Records required by this paragraph shall be provided upon request to authorized representatives of the Assistant Secretary or the Director; and upon request of an employee or former employee, to a physician designated by the employee or to a new employer.

(iii) Any physician who conducts a medical examination required by this paragraph shall furnish to the employer a statement of the employee's suitability for employment in the specific exposure.

§ 1910.93o 4-Dimethylaminoazobenzene.

(a) *Scope and application.* (1) This section applies to any area in which 4-Dimethylaminoazobenzene, Chemical Abstracts Service Registry Number 60117 is manufactured, processed, repackaged, released, handled, or stored, but shall not apply to transshipment in sealed containers, except for the labeling requirements under paragraphs (e)(2), (3), and (4) of this section.

(2) This section shall not apply to solid or liquid mixtures containing less than 1.0 percent by weight or volume of 4-Dimethylaminoazobenzene.

(b) *Definitions.* For the purposes of this section: (1) "Absolute filter" is one capable of retaining 99.97 percent of a mono disperse aerosol of 0.3 μm particles.

(2) "Authorized employee" means an employee whose duties require him to be in the regulated area and who has been specifically assigned by the employer.

(3) "Clean change room" means a room where employees put on clean clothing and/or protective equipment in an environment free of 4-Dimethylaminoabenzene. The clean change room shall be contiguous to and have an entry from a shower room, when the shower room facilities are otherwise required in this section.

(4) "Closed system" means an operation involving 4-Dimethylaminoazobenzene where containment prevents the release of into regulated areas, nonregulated areas, or the external environment.

(5) "Decontamination" means the inactivation of 4-Dimethylaminoazobenzene or its safe disposal.

(6) "Director" means the Director, National Institute for Occupational Safety and Health, or any person directed by him or the Secretary of Health, Education, and Welfare to act for the Director.

(7) "Disposal" means the safe removal of 4-Dimethylaminoazobenzene from the work environment.

(8) "Emergency" means an unforeseen circumstance or set of circumstances resulting in the release of 4-Dimethylaminoazobenzene which may result in exposure to or contact with 4-Dimethylaminoazobenzene.

(9) "External environment" means any environment external to regulated and nonregulated areas.

(10) "Isolated system" means a fully enclosed structure other than the vessel of containment 4-Dimethylaminoazobenzene, which is impervious to the passage of 4-Dimethylaminoabenzene which would prevent the entry of 4-Dimethylaminoazobenzene into regulated areas, nonregulated areas, or the external environment, should leakage or spillage from the vessel of containment occur.

(11) "Laboratory type hood" is a device enclosed on three sides and the top and bottom, designed and maintained so as to draw air inward at an average linear face velocity of 150 feet per minute with a minimum of 125 feet per minute; designed, constructed, and maintained in such a way that an operation involving 4-Dimethylaminoazobenzene within the hood does not require the insertion of any portion of any employees' body other than his hands and arms.

(12) "Nonregulated area" means any area under the control of the employer where entry and exit is neither restricted nor controlled.

(13) "Open-vessel system" means an operation involving 4-Dimethylaminoabenzene in an open vessel, which is not in an isolated system, a laboratory type hood, nor in any other system affording equivalent protection against the entry of 4-Dimethylaminoazobenzene into regulated areas, nonregulated areas, or the external environment.

(14) "Protective clothing" means clothing designed to protect an employee against contact with or exposure to 4-Dimethylaminoazobenzene.

(15) "Regulated area" means an area where entry and exit is restricted and controlled.

(c) *Requirements for areas containing 4-Dimethylaminoazobenzene.* A regulated area shall be established by an employer where 4-Dimethylaminoazobenzene is manufactured, processed, used, repackaged, released, handled or stored. All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved: (1) *Isolated systems.* Employees working with 4-Dimethylaminoazobenzene within an isolated system, such as a "glove box" shall wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.

(2) *Closed system operation.* Within regulated areas where 4-Dimethylaminoazobenzene is stored in sealed containers, or contained in a closed system, including piping systems, with any sample ports or openings closed while 4-Dimethylaminoazobenzene is contained within: (i) Access shall be restricted to authorized employees only;

(ii) Employees shall be required to wash hands, forearms, face and neck upon each exit from the regulated areas, close to the point of exit and before engaging in other activities.

(3) *Open vessel system operations.* Open vessel system operations as defined in paragraph (b)(13) of this section are prohibited.

(4) *Transfer from a closed system, charging or discharging point operations, or otherwise opening a closed system.* In operations involving "laboratory type hoods," or in locations where 4-Dimethylaminoazobenzene is contained in an otherwise "closed system," but is transferred, charged, or discharged into other normally closed containers, the provisions of this subparagraph shall apply. (i) Access shall be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), shoe covers, and gloves prior to entering the regulated area.

(iv) Employees engaged in 4-Dimethylaminoazobenzene handling operations shall be provided with and required to wear and use a half-face, filter-type respirator for dusts, mists, and fumes, in accordance with § 1910.134. A respirator affording higher levels of protection may be substituted.

(v) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under paragraphs (e)(2), (3), and (4) of this section.

(vi) Employees shall be required to wash hands, forearms, face and neck on each exit from the regulated area, close to the point of exit, and before engaging in other activities.

(vii) Employees shall be required to shower after the last exist of the day.

(viii) Drinking fountains are prohibited in the regulated area.

(5) *Maintenance and decontamination activities.* In cleanup of leaks or spills, maintenance or repair operations on contaminated systems or equipment, where direct contact with 4-Dimethylaminoazobenzene could result, each authorized employee entering that area shall: (i) Be provided with and required to wear clear, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with § 1910.134.

(ii) Be decontaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(6) *Laboratory activities.* The requirements of this subparagraph shall apply to research and quality control activities involving the use of 4-Dimethylaminoazobenzene. (i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surface on which 4-Dimethylaminoazobenzene is handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious containers which are closed and decontaminated prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of 4-Dimethylaminoazobenzene shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high-efficiency srubbers or with disposable absolute filters.

(vii) Employees engaged in animal support activities shall be (*a*) provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory protective equipment or devices; and

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e) (2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities; and

(*d*) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be (*a*) provided with and required to wear a clean change of appropriate laboratory clothing, such as a solid front gown, surgical scrub suit, or fully buttoned laboratory coat.

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e) (2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where 4-Dimethylaminoazobenzene is handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of 4-Dimethylaminoazobenzene shall be maintained.

(xii) Ventilated apparatus such as laboratory type hoods, shall be tested at least semi-annually or immediately after ventilation modification or maintenance operations, by personnel fully qualified to certify correct containment and operation.

(d) *General regulated area requirements*—(1) *Employee identification.* A daily roster of employees entering regulated areas shall be established and maintained. The rosters or a summary of the rosters, shall be retained for a period of 20 years. The rosters and/or summaries shall be provided upon request to authorized representatives of the Assistant Secretary and the Director. In the event that the employer ceases business without a successor, rosters shall be forwarded by registered mail to the Director.

(2) *Emergencies.* In an emergency, immediate measures including, but not limited to, the requirements of subdivisions (i), (ii), (iii), (iv), and (v) of this subparagraph shall be implemented. (i) The potentially affected area shall be evacuated as soon as the emergency has been determined.

(ii) Hazardous conditions created by the emergency shall be eliminated and the potentially affected area shall be decontaminated prior to the resumption of normal operations.

(iii) Special medical surveillance by a physician shall be instituted within 24 hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with paragraph (f)(2) of this section.

(iv) Where an employee has a known contact with 4-Dimethylaminoazobenzene, such employee shall be required to shower as soon as possible, unless contraindicated by physical injuries.

(v) An incident report on the emergency shall be reported as provided in paragraph (f)(2) of this section.

(3) *Hygiene facilities and practices.* (i) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(ii) Where employees are required by this section to wash, washing facilities shall be provided in accordance with § 1910.141(d)(1) and (2)(ii) through (vii).

(iii) Where employees are required by this section to shower, shower facilities shall be provided in accordance with § 1910.141(d)(3).

(iv) Where employees wear protective clothing and equipment clean change rooms shall be provided, in accordance with § 1910.141(e), for the number of such employees required to change clothes.

(v) Where toilets are in regulated areas, such toilets shall be in a separate room.

(4) *Contamination control.* (i) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas. Local exhaust ventilation may be used to satisfy this requirement. Clean makeup air in equal volume shall replace air removed.

(ii) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner that does not cause contamination in nonregulated areas or the external environment.

(iii) Decontamination procedures shall be established and implemented to remove 4-Dimethylaminoazobenzene from the surfaces of materials, equipment and the decontamination facility.

(iv) Dry sweeping and dry mopping are prohibited.

(e) *Signs, information and training*—(1) *Signs.* (i) Entrances to regulated areas shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT
AUTHORIZED PERSONNEL ONLY

(ii) Entrances to regulated areas containing operations covered in paragraph (c)(5) of this section shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT EXPOSED IN THIS AREA IMPERVIOUS SUIT INCLUDING GLOVES, BOOTS, AND AIR-SUPPLIED HOOD REQUIRED AT ALL TIMES, AUTHORIZED PERSONNEL ONLY

(iii) Appropriate signs and instructions shall be posted at the entrance to, and exit from, regulated areas, informing employees of the procedures that must be followed in entering and leaving a regulated area.

(2) *Container contents identification.* (i) Containers or 4-Dimethylaminoazobenzene and containers required under paragraphs (c)(4)(v) and (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible only to, and

handled only by, authorized employees, or by other employees trained in accordance with subparagraph (5) of this paragraph, may have contents identification limited to a generic or proprietary name, or other proprietary identification, of the carcinogen and percent.

(ii) Containers of 4-Dimethylaminoazobenzene and containers required under paragraphs (c)(4)(v), (c)(6)(vii)(b), and (c)(6)(viii)(b) of this section which are accessible to, or handled by employees other than authorized employees or employees trained in accordance with subparagraph (5) of this paragraph shall have contents identification which includes the full chemical name and Chemical Abstracts Service Registry number as listed in paragraph (a)(1) of this section.

(iii) Containers shall have the warning words "CANCER-SUSPECT AGENT" displayed immediately under or adjacent to the contents identification.

(iv) Containers which have 4-Dimethylaminoazobenzene contents with corrosive or irritating properties shall have label statements warning of such hazards, noting, if appropriate, particularly sensitive or affected portions of the body.

(3) *Lettering.* Lettering on signs and instructions required by subparagraph (1) of this paragraph shall be a minimum letter height of 2 inches. Labels on containers required under this section shall not be less than ½ the size of the largest lettering on the package, and not less than 8 point type in any instance: *Provided,* That no such required lettering need be more than 1 inch in height.

(4) *Prohibited statements.* No statement shall appear on or near any required sign, label, or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(5) *Training and indoctrination.* (i) Each employee prior to being authorized to enter a regulated area, shall receive a training and indoctrination program including, but not necessarily limited to: (*a*) The nature of the carcinogenic hazards of 4-Dimethylaminoazobenzene, including local and systemic toxicity;

(*b*) The specific nature of the operation involving 4-Dimethylaminoazobenzene which could result in exposure;

(*c*) The purpose for and application of the medical surveillance program, including, as appropriate, methods of self-examination;

(*d*) The purpose for and application of decontamination practices and purposes;

(*e*) The purpose for and significance of emergency practices and procedures;

(*f*) The employee's specific role in emergency procedures;

(*g*) Specific information to aid the employee in recognition and evaluation of conditions and situations which may result in the release of 4-Dimethylaminoazobenzene;

(*h*) The purpose for and application of specific first aid procedures and practices;

(*i*) A review of this section at the employee's first training and indoctrination program and annually thereafter.

(ii) Specific emergency procedures shall be prescribed, and posted, and employees, shall be familiarized with their terms, and rehearsed in their application.

(iii) All materials relating to the program shall be provided upon request to authorized representatives of the Assistant Secretary and the Director.

(f) *Reports*—(1) *Operations.* Not later than March 1, 1974, the information required in subdivisions (i), (ii), (iii), and (iv) of this subparagraph shall be reported in writing to the nearest OSHA Area Director. Any changes in such information shall be similarly reported in writing within 15 calendar days of such change. (i) A brief description and in-plant location of the area(s) regulated and the address of each regulated area;

(ii) The name(s) and other identifying information as to the presence of 4-Dimethylaminoazobenzene in each regulated area;

(iii) The number of employees in each regulated area, during normal operations including maintenance activities and

(iv) The manner in which 4-Dimethylaminoazobenzene is present in each regulated area; e.g. whether it is manufactured, processed, used, repackaged, released, stored, or otherwise handled.

(2) *Incidents.* Incidents which result in the release of 4-Dimethylaminoazobenzene into any area where employees may be potentially exposed shall be reported in accordance with this subparagraph. (i) A report of the occurrence of the incident and the facts obtainable at that time including a report on any medical treatment of affected employees shall be made within 24 hours to the nearest OSHA Area Director.

(ii) A written report shall be filed with the nearest OSHA Area Director within 15 calendar days thereafter and shall include: (*a*) A specification of the amount of material released, the amount of time involved, and an explanation of the procedure used in determining this figure;

(*b*) A description of the area involved, and the extent of known and possible employee exposure and area contamination, and

(*c*) A report of any medical treatment of affected employees, and any medical surveillance program implemented; and

(*d*) An analysis of the circumstances of the incident, and measures taken or to be taken, with specific completion dates, to avoid further similar releases.

(g) *Medical surveillance.* At no cost to the employee, a program of medical surveillance shall be established and implemented for employees considered for assignment to enter regulated areas, and for authorized employees. (1) *Examinations.* (i) Before an employee is assigned to enter a regulated area, a preassignment physical examination by a physician shall be provided. The examination shall include the personal history of the employee, family and occupational background, including genetic and environmental factors.

(ii) Authorized employees shall be provided periodic physical examinations, not less often than annually, following the preassignment examination.

(iii) In all physical examinations, the examining physician shall consider whether there exist conditions of increased risk, including reduced immunological competence, those undergoing treatment with steroids or cytotoxic agents, pregnancy and cigarette smoking.

(2) *Records.* (i) Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be maintained for the duration of the employee's employment. Upon termination of the employee's employment, including retirement or death, or in the event that the employer ceases business without a successor, records, or notarized true copies thereof, shall be forwarded by registered mail to the Director.

(ii) Records required by this paragraph shall be provided upon request to authorized representatives of the Assistant Secretary or the Director; and upon request of an employee or former employee, to a physician designated by the employee or to a new employer.

(iii) Any physician who conducts a medical examination required by this paragraph shall furnish to the employer a statement of the employee's suitability for employment in the specific exposure.

§ 1910.93p N-Nitrosodimethylamine.

(a) *Scope and application.* (1) This section applies to any area in which N-Nitrosodimethylamine, Chemical Abstracts Service Registry Number 62759 is manufactured, processed, repackaged, released, handled, or stored, but shall not apply to transshipment in sealed containers, except for the labeling requirements under paragraphs (e)(2), (3), and (4) of this section.

(2) This section shall not apply to solid or liquid mixtures containing less than 1.0% by weight or volume of N-Nitrosodimethylamine.

(b) *Definitions.* For the purposes of this section: (1) "Absolute filter" is one capable of retaining 99.97 percent of a mono disperse aerosol of 0.3 μm particles.

(2) "Authorized employee" means an employee whose duties require him to be in the regulated area and who has been specifically assigned by the employer.

(3) "Clean change room" means a room where employees put on clean clothing and/or protective equipment in an environment free of N-Nitrosodimethylamine. The clean change room shall be contiguous to and have an entry from a shower room, when the shower room facilities are otherwise required in this section.

(4) "Closed system" means an operation involving N-Nitrosodimethylamine where containment prevents the release of N-Nitrosodimethylamine into regulated areas, nonregulated areas, or the external environment.

(5) "Decontamination" means the inactivation of N-Nitrosodimethylamine or its safe disposal.

(6) "Director" means the Director, National Institute for Occupational Safety and Health, or any person directed by him or the Secretary of Health, Education, and Welfare to act for the Director.

(7) "Disposal" means the safe removal of N-Nitrosodimethylamine from the work environment.

(8) "Emergency" means circumstance or set of circumstances resulting in the release of N-Nitrosodimethylamine which may result in exposure to or contact with N-Nitrosodimethylamine.

(9) "External environment" means any environment external to regulated and nonregulated areas.

(10) "Isolated system" means a fully enclosed structure other than the vessel of containment of N-nitrosodimethylamine, which is impervious to the passage of N-Nitrosodimethylamine, and which would prevent the entry of N-Nitrosodimethylamine into regulated areas, nonregulated areas, or the external environment, should leakage or spillage from the vessel of containment occur.

(11) "Laboratory type hood" is a device enclosed on three sides and the top and buttom, designed and maintained so as to draw air inward at an average linear face velocity of 150 feet per minute with a minimum of 125 feet per minute; designed, constructed, and maintained in such a way that an operation involving N-Nitrosodimethylamine within the hood does not require the insertion of any portion of any employees' body other than his hands and arms.

(12) "Nonregulated area" means any area under the control of the employer where entry and exit is neither restricted nor controlled.

(13) "Open-vessel system" means an operation involving N-Nitrosodimethylamine in an open vessel, which is not in an isolated system, a laboratory type hood, nor in any other system affording equivalent protection against the entry of N-Nitrosodimethylamine into regulated areas, nonregulated areas, or the external environment.

(14) "Protective clothing" means clothing designed to protect an employee against contact with or exposure to N-Nitrosodimethylamine.

(15) "Regulated area" means an area where entry and exit is restricted and controlled.

(c) *Requirements for areas containing N-Nitrosodimethylamine.* A regulated area shall be established by an employer where N-Nitrosodimethylamine is manufactured, processed, used, repackaged, released, handled or stored. All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved: (1) *Isolated systems.* Employees working with N-Nitrosodimethylamine within an isolated system, such as a "glove box" shall wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.

(2) *Closed system operation.* Within regulated areas where N-Nitrosodimethylamine is stored in sealed containers, or contained in a closed system, including piping systems, with any sample ports or openings closed while N-Nitrosodimethylamine is contained within: (i) Access shall be restricted to authorized employees only;

(ii) Employees shall be required to wash hands, forearms, face and neck upon each exit from the regulated areas, close to the point of exit and before engaging in other activities.

(3) *Open vessel system operations.* Open vessel system operations as defined in paragraph (b)(13) of this section are prohibited.

(4) *Transfer from a closed system, charging or discharging point operations, or otherwise opening a closed system.* In operations involving "laboratory type hoods," or in locations where N-Nitrosodimethylamine is contained in an otherwise "closed system," but is transferred, charged, or discharged into other normally closed containers, the provisions of this subparagraph shall apply. (i) Access shall be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), shoe covers, and gloves prior to entering the regulated area.

(iv) Employees engaged in N-Nitrosodimethylamine handling operations shall be provided with and required to wear and use a half-face, filter-type respirator for dusts, mists, and fumes, in accordance with § 1910.134. A respirator affording higher levels of protection may be substituted.

(v) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under paragraphs (e)(2), (3), and (4) of this section.

(vi) Employees shall be required to wash hands, forearms, face and neck on each exit from the regulated area, close to the point of exit, and before engaging in other activities.

(vii) Employees shall be required to shower after the last exit of the day.

(viii) Drinking fountains are prohibited in the regulated area.

(5) *Maintenance and decontamination activities.* In cleanup of leaks or spills, maintenance or repair operations on contaminated systems or equipment, where direct contact with N-Nitrosodimethylamine could result, each authorized employee entering that area shall: (i) Be provided with and required to wear clean, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with § 1910.134.

(ii) Be contaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(6) *Laboratory activities.* The requirements of this subparagraph shall apply to research and quality control activities involving the use of N-Nitrosodimethylamine. (i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surfaces on which N-Nitrosodimethylamine is handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious containers which are closed and decontaminated prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of N-Nitrosodimethylamine shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high-efficiency scrubbers or with disposable absolute filters.

(vii) Employees engaged in animal support activities shall be (*a*) provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory protective equipment or devices; and

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(*c*) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities; and

(*d*) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be (*a*) provided with and required to wear a clean change of appropriate laboratory clothing, such as a solid front gown, surgical scrub suit, or fully buttoned laboratory coat.

(*b*) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and

equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under paragraphs (e)(2), (3), and (4) of this section.

(c) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where N-Nitrosodimethylamine is handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of N-Nitrosodimethylamine shall be maintained.

(xii) Ventilated apparatus such as laboratory type hoods, shall be tested at least semi-annually or immediately after ventilation modification or maintenance operations, by personnel fully qualified to certify correct containment and operation.

(d) *General regulated area requirements*—(1) *Employee identification.* A daily roster of employees entering regulated areas shall be established and maintained. The rosters or a summary of the rosters, shall be retained for a period of 20 years. The rosters and/or summaries shall be provided upon request to authorized representatives of the Assistant Secretary and the Director. In the event that the employer ceases business without a successor, rosters shall be forwarded by registered mail to the Director.

(2) *Emergencies.* In an emergency, immediate measures including, but not limited to, the requirements of subdivisions (i), (ii), (iii), (iv), and (v) of this subparagraph shall be implemented. (i) the potentially affected area shall be evacuated as soon as the emergency has been determined.

(ii) Hazardous conditions created by the emergency shall be eliminated and the potentially affected area shall be decontaminated prior to the resumption of normal operations.

(iii) Special medical surveillance by a physician shall be instituted within 24 hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with paragraph (f)(2) of this section.

(iv) Where an employee has a known contact with N-Nitrosodimethylamine, such employee shall be required to shower as soon as possible, unless contraindicated by physical injuries.

(v) An incident report on the emergency shall be reported as provided in paragraph (f)(2) of this section.

(3) *Hygiene facilities and practices.* (i) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(ii) Where employees are required by this section to wash, washing facilities shall be provided in accordance with § 1910.141(d)(1) and (2)(ii) through (vii).

(iii) Where employees are required by this section to shower, shower facilities shall be provided in accordance with § 1910.141(d)(3).

(iv) Where employees wear protective clothing and equipment clean change rooms shall be provided, in accordance with § 1910.141(e), for the number of such employees required to change clothes.

(v) Where toilets are in regulated areas, such toilets shall be in a separate room.

(4) *Contamination control.* (i) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas. Local exhaust ventilation may be used to satisfy this requirement. Clean make-up air in equal volume shall replace air removed.

(ii) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner that does not cause contamination in nonregulated areas or the external environment.

(iii) Decontamination procedures shall be established and implemented to remove N-Nitrosodimethylamine from the surfaces of materials, equipment and the decontamination facility.

(iv) Dry sweeping and dry mopping are prohibited.

(e) *Signs, information and training*—(1) *Signs.* (i) Entrances to regulated areas shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT

AUTHORIZED PERSONNEL ONLY

(ii) Entrances to regulated areas containing operations covered in paragraph (c)(5) of this section shall be posted with signs bearing the legend:

CANCER-SUSPECT AGENT EXPOSED IN THIS AREA IMPERVIOUS SUIT INCLUDING GLOVES, BOOTS, AND AIR-SUPPLIED HOOD REQUIRED AT ALL TIMES AUTHORIZED PERSONNEL ONLY

(iii) Appropriate signs and instructions shall be posted at the entrance to, and exit from, regulated areas, informing employees of the procedures that must be followed in entering and leaving a regulated area.

(2) *Container contents identification.* (i) Containers of N-Nitrosodimethylamine and containers required under paragraphs (c)(4)(v) and (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible only to, and handled only by, authorized employees, or by other employees trained in accordance with subparagraph (5) of this paragraph, may have contents identification limited to a generic or proprietary name, or other proprietary identification, of the carcinogen and percent.

(ii) Containers of N-Nitrosodimethylamine and containers required under paragraphs (c)(4)(v), (c)(6)(vii)(*b*), and (c)(6)(viii)(*b*) of this section which are accessible to, or handled by employees other than authorized employees or employees trained in accordance with subparagraph (5) of this paragraph shall have contents identification which includes the full chemical name and Chemical Abstracts Service Registry number as listed in paragraph (a)(1) of this section.

(iii) Containers shall have the warning words "CANCER-SUSPECT AGENT" displayed immediately under or adjacent to the contents identification.

(iv) Containers which have N-Nitrosodimethylamine contents with corrosive or irritating properties shall have label statements warning of such hazards, noting, if appropriate, particularly sensitive or affected portions of the body.

(3) *Lettering.* Lettering on signs and instructions required by subparagraph (1) of this paragraph shall be a minimum letter height of 2 inches. Labels on containers required under this section shall not be less than ½ the size of the largest lettering on the package, and not less than 8 point type in any instance: *Provided,* That no such required lettering need be more than 1 inch in height.

(4) *Prohibited statements.* No statement, shall appear on or near any required sign, label, or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(5) *Training and indoctrination.* (i) Each employee prior to being authorized to enter a regulated area, shall receive a training and indoctrination program including, but not necessarily limited to:

(*a*) The nature of the carcinogenic hazards of N-Nitrosodimethylamine, including local and systemic toxicity;

(*b*) The specific nature of the operation involving N-Nitrosodimethylamine which could result in exposure;

(*c*) The purpose for and application of the medical surveillance program, including, as appropriate, methods of self-examination;

(*d*) The purpose for an application of decontamination practices and purposes;

(*e*) The purpose for and significance of emergency practices and procedures;

(*f*) The employee's specific role in emergency procedures;

(*g*) Specific information to aid the employee in recognition and evaluation of conditions and situations which may result in the release of N-Nitrosodimethylamine;

(*h*) The purpose for and application of specific first aid procedures and practices.

(*i*) A review of this section at the employee's first training and indoctrination program and annually thereafter.

(ii) Specific emergency procedures shall be prescribed, and posted, and employees, shall be familiarized with their terms, and rehearsed in their application.

(iii) All materials relating to the program shall be provided upon request to authorized representatives of the Assistant Secretary and the Director.

(f) *Reports*—(1) *Operations.* Not later than March 1, 1974, the information required in subdivisions (i), (ii), (iii), and (iv) of this paragraph shall be reported in writing to the nearest OSHA Area Director. Any changes in such information shall be similarly reported in writing within 15 calendar days of such change. (i) A brief description and in-plant location of the area(s) regulated and the address of each regulated area;

(ii) The name(s) and other identifying information as to the presence of N-Nitrosodimethylamine in each regulated area;

(iii) The number of employees in each regulated area, during normal operations including maintenance activities and

(iv) The manner in which N-Nitrosodimethylamine is present in each regulated area; e.g. whether it is manufactured, processed, used, repackaged, released, stored, or otherwise handled.

(2) *Incidents.* Incidents which result in the release of N-Nitrosodimethylamine into any area where employees may be potentially exposed shall be reported in accordance with this subparagraph. (i) A report of the occurrence of the incident and the facts obtainable at that time including a report on any medical treatment of affected employees shall be made within 24 hours to the nearest OSHA Area Director.

(ii) A written report shall be filed with the nearest OSHA Area Director within 15 calendar days thereafter and shall include: (*a*) A specification of the amount of material released, the amount of time involved, and an explanation of the procedure used in determining this figure;

(*b*) A description of the area involved, and the extent of known and possible employee exposure and area contamination, and

(*c*) A report of any medical treatment of affected employees, and any medical surveillance program implemented; and

(d) An analysis of the circumstances of the incident, and measures taken or to be taken, with specific completion dates, to avoid further similar releases.

(g) *Medical surveillance.* At no cost to the employee, a program of medical surveillance shall be established and implemented for employees considered for assignment to enter regulated areas, and for authorized employees. (1) *Examinations.* (i) Before an employee is assigned to enter a regulated area, a preassignment physical examination by a physician shall be provided. The examination shall include the personal history of the employee, family and occupational background, including genetic and environmental factors.

(ii) Authorized employees shall be provided periodic physical examinations, not less often than annually, following the preassignment examination.

(iii) In all physical examinations, the examining physician shall consider whether there exist conditions of increased risk, including reduced immunological competence, those undergoing treatment with steroids or cytotoxic agents, pregnancy and cigarette smoking.

(2) *Records.* (i) Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be maintained for the duration of the employees' employment. Upon termination of an employee's employment, including retirement or death, or in the event that the employer ceases business without a successor, records, or notarized true copies thereof, shall be forwarded by registered mail to the Director.

(ii) Records required by this paragraph shall be provided upon request to authorized representatives of the Assistant Secretary or the Director, and, upon request of an employee or former employee, to a physician designated by the employee or to a new employer.

(iii) Any physician who conducts a medical examination required by this paragraph shall furnish to the employer a statement of the employee's suitability for employment in the specific exposure.

Effective date. Sections 1910.93c through 1910.93p shall become effective February 11, 1974.

(Secs. 6(b) and 6(c), Pub. L. 91-596, 84 Stat. 1593, 1596 (29 U.S.C. 655). Secretary of Labor's Order No. 12-71, 36 FR 8754)

Signed at Washington, D.C. this 22d day of January 1974.

JOHN H. STENDER,
Assistant Secretary of Labor.

[FR Doc.74-2229 Filed 1-28-74;8:45 am]

Title 29—Labor

CHAPTER XVII—OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, DEPARTMENT OF LABOR

PART 1910—OCCUPATIONAL SAFETY AND HEALTH STANDARDS

Standard for Exposure to Vinyl Chloride

Pursuant to sections 6(b), 6(c), and 8(c) of the Occupational Safety and Health Act of 1970 (84 Stat. 1593, 1596, 1599; 29 U.S.C. 655, 657) Secretary of Labor's Order No. 12-71 (36 FR 8754) and 29 CFR Part 1911, § 1910.93 of Part 1910 of Title 29, Code of Federal Regulations is hereby amended in the manner set forth below, in order to provide an Occupational Safety and Health standard dealing with the exposure of employees to vinyl chloride.

I. *Background*—(1) *Vinyl chloride.* Vinyl chloride (chloroethene), Chemical Abstracts Service Registry No. 75014, is a synthetic organic chemical made from ethylene or acetylene and chlorine by any of several processes. It is the parent compound of a series of thermoplastic resin polymers and copolymers which are widely used for containers, wrapping film, electrical insulation, pipe, conduit, and a variety of other industrial and consumer products. Vinyl chloride has been made commercially in this country since 1939, and present production is in excess of seven billion pounds per year. The vinyl chloride industry divides into three segments: monomer production, polymer production, and fabrication. Production of the monomer is a large-scale continuous process, involving only a few firms. There are comparatively few employees in this segment of the industry, because the processes lend themselves to automation.

Vinyl chloride (VC) is used primarily in the production of polyvinyl chloride (PVC), a resin which is produced through batch processing. The conversion of the VC monomer into a polymer or copolymer is an incomplete process, i.e., not all of the monomer is reacted.

PVC is fabricated by a variety of techniques, including extrusion, injection molding and calendering, to form a finished product that needs no further chemical handling. The vast majority of employees involved in the VC industry are employed by fabrication firms. Such firms range in size from those with few employees and simple equipment to large plants involving many employees and considerable capital.

Vinyl chloride (VC), a gas at ambient temperature and pressure, is a chlorinated hydrocarbon, which heretofore has been regarded as having moderate liver toxicity. The initial standard, contained in Table G-1 of 1910.93, established a ceiling value of 500 parts of VC per million parts of air.

(2) *The emergency temporary standard.* On January 22, 1974, the Occupational Safety and Health Administration (OSHA) was informed by the National Institute for Occupational Safety and Health (NIOSH) that the B. F. Goodrich Chemical Company had reported that deaths of several of its employees from a rare liver cancer (angiosarcoma) may have been occupationally related. As a result of this notification and after consultation with NIOSH, and a joint inspection of the B. F. Goodrich plant by OSHA, NIOSH and the Kentucky Department of Labor, a fact-finding hearing was announced on January 30, 1974 (30 FR 3874) and held on February 15, 1974.

Information obtained from this hearing, particularly the preliminary reports of experiments conducted by Professor Cesare Maltoni of the Instituto di Oncologia, Bologna, Italy, demonstrated that vinyl chloride induced angiosarcoma in rats at levels as low as 250 ppm, and in other species at higher levels. Experiments performed at lower levels of exposure were not completed at that time. Other testimony from medical witnesses and NIOSH, and the results of autopsies, led to the conclusion that the Goodrich workers had angiosarcoma of the liver and that VC probably was the causal agent in the angiosarcomas observed.

In post hearing comments, additional angiosarcoma deaths were reported among workers who had been exposed to VC in plants operated by Union Carbide Corporation, Firestone Plastics Corporation and Goodyear Tire & Rubber Company.

On the basis of all information available at that time, and the fact that employees were being exposed at levels around the experimentally observed effect level of 250 ppm, an emergency temporary standard (ETS) was promulgated on April 5, 1974 (39 FR 12341) pursuant to section 6(c) of the Act, as 29 CFR 1910.93q.

This standard reduced the permissible exposure level from a ceiling of 500 ppm to a 50 ppm ceiling, and established other requirements, including, for example, monitoring and respiratory protection. It was expressly recognized that this standard limiting exposures to a 50 ppm ceiling was a tentative, interim standard, and that the whole question of exposure to VC would be considered more fully in the light of additional information, especially the results of experiments which were known to be underway at that time.

On April 15, 1974, information and data were presented to representatives of OSHA, NIOSH, and the Environmental Protection Agency by the Industrial Bio-Test Laboratories, Northbrook, Illinois, concerning results of animal exposure studies with VC. These studies were sponsored by the Manufacturing Chemists Association. Although only preliminary in nature at that time, these results revealed that 2 out of 200 mice exposed to VC concentrations of 50 ppm for 7 hours a day, five days a week, for approximately 7 months, had developed angiosarcoma of the liver.

(3) *The proposed permanent standard.* Based on the demonstrated evidence of VC's carcinogenicity in three animal species (rats, mice and hamsters), and the substantial probability that VC had been the causal agent in the cases of liver angiosarcoma found in workers both here and abroad, OSHA proposed to revise 1910.93q and published a comprehensive proposal (39 FR 16896) on May 10, 1974, to protect employees from hazards of exposure to VC. The proposal called for limitation of employee exposure to VC to "no detectable level," as measured by a sampling and analytical method sensitive to 1 ppm, with an accuracy of 1 ppm ±50 percent. The proposal also called for the establishment of regulated areas and limited access to such areas to authorized persons. A requirement for monitoring of employee exposures was proposed, along with engineering and work practice controls to be implemented when exposures over the detectable limit were measured.

Respiratory protection would have been required while engineering and work practice controls were being implemented or where exposures exceeded the permissible limit even after feasible engineering controls were instituted.

In addition, the proposed standard included requirements for medical surveillance, protective clothing, emergency procedures, training, specific protection during maintenance and decontamination operations, transportation loading and unloading operations and record-keeping.

(4) *Hearing on the proposal.* The proposal, as published on May 10, 1974, allowed 30 days for interested parties to submit written comments and to request an informal rulemaking hearing. Informal contacts with OSHA staff and early responses indicated that the subject was of great interest and importance to many persons. Because of the limited time available before expiration of the six month period provided in section 6(c)(3) of the Act for promulgation of a final standard, it was decided to hold a hearing as soon as possible. Accordingly, on May 24, 1974, a notice of a hearing was published (39 FR 18303), setting a hearing date of June 25, 1974. The hearing was conducted from June 25 through June 28, and again from July 8, through July 11, before Administrative Law Judge Gordon J. Myatt. All participants were given the opportunity to present testimony and to cross-examine other witnesses. Persons participating in the hearing were given until August 23, 1974, to file additional posthearing comments, including various items of information which were requested during the examination of witnesses.

(5) *Economic and technical impact study.* During the hearing, OSHA determined that additional facts would be needed to determine the practicality of certain aspects of the proposed standard. Accordingly, OSHA contacted an independent consultant, Foster D. Snell Corporation, to conduct studies of the feasibility of compliance at various exposure levels, including those proposed by OSHA and others advanced by industry spokesmen. Snell was also commissioned to collect information regarding the economic costs of compliance. This action was announced at the close of the hearing, and Judge Myatt further announced that the record would be kept

open for a period of time beyond August 23, to allow interested persons to comment in writing on the study. On August 26, 1974, OSHA announced that the preliminary study was available and that comments were to be submitted no later than September 6, 1974 (39 FR 30844). On September 13, 1974, OSHA invited comments on both the preliminary and the final study, which was to be received on or before September 25, 1974 (39 FR 33009).

(6) *Environmental impact statements.* A notice of intent to file an environmental impact statement assessing the impact of a proposed standard on occupational exposure to VC was published in the FEDERAL REGISTER on April 24, 1974 (39 FR 14522). The notice invited any person having information or data on the environmental impact to submit it to OSHA by May 17, 1974. On June 12, 1974, a draft environmental impact statement was prepared and circulated to all interested persons. Ten copies were forwarded to the Council of Environmental Quality (CEQ), which published a notice of its filing and availability in the FEDERAL REGISTER on June 25, 1974 (39 FR 22975). A 45 day period was allowed for the submission of comments on the draft statement. On September 5, 1974, the final environmental impact statement was prepared and a copy of it and all substantive comments were sent to appropriate governmental agencies, private organizations, and other interested persons. CEQ published a notice of availability for the final statement on September 6, 1974 (39 FR 32350). The submission of comment was invited until September 25, 1974. The final statement and all significant comments have been carefully considered in arriving at the final standard on occupational exposure to VC.

(7) *The record.* The record in this proceeding is one of the most exhaustive ever relied upon by OSHA. It consists of pre and post-hearing comments and testimony received at both factfinding and rulemaking hearings, the studies and inspections conducted by OSHA personnel, the environmental impact statements, the economic and technical impact studies, and all other relevant information. In all, over 600 written comments have been received, with more than 200 separate oral and written submissions made with regard to the two hearings. The record itself exceeds 4,000 pages. Employers, employees, labor unions, public health groups, independent experts, physicians, research scientists, and specialists in many fields have been invited to submit information and have made their views, knowledge and experience available to OSHA. The entire record encompassing these submissions was thoroughly reviewed and evaluated in reaching the determinations set forth below.

II. *Findings regarding carcinogenicity, exposure levels and feasibility*—(1) *Carcinogenicity of vinyl chloride.* The carcinogenicity of vinyl chloride for three animal species (rat, mouse, hamster) has been documented on the record by the studies of Maltoni and Bio-Test Laboratories. Moreover, Maltoni's investigations have demonstrated a dose-dependent relationship for induction of tumors (i.e., more tumors occur at higher exposure levels), including angiosarcoma of the liver, in rats. The investigations of Industrial Bio-Test Laboratories have demonstrated a similar relationship for both rats and mice. These investigators have induced angiosarcoma of the liver in rats and mice at exposure concentrations of 50 ppm, and in hamsters at higher concentrations of exposure. Additional tumors involving other organs, including the kidneys, lungs, and skin of exposed animals, were also observed in frequencies much in excess of control animals. The incidence of tumors in mice in the Industrial Bio-Test Laboratories investigations is particularly pertinent. Of 200 mice (100 males, 100 females) exposed to 50 ppm of vinyl chloride by inhalation for eleven months, 100 died. Sixty-four animals died without gross postmortem pathologic examination being performed. Of the 36 remaining animals for which a gross postmortem pathologic examination was performed, 13 (36 percent) were found with liver tumors (including angiosarcomas), 21 (58 percent) with lung tumors, 9 (25 percent) with skin tumors, and one with a kidney tumor.

According to the 1970 report by the Surgeon General's Ad-Hoc Committee on the Evaluation of Low Levels of Environmental Chemical Carcinogens, the finding of cancer in two or more animal species may be extrapolated to indicate a carcinogenic hazard to humans. Here, such a finding was made in three species that were exposed to VC by inhalation—a route comparable to employee exposure. In addition, there were at least 13 confirmed cases of angiosarcoma of the liver among employees exposed to VC, a particularly significant number in view of the extreme rarity of this cancer in the U.S. adult male population (testimony of Dr. Marcus Key, Director of NIOSH, at the rulemaking hearing).

The findings of angiosarcoma of the liver in both experimental animals and exposed employees is compelling evidence that exposure of humans to vinyl chloride induces this tumor. Industry spokesmen, at the hearing, conceded that VC is carcinogenic for humans (e.g. testimony of Dr. McBurney, Rulemaking hearing, 1041). Accordingly, it is concluded that VC must be regarded as a human carcinogen, and the probable causal agent of angiosarcoma of the liver, and that exposure of employees to VC must be controlled.

Additional evidence of tumor induction in a variety of other organs, including lung, kidney, brain and skin, as well as non-malignant alterations, such as fibrosis and connective tissue deterioration, indicates additional oncogenic and toxicologic properties of vinyl chloride, which must be considered in establishing control regulations. (See testimony and results of studies by Bio-Test Laboratories, Tabershaw-Cooper, Maltoni, NIOSH, and Selikoff.)

(2) *Exposure limits.* Upon finding that exposure of employees to vinyl chloride may create a carcinogenic hazard, the amount of exposure which is hazardous must be determined. The Surgeon General's Ad Hoc Committee referred to above concluded that safe exposure levels for carcinogenic substances cannot be scientifically determined. This position is supported by the testimony of NIOSH at the hearing, its recommendations for a standard of no detectable level, and by the testimony of expert witnesses from the National Cancer Institute.

Several witnesses and persons who submitted comments have taken a contrary view and have suggested that man is less sensitive to biologic aberrations induced by vinyl chloride exposure than experimental animals. Proponents of this position have argued that if humans were as sensitive as rodents, an "epidemic" of cancer resulting from VC exposures should have already been discovered among employees. They also argue that the employees in whom tumors have been observed are those who have considerable employment experience as polymerization reactor cleaners. Because it is generally agreed that reactor cleaning involved high exposures to vinyl chloride in years past, it is argued that the lower levels currently found in the workplace have not induced cancer and are therefore safe. We reject this argument.

The fact that approximately three-quarters of those employees with the longest exposure to VC (greater than 20 years since initial exposure) have not yet been located, makes it impossible to determine the actual number of affected employees. The cases of liver tumors observed to date have an average latency period, since initial exposure, of approximately 20 years. If it is assumed that induction of angiosarcoma is a dose-related phenomenon, and if employees engaged in cleaning reactors did, in fact, receive larger doses of vinyl chloride, it would be expected that such tumors would be observed earlier for this employee population. For this reason, the significance of presumed lower doses cannot be accurately assessed until a longer period of time has passed, as a longer induction period would be expected.

Initiation of exposure to chemical carcinogens and induction of cancer are not necesasrily synchronous events. Because of the physiologic complexities involved with carcinogenesis, induction of tumors does not occur in all employees with similar exposure histories. For example, Dr. Schneiderman of the National Cancer Institute emphasized during his testimony that only about a fifth of longer-term heavy smokers develop lung cancer. Accordingly, the industry contention that exposure levels have been dramatically reduced since the 1940's is not reliable evidence that current levels of exposure are safe.

Some industry spokesmen also suggested that the apparent nonrandom distribution of observed cancer in employees may indicate an exposure threshold for tumor induction, based on variations in the workplace design or practice and resultant employee exposures

(testimony and questioning by Tenneco Chemicals, Inc.). It has also been emphasized that in only 3 of 8 polymerization plants where employees have been exposed to VC for more than 20 years have any employees developed angiosarcoma of the liver. This argument is very similar to that raised concerning variability of past employee exposure. Although geographic and workpractice differences may ultimately be demonstrated to be factors in distribution of angiosarcoma, sufficient information is unavailable to exclude from consideration of risk those employees in workplaces for which cases of angiosarcoma have not been observed.

It has also been suggested that the absence of cancer in a population of 335 Dow Chemical Company polymerization employees monitored over a period of 7 years, indicates that exposure to vinyl chloride at concentrations of less than 200 ppm is safe. (See study by Dr. Cook, submitted at the hearing by Dow Chemical Company.) However, the group surveyed did not include all workers who had been exposed, and the missing employees included many who had the longer term (over 20 years) exposures. Moreover, the statistically insignificant size of the sample population decreases the possibility that tumors would be observed.

Dow also presented preliminary data in testimony at the hearing on the possible metabolic pathways of VC. The hypothesis presented was that VC may exert its carcinogenic effect by a metabolite, and that the metabolite is produced only when VC is metabolized by a secondary metabolic pathway operating only when enzymes regulating the primary pathway are saturated, as would be the result at higher exposures. The preliminary data indicated the possibility of an additional pathway for metabolism of VC in rats exposed to concentrations of VC in excess of 220 ppm. However, the occurrence of angiosarcoma in both rats and mice at VC exposure concentrations of 50 ppm indicates that if a metabolite of VC is the ultimate carcinogen, then it must be generated at lower exposure concentrations in these species. Although this research may be helpful to the thorough understanding of the carcinogenicity of VC, it appears that it does not yet offer evidence which can assist in determination of safe exposure concentrations for employees, or even that such safe exposures exist.

A number of witnesses representing employers have stressed that there is no evidence of cancer, either in employees or experimental animals, at exposure concentrations of VC less than 50 ppm. (See e.g., testimony of Firestone, Tenneco Chemicals.) The conclusion of these witnesses was that no decision can be made concerning risk of exposure to VC at concentrations less than 50 ppm.

On the other hand, the testimony of most expert witnesses, including some industry biomedical experts, stated that quantification of a safe exposure concentration is not possible with the present state of scientific knowledge. (See e.g., testimony of Selikoff, Firestone, NCI, and NIOSH.)

In our view, the demonstration of cancer induction in humans at a particular level is not a prerequisite to a determination that a substance represents a cancer hazard for humans at that level. It would be imprudent to assume man to be less sensitive to VC exposure than experimental animals in the absence of conclusive evidence. It would also be unfounded to assume that animals will not develop tumors when exposed at concentrations of VC of less than 50 ppm. Should a sufficiently large number of experimental animals be exposed to VC at concentrations of less than 50 ppm, Schneiderman said that it would be expected that some would develop VC induced tumors.

(3) *Feasibility.* There is virtually no dispute that most, if not all, fabricators are currently capable of reaching exposure levels of 1 ppm through engineering controls. These employers employ well over 95 percent of all employees exposed to VC. Indeed, several fabricators are already operating at this level (see SPI testimony). However, industry spokesmen have universally claimed that it is infeasible for the VC and the PVC industries to remain below 1 ppm consistently, using engineering controls. In addition, the Snell study on technical feasibility concluded that a 1 ppm ceiling is not feasible for the VC and PVC industries with present technology, but that the VC industry could currently attain lower exposure levels than the PVC industry. Labor union spokesmen and the Health Research Group, Inc., however, have suggested that such a level is attainable.

Since there is no actual evidence that any of the VC or PVC manufacturers have already attained a 1 ppm level or in fact instituted all available engineering and work practice controls, any estimate as to the lowest feasible level attainable must necessarily involve subjective judgment. Likewise, the projections of industry, labor, and others concerning feasibility are essentially conjectural. Indeed, as Firestone has suggested, it is not possible to accurately predict the degree of improvement to be obtained from engineering changes until such changes are actually implemented.

We agree that the PVC and VC establishments will not be able to attain a 1 ppm TWA level for all job classifications in the near future. We do believe, however, that they will, in time, be able to attain levels of 1 ppm TWA for most job classifications most of the time. It is apparent that reaching such levels may require some new technology and work practices. It may also be necessary to utilize technology presently used in other industries. In any event, the VC and PVC industries have already made great strides in reducing exposure levels. (See testimony of Dow Chemical Co., TR 973). For example, B. F. Goodrich testified (TR 1120) that it has reduced average exposure levels in several PVC plants from 35–40 ppm early this year to 12–13 ppm at the time of the hearing. We are confident that industry will continue to do so.

(4) *Conclusions.* The conclusions below are based on a thorough review and evaluation of all the evidence submitted. Where decisions can be based on record evidence, this has been done. Where, however, factual certainties are lacking or where the facts alone do not provide an answer, policy judgments have been made.

There is little dispute that VC is carcinogenic to man and we so conclude. However, the precise level of exposure which poses a hazard and the question of whether a "safe" exposure level exists, cannot be definitively answered on the record. Nor is it clear to what extent exposures can be feasibly reduced. We cannot wait until indisputable answers to these questions are available, because lives of employees are at stake. Therefore, we have had to exercise our best judgment on the basis of the best available evidence. These judgments have required a balancing process, in which the overriding consideration has been the protection of employees, even those who may have regular exposures to VC throughout their working lives.

Based on the available evidence and in view of the above considerations, including feasibility, we believe that employee exposures to VC must be reduced to a 1 ppm time-weighted average (TWA). We also believe that PVC and VC establishments will, in time, be able to attain that level through engineering controls, and that fabricators can do so in the immediate future.

In addition to the TWA requirement, we have established a 5 ppm ceiling (averaged over a 15-minute period) in order to prevent exposure of employees to unacceptable high excursions. From an operation standpoint, this ceiling level is realistic because minor excursions up to the ceiling level are likely to occur on a regular basis.

III. *The final standard*—(1) *Scope and application.* Both the ETS and the proposal would apply the standard to the entire VC industry, including manufacturers of VC and PVC and fabricators, but excluding employers handling or using fabricated products made from VC.

There is no dispute that a standard is required for the monomer and polymer industries. However, the Society of Plastics Industry (SPI) and various fabricators (see testimony of Goodyear, General Cable, etc.) recommended that fabricators be excluded from the standard, or that a separate requirement be established for them because many of them were already at or below the proposed ceiling level.

The record evidence establishes that at least some employees in the fabricating industry are exposed in excess of the permissible control limits (See NIOSH testimony, TR 106; Robintech TR 642). In these circumstances, we believe that it is imprudent to grant a blanket exemption for all fabricators. Therefore, the final standard is applicable to the fabrication industry, as well as the monomer

and polymer industries. Employers who, in fact, are substantially below the exposure limit will be subjected to only minimal burdens by virtue of the "action level" to be discussed below.

Where employers in the fabricating industry have exposures approaching the permissible limit, they will appropriately be subject to the standard. Employers handling or using fabricated products made of PVC were not included in the ETS or the proposal and are excluded from the final standard. This conclusion is based on the absence of adequate evidence of exposure to VC in these operations. The final standard clarifies the exemption by defining a fabricated product as a product made wholly or partly from PVC which does not require further processing at temperatures, and for times, sufficient to cause mass melting of the PVC. SPI and others (cf. TR. 344) requested that PVC resins with less than 0.1 percent residual monomer be exempted from the regulation now, and that the exemption level be reduced to 0.01 percent in three years. SPI suggested that the exemption of materials with less than 0.1 percent of 14 carcinogens from 29 CFR 1910.93p (39 FR 3756) was an appropriate precedent. The cases are not comparable, because no attempt had been made to set air concentration limits for the 14 carcinogens. The record did not include information that reliable monitoring and measuring techniques were available. Moreover, the exemption did not exempt airborne traces of carcinogens. The administrative cutoff was provided to avoid regulation of materials about which there was no health hazard information, and which would have broadly extended the application of the regulation beyond the record. Herein, no information was presented to show safe concentration results from the use of resins with specific levels. Indeed, the proposal to change the level later, when improved technology would permit such reduction, would seem to indicate that SPI has doubts about the safety of 0.1 percent residue level. Diamond Shamrock (Exhibit 142) testified that there is no direct relation. They indicate that the airborne concentration is more related to the physical form of the resin and the ventilation provided. Also, monitoring data from industry (cf. Exhibits 131, 168, 170) and OSHA (Exhibit 151) indicate that levels in excess of 1 ppm may be found in fabrication operations. In view of these facts and of the opportunity for employers to discontinue many duties upon a showing of no exposures above the action level, it does not appear that any residue exemption is either justified or necessary at this time. This course also agrees with a number of industry proposals (cf. TR 660).

SPI (TR 345), among others, asked that compounded PVC pellets be exempted from the standard on the grounds that the pellets had too low a residue to cause harmful or measurable emissions. While it appears that PVC pellets would have a lower residue level than virgin PVC, the fact that the pellets must be heated to a molten mass at the same temperature as PVC, for further processing, indicates that a potential for release of the residue still exists. It appears that the exemption of fabricated products should be limited to just those items which will not undergo such mass heating. Further, the opportunity to demonstrate that exposures are below the action level, and thus, discontinue many duties of the standard, provides a more positive control and an adequate relief.

(2) *Permissible exposure limit.* The standard sets an exposure limit of 1 ppm averaged over any 8 hour period, and a ceiling of 5 ppm averaged over any period not exceeding 15 minutes.

As more fully discussed above, this limit is based on an evaluation of the best available evidence and on a judgment that the health and safety of employees must be protected to the fullest extent feasible. In view of the fact that release of VC in the VC and PVC manufacturing processes are variable, the 1 ppm ceiling level provided in the proposal would require maintenance of an average level significantly more difficult to attain through feasible engineering controls. Therefore, the exposure limit prescribed in the proposal has been rejected.

(3) *Action level.* The final standard, unlike the ETS and the proposal, provides for an "action level" of 0.5 ppm TWA, one-half of the permissible exposure limit. The purpose of the action level is to minimize the impact of the standard on the employers who have attained exposure levels well below the permissible limit. Thus, where the results of monitoring under paragraphs (d)(1) or (d)(2) demonstrate that no employee is exposed in excess of 0.5 ppm TWA, employers may, in effect, be exempted from some provisions of the standard. For example, fabricators who are below the action level are not required to provide medical surveillance or to monitor again, unless the employer has reason to suspect that any employee is exposed in excess of the action level. In our judgment, exposures below the action level do not present a sufficient hazard to warrant application of the entire standard to the many employers who are or will be below that level.

(4) *Monitoring.* The final standard, like the proposal, requires that individual employee exposure levels be determined. This may be accomplished by personal or area monitoring. Some witnesses and persons who submitted comments did not understand the meaning of the term "95 percent confidence level" in the proposal. Essentially it means that the employer is required to take a sufficient number of measurements so that the results obtained are statistically valid. We have modified the proposal to establish accuracy range requirements for various measurement levels. These ranges are narrow enough to ensure that a determination of compliance can be made, and broad enough to allow the application of a variety of technologies.

All covered employers are required to conduct initial monitoring. Where monitoring and measuring results are at or below the action level, no further monitoring is required unless the employer has reason to suspect that any employee is exposed in excess of the action level, or unless changes have been made in production, process, control, type of resin, etc.

Where the exposure level, without regard to respirators, exceeds the permissible levels, monitoring must be conducted at least monthly. Where exposures are less than the permissible levels, but greater than the action level, monitoring must occur at least quarterly.

(5) *Methods of compliance.* The standard, like the proposal, requires that employers immediately institute feasible engineering and work practice controls to reduce exposures to at or below the permissible exposure limit.

Where feasible engineering and work practice controls will reduce exposures below the permissible levels, they must be instituted. Where such controls will not reduce exposures below the permissible level, they must nonetheless be implemented to reduce exposures to the lowest practicable level, and be supplemented by the use of respirators to provide the necessary protection. Thereupon, a continuing program of engineering and work practice controls must be instituted to reduce exposures to the lowest practicable level. When exposures are at or below the permissible exposure limits, the program may be discontinued.

In addition, a plan for achieving control by engineering and work practice methods must be drawn up and be made available, upon request, to representatives of OSHA and NIOSH.

We recognize that many employers covered by the standard can not currently achieve compliance with the permissible exposure limit solely by the use of feasible engineering and work practice controls. The record also reflects broad generic distinctions between the compliance capabilities of the VC and PVC industries. Some industry spokesmen, including SPI (TR. 358–362), recommended that a schedule of different permissile exposure limits and compliance dates be established for the VC and PVC segments of the industry.

This view assumes that the ability and the time required to feasibly reach increasingly lower control levels is similar within each industry, but differs markedly between industries. While the record does suggest that such differences do exist between industries, as noted above, it is clear that intra-industry differences also exist. Thus, the ability and time required by each employer to attain lower control levels may depend upon such factors as the climate in which the plant is located, the age of equipment, the size of reactors, or the type of resin manufactured or used. (Snell study, Firestone testimony, etc.)

Monitoring data also tends to support such intra-industry variations. (See, e.g. Dow, Firestone, Tenneco.)

As noted above, the standard requires all employers to institute feasible engineering controls to the fullest extent and to continue to improve and apply engi-

neering controls until full compliance is achieved.

We have not established any deadlines for full compliance through engineering controls because we are presently unable to determine when it will be feasible for most establishments to reduce exposure levels to the permissible level.

We also believe that the requirement that each employer reduce airborne concentrations to the permissible level, or to the lowest level feasible as soon as practicable will provide for inter-industry and intra-industry technological differences which do exist, and will avoid the setting of separate industry standards on the basis of the general situation and conditions in each industry.

(6) *Regulated areas.* The proposed standard would have required that regulated areas be established, that access be limited to authorized employees, and that daily rosters or summaries of those entering be kept for at least 20 years. In objection to these requirements, it was asserted that such control of access was not necessary from a health standpoint. Secondly, it was claimed that these controls would interfere with operations by preventing access of needed employees or non-employees, such as contractors, truck drivers, customers and consultants.

The purpose of establishing regulated areas in the proposal was to limit the risk of exposure to as few employees as possible. This concern is still paramount, and thus the limited access feature remains. The final standard amends the proposal slightly to allow "authorized persons" to enter regulated areas. This change, it is felt, will allow operations to continue without undue interference. The final standard has also increased the length of time daily rosters must be maintained from 20 to 30 years. This change was based largely on epidemiological considerations. (See NIOSH testimony, tr. 119.)

(7) *Respiratory protection.* The final standard, like the proposal, requires the use of respirators where employee exposures exceed the permissible control level. Industry representatives made a number of objections to proposed requirements for respiratory protection. They stated that the "no detectable level" would effectively require continuous wearing of respirators in PVC and VC plants, and that this is not feasible because respirators are cumbersome, present a safety hazard, and employees would not use them.

We would agree that respirators have many drawbacks; the proposal did not contemplate them as a final solution. The record shows that the PVC industry particularly may need several years before plant environmental levels can be reduced so that respirators are necessary only occassionally. However, we cannot agree that respiratory protection should not be required simply because it is inconvenient, may require additional personnel, interferes with production, or may require extensive retraining of employees and restructuring of work practices. We have carefully considered all the objections, and have concluded that if the environmental level is not controlled to the permissible exposure limit, then employees must be afforded respiratory protection.

While exposures in excess of the permissible level do constitute a hazard, we believe that it is necessary to mitigate some of the problems associated with implementing a program of respiratory protection while employees are being fitted and trained in respirator use, and while other adjustments which may be required are implemented. Therefore, until January 1, 1976, where exposures are not in excess of a 25 ppm ceiling, each employer must provide each employee with an appropriate respirator. However, employees whose exposures do not exceed a 25 ppm ceiling, may decline to use the respirator, in which case the employer is not obligated to require its use. During this adjustment period, employees will be trained in the uses, purposes and limitations of respirators, and the hazards of exposure to vinyl chloride. Moreover, each employee will be notified in writing if he has been exposed in excess of the permissible exposure limit.

Where exposures exceed a 25 ppm ceiling, respiratory protection is mandatory in light of our judgment that much greater risks are associated with such exposures.

The provisions in the final standard regarding the selection and use of respiratory protective devices differ from those in the proposal. The descriptions of atmosphere-supplying respirators have been revised to indicate more clearly the types of devices intended, and the maximum permissible concentration level for each device. Moreover, the number of types of atmosphere-supplying devices has been increased.

At the hearing Mr. Edwin C. Hyatt, an OSHA consultant, made suggestions regarding the use of particular respiratory devices. We have concluded that his suggestions are meritorious. Therefore, the provisions for selection of atmosphere-supplying devices follow closely the recommendations contained in his testimony of SPI and B. F. Goodrich) (TR with Hyatt's suggestions. (See e.g. testimony of SPI and B. F. Goodrich) (TR 85 ff) We had originally omitted air-purifying respirators because none had been approved by NIOSH for use against VC, principally because they lacked indicators to signal the expiration of the service life of the sorbent. Hyatt and other witnesses discussed in detail the desirability of being able to use canisters or cartridge air-purifying respirators, provided a sorbent could be shown to effectively absorb vinyl chloride with an adequate service life. Recently, OSHA has received respiratory data from laboratories regarding the effectiveness of commercially available canisters and cartridges for vinyl chloride. These evaluations were conducted separately by NIOSH and by the B. F. Goodrich Company and submitted to OSHA in post-hearing comments. The results indicate that certain presently available canisters and cartridges effectively absorb vinyl chloride at relatively low concentrations. In discussions of these findings with NIOSH, it has indicated that it is willing to consider on an expedited basis the approval of air-purifying respirators for use against VC. Consequently, we have included three types of air-purifying respirators in the list of acceptable units, subject to the approval of such units by NIOSH. The maximum concentration for which each respirator may be used is based upon our evaluation of the data submitted by NIOSH and Goodrich. Because air-purifying respirators do not indicate sorbent exhaustion or breakthrough of VC, and because VC has no inherent warning properties at levels for which these devices are used, strict administrative controls will be required for their use. Such controls include a program to assure timely replacement of canisters or cartridges and an alarm system to alert employees when vinyl chloride concentrations exceed the concentrations allowed for the particular type of respirator in use.

(8) *Hazardous operations.* This is a new section within the final standard. It encompasses essentially the proposal's requirements for maintenance and decontamination but has restated them in terms of performance language to allow greater flexibility for employers to deal with such operations. The intent of the new section is to protect employees engaged in activities that present a risk of exposure to vinyl chloride in excess of the permissible levels. An example would be the cleaning of a filter where resin containing high residual monomer is trapped.

The proposal's requirement for full-body, impervious clothing has been replaced by the direction to use impervious garments suited to the particular situation and probable extent of exposure. Thus, full-body clothing is not always necessary, and is therefore not required where less protection is adequate. Since vessel entry falls within the definition of a hazardous operation, the vessel entry section of the proposal has been deleted from the final standard.

(9) *Emergency situations.* The definition of emergency has been recast in terms of an unexpected massive release. The main objection to the section on emergency situations in the proposal was that, as the term was defined, many ordinary leaks or operations resulting in a small release of vinyl chloride would be considered emergencies. This was not the intent of the proposal. The final standard has been clarified to correct this ambiguity. It should be noted that the written operational plan required by the standard need not be developed for minor excursions above the permissible exposure limit, and that such excursions need not be reported.

(10) *Signs and labels.* The thrust of the signs and labels section is to apprise employees of the cancer and fire hazards. No objections have been raised with respect to informing employees of the fire hazard. However, a number of objections were raised at the hearing and in written submissions to the requirement that the word "cancer" appear on all signs and labels. The principal argu-

ment advanced against its use was that the term "cancer" or "cancer-suspect agent" scares employees and that instead, the message should contain instructions on how to deal with the substance (TR. 347). We believe that a diluted form of warning will not suffice. We appreciate the concern of employers with the reaction of their employees. But we consider it imperative that a worker be fully informed, and that he realize the possible risks involved in his occupation. Coupled with the training requirement in the standard, we believe that the signs and labels required will adequately inform employees of the hazard. In addition, such signs will warn unauthorized personnel to keep out of regulated areas.

The proper application of most protective measures requires an amount of training and indoctrination of employees that cannot easily be conveyed on a sign or label. Also, the variety of measures that could be prescribed would result in an unwieldly or excessively detailed legend. Consequently, the required message on signs and labels will not include information on precautions, relevant symptoms, etc. The addition of suitable information by the employer would be permitted, providing it does not detract in any way from the required statement.

The requirement in the proposal for labeling containers of vinyl chloride has been amended by deleting the reference to the possible hazard of violent polymerization. Very little information was developed on this hazard during the standard-setting procedure. It does appear that this hazard is essentially under control and that the fire and carcinogenic hazards at present are the most significant. Since labeling or placarding that is in compliance with the U.S. Department of Transportation regulations (49 CFR Part 173, Subpart H) already warns of the fire hazard, only a statement concerning the carcinogenic hazard need be added to the Department of Transportation labels.

(11) *Medical surveillance.* The principal questions that have been raised regarding medical surveillance are the necessity and efficacy of requiring certain specific serum enzyme determinations (SMA–12 series) and the application of medical examination requirements to the fabrication segments of the industry where employees are exposed to lower levels of VC. The objection has also been raised that the specification of tests and procedures interferes with the application of advances in medical knowledge.

A particular difficulty in considering medical surveillance is that the most commonly discussed lesion, angiosarcoma of the liver, currently cannot be diagnosed until the victim is terminal and, usually, within months of death. Precursor physiologic alterations, which might be reversible, have not yet been directly associated with the lesion. Consequently, there are no specific diagnostic tests which can be prescribed which will determine presence or absence of this tumor at an early stage of development. However, most medical witnesses indicated that the medical tests proposed are currently the only ones available which are useful for medical surveillance (TR 121, Exh. 95, TR 589–591). Consequently, the specific blood tests proposed have been retained as a minimum requirement to assist the examining physician in determining fitness of potential employees for assignment to workplaces involving VC exposure. In addition, alternative medical examinations may be used where the examining physician determines that they are at least as good as those specified by the standard.

The Tabershaw-Cooper study and the various animal experiments suggest that VC may produce a wide spectrum of malignant and non-malignant disorders. The general scope of the required medical examination has, therefore, been broadened to include kidneys, skin, connective tissue, spleen, and pulmonary system, as well as the liver. No additional specific procedures or tests are required, but recommendations have been included in the Appendix to assist the examining physician. Because of the nonspecific nature of the required medical tests, it is not appropriate to prescribe timing, or type of followup tests, or to mandate withdrawal from exposure based solely on results of the tests. Instead, the employer is required to obtain a statement from the examining physician of the employee's suitability for continued exposure, when the examining physician has completed such tests as he considers appropriate. The employer is required to withdraw an employee only when this statement indicates that the employee may be at added risk from continued VC exposure.

As with monitoring, there appears to be no basis for complete exemption of the fabrication industry from the requirement for medical examination. The record does show fabricating establishments with concentrations of VC monitored considerably above the action level. In these instances, medical surveillance of affected employees will provide baseline data for future evaluation of their health, even if both monitoring and medical surveillance are discontinued because improved controls reduce concentrations below the action level. Where exposures are below the action level, the medical surveillance requirements do not generally apply.

(12) *Training.* A separate provision for employee training has been added to the final standard rather than including it within the section on emergency situations as in the proposal. The new paragraph provides for training of employees concerning the carcinogenic hazard of VC, emergency procedures, the need for monitoring and an annual review of the standard. It also provides for training of employees concerning the purpose for, proper use of, and limitations connected with respiratory protection.

(13) *Records and reports.* The provisions for recordkeeping contained in the final standard require the preparation and maintenance of essentially the same information required by the proposal. The major change from the original proposal is the requirement for maintenance of monitoring records and daily roster sheets of authorized persons for 30 years, instead of 20 years. Additionally, the employer is required to maintain medical records for the duration of an employee's employment plus 20 years, or 30 years, whichever is longer. The original proposal called for only 20 years.

This change has been implemented because the latency period for induction of angiosarcoma ranges up to 30 years from initial exposure. Therefore, as a minimum, medical records must be maintained for at least that long. It should be noted that spokesmen for both labor and industry recommended that this change be made.

The reporting requirements are not significantly different from those in the original proposal. However, instead of the requirement for reporting incidents which result in the release of VC into areas where employees may be exposed, the final standard clarifies our original intent by stating that only emergencies must be reported. Also the requirement for filing a detailed, written report within 15 days has been deleted. It has been concluded that submission, within 24 hours, of an initial report that includes facts immediately available, would ordinarily be sufficient. However, if the OSHA Area Director requests further information relevant to the emergency, the employer will be required to furnish such information.

(14) *Deleted portions of the proposal.* The proposal contained provisions requiring that shower facilities and change rooms be provided, and that storage or consumption of food be prohibited in regulated areas. We have deleted these provisions because it is our conclusion they are no longer necessary. Showering facilities are not required because protective clothing, where required by the final standard, should protect employees from skin absorption by direct contact with VC and because there is no reliable evidence that VC vapor is absorbed through the skin. In addition, since we anticipate that most employees will not be wearing protective clothing and that employees who wear protective clothing will change such clothing infrequently, we are not requiring that change rooms be provided.

In addition, we feel that there is inadequate evidence showing that hazardous amounts of VC can be absorbed through ingestion. For this reason, the requirement prohibiting the storage or consumption of food in regulated areas has been deleted.

The proposal also contained provisions on maintentance and decontamination, transportation loading and unloading, and polymer handling operations. These requirements are not mentioned in the final standard because attention to these items is implicit in the requirement that each employer reach the permissable exposure limit or attain the lowest feasible level.

(15) *Effective date.* In order to ensure that affected employers and employees will be informed of the existence of these

provisions and that employers affected are given an opportunity to familiarize themselves and their employees with the existence of the new requirements, the effective date of the amendment to § 1910.93q will be January 1, 1975. To provide continued protection for employees until that date, the provisions currently contained in § 1910.93q are hereby promulgated, pursuant to section 6(b), 6(c) and 8(c) of the Occupational Safety and Health Act, as an occupational safety and health standard effective October 4, 1974, the amendment to § 1910.93q set out below will supersede these provisions as of January 1, 1975.

Accordingly, upon consideration of the whole record of this proceding, Part 1910 of Title 29, Code of Federal Regulations is amended, effective January 1, 1975, by revision of § 1910.93q to read as follows:

§ 1910.93q Vinyl chloride.

(a) *Scope and application.* (1) This section includes requirements for the control of employee exposure to vinyl chloride (chloroethene), Chemical Abstracts Service Registry No. 75015.

(2) This section applies to the manufacture, reaction, packaging, repackaging, storage, handling or use of vinyl chloride or polyvinyl chloride, but does not apply to the handling or use of fabricated products made of polyvinyl chloride.

(3) This section applies to the transportation of vinyl chloride or polyvinyl chloride except to the extent that the Department of Transportation may regulate the hazards covered by this section.

(b) *Definitions.* (1) "Action level" means a concentration of vinyl chloride of 0.5 ppm averaged over an 8-hour work day.

(2) "Assistant Secretary" means the Assistant Secretary of Labor for Occupational Safety and Health, U.S. Department of Labor, or his designee.

(3) "Authorized person" means any person specifically authorized by the employer whose duties require him to enter a regulated area or any person entering such an area as a designated representative of employees for the purpose of exercising an opportunity to observe monitoring and measuring procedures.

(4) "Director" means the Director, National Institute for Occupational Safety and Health, U.S. Department of Health, Education, and Welfare, or his designee.

(5) "Emergency" means any occurrence such as, but not limited to, equipment failure, or operation of a relief device which is likely to, or does, result in massive release of vinyl chloride.

(6) "Fabricated product" means a product made wholly or partly from polyvinyl chloride, and which does not require further processing at temperatures, and for times, sufficient to cause mass melting of the polyvinyl chloride resulting in the release of vinyl chloride.

(7) "Hazardous operation" means any operation, procedure, or activity where a release of either vinyl chloride liquid or gas might be expected as a consequence of the operation or because of an accident in the operation, which would result in an employee exposure in excess of the permissible exposure limit.

(8) "OSHA Area Director" means the Director for the Occupational Safety and Health Administration Area Office having jurisdiction over the geographic area in which the employer's establishment is located.

(9) "Polyvinyl chloride" means polyvinyl chloride homopolymer or copolymer before such is converted to a fabricated product.

(10) "Vinyl chloride" means vinyl chloride monomer.

(c) *Permissible exposure limit.* (1) No employee may be exposed to vinyl chloride at concentrations greater than 1 ppm averaged over any 8-hour period, and

(2) No employee may be exposed to vinyl chloride at concentrations greater than 5 ppm averaged over any period not exceeding 15 minutes.

(3) No employee may be exposed to vinyl chloride by direct contact with liquid vinyl chloride.

(d) *Monitoring.* (1) A program of initial monitoring and measurement shall be undertaken in each establishment to determine if there is any employee exposed, without regard to the use of respirators, in excess of the action level.

(2) Where a determination conducted under paragraph (d)(1) of this section shows any employee exposures, without regard to the use of respirators, in excess of the action level, a program for determining exposures for each such employee shall be established. Such a program:

(i) Shall be repeated at least monthly where any employee is exposed, without regard to the use of respirators, in excess of the permissible exposure limit.

(ii) Shall be repeated not less than quarterly where any employee is exposed, without regard to the use of respirators, in excess of the action level.

(iii) May be discontinued for any employee only when at least two consecutive monitoring determinations, made not less than 5 working days apart, show exposures for that employee at or below the action level.

(3) Whenever there has been a production, process or control change which may result in an increase in the release of vinyl chloride, or the employer has any other reason to suspect that any employee may be exposed in excess of the action level, a determination of employee exposure under paragraph (d)(1) of this section shall be performed.

(4) The method of monitoring and measurement shall have an accuracy (with a confidence level of 95 percent) of not less than plus or minus 50 percent from 0.25 through 0.5 ppm, plus or minus 35 percent from over 0.5 ppm through 1.0 ppm, and plus or minus 25 percent over 1.0 ppm. (Methods meeting these accuracy requirements are available in the "NIOSH Manual of Analytical Methods").

(5) Employees or their designated representatives shall be afforded reasonable opportunity to observe the monitoring and measuring required by this paragraph.

(e) *Regulated area.* (1) A regulated area shall be established where:

(i) Vinyl chloride or polyvinyl chloride is manufactured, reacted, repackaged, stored, handled or used; and

(ii) Vinyl chloride concentrations are in excess of the permissible exposure limit.

(2) Access to regulated areas shall be limited to authorized persons. A daily roster shall be made of authorized persons who enter.

(f) *Methods of compliance.* Employee exposures to vinyl chloride shall be controlled to at or below the permissible exposure limit provided in paragraph (c) of this section by engineering, work practice, and personal protective controls as follows:

(1) Feasible engineering and work practice controls shall immediately be used to reduce exposures to at or below the permissible exposure limit.

(2) Wherever feasible engineering and work practice controls which can be instituted immediately are not sufficient to reduce exposures to at or below the permissible exposure limit, they shall nonetheless be used to reduce exposures to the lowest practicable level, and shall be supplemented by respiratory protection in accordance with paragraph (g) of this section. A program shall be established and implemented to reduce exposures to at or below the permissible exposure limit, or to the greatest extent feasible, solely by means of engineering and work practice controls, as soon as feasible.

(3) Written plans for such a program shall be developed and furnished upon request for examination and copying to authorized representatives of the Assistant Secretary and the Director. Such plans shall be updated at least every six months.

(g) *Respiratory protection.* Where respiratory protection is required under this section:

(1) The employer shall provide a respirator which meets the requirements of this paragraph and shall assure that the employee uses such respirator, except that until December 31, 1975, wearing of respirators shall be at the discretion of each employee for exposures not in excess of 25 ppm, measured over any 15-minute period. Until December 31, 1975, each employee who chooses not to wear an appropriate respirator shall be informed at least quarterly of the hazards of vinyl chloride and the purpose, proper use, and limitations of respiratory devices.

(2) Respirators shall be selected from among those jointly approved by the Mining Enforcement and Safety Administration, Department of the Interior, and the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11.

(3) A respiratory protection program meeting the requirements of § 1910.134 shall be established and maintained.

(4) Selection of respirators for vinyl chloride shall be as follows:

Atmospheric concentration of vinyl chloride	*Required apparatus*
(i) Unknown, or above 3,600 ppm	Open-circuit, self-contained breathing apparatus, pressure demand type, with full facepiece.
(ii) Not over 3,600 ppm	(A) Combination type C supplied air respirator, pressure demand type, with full or half facepiece, and auxiliary self-contained air supply; or (B) Type C, supplied air respirator continuous flow type, with full or half facepiece, and auxiliary self-contained air supply.
(iii) Not over 100 ppm	(A) Combination type C supplied air respirator demand type, with full facepiece, and auxiliary self-contained air supply; or (B) Open-circuit self-contained breathing apparatus with full facepiece, in demand mode; or (C) Type C supplied air respirator, demand type, with full facepiece.
(iv) Not over 25 ppm	(A) A powered air-purifying respirator with hood, helmet, full or half facepiece, and a canister which provides a service life of at least 4 hours for concenrations of vinyl chloride up to 25 ppm, or (B) Gas mask, front- or back-mounted canister which provides a service life of at least 4 hours for concentrations of vinyl chloride up to 25 ppm.
(v) Not over 10 ppm	(A) Combination type C supplied-air respirator, demand type, with half facepiece, and auxiliary self-contained air supply; or (B) Type C supplied-air respirator, demand type, with half facepiece; or (C) Any chemical cartridge respirator with an organic vapor cartridge which provides a service life of at least 1 hour for concentrations of vinyl chloride up to 10 ppm.

(5) (i) Entry into unkown concentrations or concentrations greater than 36,000 ppm (lower explosive limit) may be made only for purposes of life rescue; and

(ii) Entry into concentrations of less than 36,000 ppm, but greater than 3,600 ppm may be made only for purposes of life rescue, firefighting, or securing equipment so as to prevent a greater hazard from release of vinyl chloride.

(6) Where air-purifying respirators are used:

(i) Air-purifying cannisters or cartridges shall be replaced prior to the expiration of their service life or the end of the shift in which they are first used, whichever occurs first, and

(ii) A continuous monitoring and alarm system shall be provided where concentrations of vinyl chloride could reasonably exceed the allowable concentrations for the devices in use. Such system shall be used to alert employees when vinyl chloride concentrations exceed the allowable concentrations for the devices in use.

(7) Apparatus prescribed for higher concentrations may be used for any lower concentration.

(h) *Hazardous operations.* (1) Employees engaged in hazardous operations, including entry of vessels to clean polyvinyl chloride residue from vessel walls, shall be provided and required to wear and use;

(i) Respiratory protection in accordance with paragraphs (c) and (g) of this section; and

(ii) Protective garments to prevent skin contact with liquid vinyl chloride or with polyvinyl chloride residue from vessel walls. The protective garments shall be selected for the operation and its possible exposure conditions.

(2) Protective garments shall be provided clean and dry for each use.

(i) *Emergency situations.* A written operational plan for emergency situations shall be developed for each facility storing, handling, or otherwise using vinyl chloride as a liquid or compressed gas. Appropriate portions of the plan shall be implemented in the event of an emergency. The plan shall specifically provide that:

(1) Employees engaged in hazardous operations or correcting situations of existing hazardous releases shall be equipped as required in paragraph (h) of this section;

(2) Other employees not so equipped shall evacuate the area and not return until conditions are controlled by the methods required in paragraph (f) of this section and the emergency is abated.

(j) *Training.* Each employee engaged in vinyl chloride or polyvinyl chloride operations shall be provided training in a program relating to the hazards of vinyl chloride and precautions for its safe use.

(1) The program shall include:

(i) The nature of the health hazard from chronic exposure to vinyl chloride including specifically the carcinogenic hazard;

(ii) The specific nature of operations which could result in exposure to vinyl chloride in excess of the permissible limit and necessary protective steps;

(ii) The purpose for, proper use, and limitations of respiratory protective devices;

(iv) The fire hazard and acute toxicity of vinyl chloride, and the necessary protective steps;

(v) The purpose for and a description of the monitoring program;

(vi) The purpose for, and a description of, the medical surveillance program;

(vii) Emergency procedures;

(viii) Specific information to aid the employee in recognition of conditions which may result in the release of vinyl chloride; and

(ix) A review of this standard at the employee's first training and indoctrination program, and annually thereafter.

(2) All materials relating to the program shall be provided upon request to the Assistant Secretary and the Director.

(k) *Medical surveillance.* A program of medical surveillance shall be instituted for each employee exposed, without regard to the use of respirators, to vinyl chloride in excess of the action level. The program shall provide each such employee with an opportunity for examinations and tests in accordance with this paragraph. All medical examinations and procedures shall be performed by or under the supervision of a licensed physician, and shall be provided without cost to the employee.

(1) At the time of initial assignment, or upon institution of medical surveillance;

(i) A general physical examination shall be performed, with specific attention to detecting enlargement of liver, spleen or kidneys, or dysfunction in these organs, and for abnormalties in skin, connective tissues and the pulmonary system (See Appendix A).

(ii) A medical history shall be taken, including the following topics:

(A) Alcohol intake;

(B) Past history of hepatitis;

(C) Work history and past exposure to potential hepatotoxic agents, including drugs and chemicals;

(D) Past history of blood transfusions; and

(E) Past history of hospitalizations.

(iii) A serum specimen shall be obtained and determinations made of:

(A) Total bilirubin;

(B) Alkaline phosphatase;

(C) Serum glutamic oxalacetic transaminase (SGOT);

(D) Serum glutamic pyruvic transaminase (SGPT); and

(E) Gamma glustamyl transpeptidase.

(2) Examinations provided in accordance with this paragraph shall be performed at least:

(i) Every 6 months for each employee who has been employed in vinyl chloride or polyvinyl chloride manufacturing for 10 years or longer; and

(ii) Annually for all other employees.

(3) Each employee exposed to an emergency shall be afforded appropriate medical surveillance.

(4) A statement of each employee's suitability for continued exposure to vinyl chloride including use of protective equipment and respirators, shall be obtained from the examining physician promptly after any examination. A copy of the physician's statement shall be provided each employee.

(5) If any employee's health would be materially impaired by continued exposure, such employee shall be with-

drawn from possible contact with vinyl chloride.

(6) Laboratory analyses for all biological specimens included in medical examinations shall be performed in laboratories licensed under 42 CFR Part 74.

(7) If the examining physician determines that alternative medical examinations to those required by paragraph (k)(1) of this section will provide at least equal assurance of detecting medical conditions pertinent to the exposure to vinyl chloride, the employer may accept such alternative examinations as meeting the requirements of paragraph (k)(1) of this section, if the employer obtains a statement from the examining physician setting forth the alternative examinations and the rationale for substitution. This statement shall be available upon request for examination and copying to authorized representatives of the Assistant Secretary and the Director.

(l) *Signs and labels.* (1) Entrances to regulated areas shall be posted with legible signs bearing the legend:

CANCER-SUSPECT AGENT AREA AUTHORIZED PERSONNEL ONLY

(2) Areas containing hazardous operations or where an emergency currently exists shall be posted with legible signs bearing the legend:

CANCER-SUSPECT AGENT IN THIS AREA PROTECTIVE EQUIPMENT REQUIRED AUTHORIZED PERSONNEL ONLY

(3) Containers of polyvinyl chloride resin waste from reactors or other waste contaminated with vinyl chloride shall be legibly labeled:

Contaminated with
VINYL CHLORIDE CANCER-SUSPECT AGENT

(4) Containers of polyvinyl chloride shall be legibly labeled:

POLYVINYL CHLORIDE (OR TRADE NAME)
Contains
VINYL CHLORIDE
VINYL CHLORIDE IS A CANCER-SUSPECT AGENT

(5) Containers of vinyl chloride shall be legibly labeled either:

(i)

VINYL CHLORIDE
EXTREMELY FLAMMABLE GAS UNDER PRESSURE
CANCER-SUSPECT AGENT

or (ii) In accordance with 49 CFR Part 173, Subpart H, with the additional legends:

CANCER-SUSPECT AGENT

applied near the labor or placard.

(6) No statement shall appear on or near any required sign, label or instruction which contradicts or detracts from the effect of, any required warning, information or instruction.

(m) *Records.* (1) All records maintained in accordance with this section shall include the name and social security number of each employee where relevant.

(2) Records of required monitoring and measuring, medical records, and authorized personnel rosters, shall be made and shall be available upon request for examination and copying to authorized representatives of the Assistant Secretary and the Director.

(i) Monitoring and measuring records shall:

(A) State the date of such monitoring and measuring and the concentrations determined and identify the instruments and methods used;

(B) Include any additional information necessary to determine individual employee exposures where such exposures are determined by means other than individual monitoring of employees; and

(C) Be maintained for not less than 30 years.

(ii) Authorized personnel rosters shall be maintained for not less than 30 years.

(iii) Medical records shall be maintained for the duration of the employment of each employee plus 20 years, or 30 years, whichever is longer.

(3) In the event that the employer ceases to do business and there is no successor to receive and retain his records for the prescribed period, these records shall be transmitted by registered mail to the Director, and each employee individually notified in writing of this transfer.

(4) Employees or their designated representatives shall be provided access to examine and copy records of required monitoring and measuring.

(5) Former employees shall be provided access to examine and copy required monitoring and measuring records reflecting their own exposures.

(6) Upon written request of any employee, a copy of the medical record of that employee shall be furnished to any physician designated by the employee.

(n) *Reports.* (1) Not later than 1 month after the establishment of a regulated area, the following information shall be reported to the OSHA Area Director. Any changes to such information shall be reported within 15 days.

(i) The address and location of each establishment which has one or more regulated areas; and

(ii) The number of employees in each regulated area during normal operations, including maintenance.

(2) Emergencies, and the facts obtainable at that time, shall be reported within 24 hours to the OSHA Area Director. Upon request of the Area Director, the employer shall submit additional information in writing relevant to the nature and extent of employee exposures and measures taken to prevent future emergencies of similar nature.

(3) Within 10 working days following any monitoring and measuring which discloses that any employee has been exposed, without regard to the use of respirators in excess of the permissible exposure limit, each such employee shall be notified in writing of the results of the exposure measurement and the steps being taken to reduce the exposure to within the permissible exposure limit.

(o) *Effective dates.* (1) Until January 1, 1975, the provisions currently set forth in § 1910.93q of this Part shall apply.

(2) Effective January 1, 1975, the provisions set forth in § 1910.93q of this Part shall apply.

APPENDIX A—SUPPLEMENTARY MEDICAL INFORMATION

When required tests under paragraph (k)(1) of this section show abnormalities, the tests should be repeated as soon as practicable, preferably within 3 to 4 weeks. If tests remain abnormal, consideration should be given to withdrawal of the employee from contact with vinyl chloride, while a more comprehensive examination is made.

Additional tests which may be useful:

A. For kidney dysfunction: urine examination for albumin, red blood cells, and exfoliative abnormal cells.

B. Pulmonary system: Forced vital capacity, Forced expiratory volume at 1 second, and chest roentgenogram (posterior-anterior, 14 x 17 inches).

C. Additional serum tests: Lactic acid dehydrogenase, lactic acid dehydrogenase isoenzyme, protein determination, and protein electrophoresis.

D. For a more comprehensive examination on repeated abnormal serum tests: Hepatitis B antigen, and liver scanning.

(Secs. 6 and 8, 84 Stat. 1596, 1599 (29 U.S.C. 655, 657); Secretary of Labor's Order No. 12-71, 36 FR 8754)

Signed at Washington, D.C., this 1st day of October, 1974.

JOHN STENDER,
Assistant Secretary of Labor.

[FR Doc.74-23176 Filed 10-1-74;3:54 pm]

CHAPTER XVII—OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, DEPARTMENT OF LABOR

PART 1910—OCCUPATIONAL SAFETY AND HEALTH STANDARDS

Standard for Exposure to Vinyl Chloride; Corrections

In FR Doc. 74-23176 beginning at 39 FR 35890 in the issue dated Friday, October 4, 1974, there were a number of typographical errors and the inadvertent omission from the document of the type C supplied air respirator, continuous flow type, with full or half facepiece helmet or hood for exposures not over 1,000 ppm.

As was stated in the preamble to the standard, we concluded that the suggestions of Edwin Hyatt, the OSHA consultant on respirators, were meritorious, and we intended to closely follow the recommendations contained in his testimony (39 FR 35894, 2nd column, 4th paragraph). Hyatt and several industrial spokesmen recommended the use of certain respirators, including the type C supplied air respirator, continuous flow type, with full or half facepiece, helmet or hood for exposures not over 1,000 ppm (see e.g. Tr. 92-3, 317). All of the respirators that were recommended by Hyatt were included in the Document, except for the type C supplied air respirator, continuous flow type, with full or half facepiece, helmet or hood, which was not included in the document solely because of an inadvertent omission.

Accordingly, FR Doc. 74-23176 beginning at 39 FR 35890 of the issue dated Friday, October 4, 1974, is corrected as follows:

1. In paragraph I(2), 1st paragraph, 17th line (2nd column, 35890) by changing "(30 FR 3874)" to read "(39 FR 3874)".

2. In paragraph I(7), 22nd line (1st column, 35891), by changing "experience" to read "expertise".

3. In paragraph II(2), 4th paragraph, 3rd line (3rd column, 35891), by changing "necesasrily" to read "necessarily".

4. In paragraph II(4), 4th paragraph, 5th line (3rd column, 35892), by changing "unacceptable" to read "unacceptably".

5. In paragraph III(2), 2nd paragraph, 6th line (2nd column, 35893), by changing "release" to read "releases".

6. In paragraph III(7), 6th paragraph, 8th and 9th lines (2nd column, 35894) by changing ". . . testimony of SPI and B. F. Goodrich (TR" to read ". . . testimony. Industrial spokesman also agreed".

7. In paragraph III(10), 2nd paragraph, 7th line (1st column, 35895) by changing "unwieldly" to read "unwieldy".

8. In paragraph III(15), 2nd paragraph, 2nd line (1st column 35896) by changing "proceding" to read "proceeding".

9. In § 1910.93q(a)(1), 5th line, (1st column 35896) by changing "75015" to read "75014".

10. In § 1910.93q(b)(7), 5th line (2nd column 35896), by changing "bceause" to read "because".

11. In § 1910.93q(g)(4)(ii)(B), 1st line (2nd column 35897) by changing "Type" to read "Combination type".

12. In § 1910.93q(g)(4) (1st column 35897) by renumbering paragraphs (iii) through (v) as (iv) through (vi) and by inserting a new paragraph (iii) to read as follows:

"(iii) Not over 1,000 ppm.	Type C, supplied air respirator, continuous flow type, with full or half facepiece, helmet or hood."

13. In § 1910.93q(j), 16th line (2nd column 35897) by changing "(ii)" to read "(iii)".

14. In § 1910.93q(l)(1), lines 4 and 5 (1st column 35898) by changing:

CANCER-SUSPECT AGENT AREA AUTHORIZED PERSONNEL ONLY

to read:

CANCER-SUSPECT AGENT AREA AUTHORIZED PERSONNEL ONLY

15. In § 1910.93q(l)(2), lines 5, 6 and 7 (1st column 35898) by changing:

CANCER-SUSPECT AGENT IN THIS AREA PROTECTIVE EQUIPMENT REQUIRED AUTHORIZED PERSONNEL ONLY

to read:

CANCER-SUSPECT AGENT IN THIS AREA PROTECTIVE EQUIPMENT REQUIRED AUTHORIZED PERSONNEL ONLY

16. In § 1910.93q (1)(3), lines 5 and 6 (1st column 35898) by changing:

CONTAMINATED WITH VINYL CHLORIDE CANCER-SUSPECT AGENT

to read:

CONTAMINATED WITH VINYL CHLORIDE CANCER-SUSPECT AGENT

17. In § 1910.93q(l)(5)(ii), lines 1 and 2 (1st column 35898) by changing "Part 173, Subpart H" to read "Parts 170-189". In Line 3 by changing "legends" to read "legend", and in line 5, by changing "labor" to read "label".

18. In § 1910.93q(n)(3), line 5, (3rd column 35898) by inserting a comma after the word "respirators".

Signed at Washington, D.C. this 29th day of November, 1974.

JOHN STENDER,
Assistant Secretary of Labor.

[FR Doc.74-28319 Filed 12-2-74;8:45 am]

FEDERAL REGISTER, VOL. 39,
NO. 233—TUESDAY, DECEMBER 3, 1974

Title 29—Labor

CHAPTER XVII—OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, DEPARTMENT OF LABOR

PART 1910—OCCUPATIONAL SAFETY AND HEALTH STANDARDS

Standard for Exposure to Vinyl Chloride; Effective Date

Pursuant to sections 6(b) and 8(g)(2) of the Occupational Safety and Health Act of 1970 (84 Stat. 1593), 1600; 29 U.S.C. 655, 657), Secretary of Labor's Order No. 12-71 (36 FR 8754) and 29 CFR Part 1911, § 1910.93q of Part 1910 of Title 29, Code of Federal Regulations, is hereby amended in the manner set forth below. This amendment is made in order to conform the dates in paragraphs (g)(1), (o)(1) and (o)(2) of § 1910.93q to the order of the United States Court of Appeals for the Second Circuit in "The Society of the Plastics Industry, Inc., v. Occupational Safety and Health Administration," (Docket Nos. 74-2284, 74-2286, 74-2308, 74-2345, 74-2449, 74-2450, 74-2491, 74-2585, 74-2609, January 31, 1975).

A final standard for occupational exposure to vinyl chloride was published in the FEDERAL REGISTER on October 4, 1974 (39 FR 35890). The standard provided comprehensive requirements to protect employees, which requirements were to become effective on January 1, 1975. The standard also provided for a continuation of the provisions of the emergency temporary standard (39 FR 12341) until the new standard became effective. In addition, some of the respiratory protection requirements in the new standard were not to become mandatory until after December 31, 1975.

Upon the publication of the final standard, manufacturers of vinyl chloride and vinyl chloride products filed petitions challenging the validity of the standard in several U.S. Courts of Appeals. The petitions were consolidated in the U.S. Court of Appeals for the Second Circuit where oral arguments were heard on December 13, 1974. The Court of Appeals decided, on January 31, 1975, to deny the petitions for review and to affirm the standard. Because of the passage of time, however, the court ordered that the January 1, 1975, effective date be delayed for 60 days after the date of its decision, and that the special time requirement for mandatory respiratory protection contained in 29 CFR 1910.93q (g)(1) be rescheduled accordingly. Therefore, to conform the standard to the court's order and thereby avoid any confusion as to effective date, §1910.93q of Part 1910 of Title 29, Code of Federal Regulations, is hereby amended as set forth below.

§ 1910.93q [Amended]

1. Paragraph (g)(1) of § 1910.93q is amended by changing the date "December 31, 1975" in each of the first two sentences to "April 1, 1976."

2. Paragraphs (o)(1) and (o)(2) of effective date "January 1, 1975" in both § 1910.93q are amended by changing the paragraphs to "April 1, 1975."

(Secs. 6 and 8, Pub. Law 91-596, 84 Stat. 1593, 1600 (29 U.S.C. 655, 657); Secretary of Labor's Order No. 12-71, (36 FR 8754))

Signed at Washington, D.C. this 18th day of March, 1975.

JOHN STENDER,
Assistant Secretary of Labor.

[FR Doc.75-7727 Filed 3-24-75;8:45 am]

FEDERAL REGISTER, VOL. 40,
NO. 58—TUESDAY, MARCH 25, 1975

Appendix V

PART 170—WORKER PROTECTION STANDARDS FOR AGRICULTURAL PESTICIDES

Restatement of Certain Existing Standards

The Environmental Protection Agency adopts this Part 170 as standards and procedures governing worker protection requirements for pesticides and herein reiterates certain existing requirements having a bearing on this area.

Background information and basis for the standards. Since 1947 pesticide products have been subject to regulation under the Federal Insecticide, Fungicide and Rodenticide Act ("FIFRA;" 7 U.S.C. 135 et seq.) and have been and are required to be properly registered with this Agency. Before a pesticide was registered by the Agency, products were reviewed and evaluated with respect to usefulness and the risks they posed to man, beneficial animals, and the environment. This evaluation of risks included consideration of potential hazards to pesticide applicators and others including farm workers who might come in contact with the product during transportation, storage, application, or after the product had been applied. After an evaluation of these risks, determinations were made as to directions for use, warning statements, and restrictions, including reentry times, necessary to protect man and the environment.

Concern for the protection of all persons, including farm workers, who might be exposed to pesticides during and after application has been an integral part of the FIFRA registration process for many years. Restrictions against workers entering treated fields have been required for many pesticide products. These restrictions include label requirements specifying a permissible field reentry time to requirements for protective clothing, warnings against unnecessarily exposing workers to the risks posted by pesticides and specific exposure precautions. Since pesticide products on the market vary widely in toxicity and formulations, label requirements by EPA and predecessor Agencies, have been established on the basis of a careful chemical and crop use analysis.

The 1972 Amendments to the Federal Insecticide, Fungicide and Rodenticide Act (86 Stat. 973) retain pesticide registration and labeling as the primary standard setting vehicle. But the statute broadens Federal pesticide regulatory authority by making it "unlawful for any person to use any registered pesticide in a manner inconsistent with its labeling" (7 U.S.C. 136j(a)(2)(G)). These new provisions are essential to the broad purpose of the new Act to protect man and the environment from unreasonable adverse effects of pesticides.

Notices of proposed rulemaking. Pursuant to its authority and responsibility under FIFRA, as amended, to provide protection for farm workers exposed to pesticides, a notice was published in the FEDERAL REGISTER on July 31, 1973 (38 FR 20361) notifying interested parties of the intent of EPA to hold public hearings on the subject of farm worker protection and proposing certain standards in this area. The schedule of hearings was amended by further notices in the FEDERAL REGISTER on August 31 and October 12, 1973 (38 FR 21694, 38 FR 23556). Hearings at 13 locations throughout the United States were completed in an attempt to obtain as much relevant information as possible to permit sound determinations on these and other issues.

Based on an evaluation of the hearing record and other available information, a second notice of proposed rulemaking was published in the FEDERAL REGISTER on March 11, 1974 (39 FR 9457). Interested parties were requested to submit their views on this proposal on or before April 12, 1974. After receiving several requests for additional time, this comment period was extended until April 26, 1974 (39 FR 13179).

The response to this proposal was unusually heavy with approximately 1000 written statements submitted and several conferences with interested parties. Written statements were received from growers, grower organizations, farm labor organizations, pesticide manufacturer organizations representatives of Federal and State local governments, the academic community, and general public interest groups. While the position taken by interested parties varied considerably on the specific provisions of the proposed regulations, they can generally be summarized as follows:

1. A majority of the comments received stressed that there is no proven need for additional restrictions as proposed. They expressed the belief that current labeling restrictions provide protection to farm workers from pesticide poisonings.

2. Several of the proposed definitions were confusing and comments urged simplification and clarification of these terms. This was particularly true with respect to the definition of "farm worker" or "worker" as proposed. The inclusion of children under 12 years of age who might be in the field at any time for any reason was strongly protested as to its relevance to worker protection.

The definition of protective clothing

was opposed as inadequate by growers, manufacturers and labor groups. They expressed the view that gloves would increase the hazard by increasing absorption of pesticide residues confined in the gloves. The requirement of a hat with a brim was considered impractical since it would be very difficult to keep on the head during many hand labor operations such as fruit thinning, and thus may increase hazard as contrasted with other head coverings.

3. The proposed 12 hour post-application time was indicated to be arbitrary and that many operations can be carried out safely within 12 hours after application and commonly recognized safe practices require this. It was further pointed out that under certain drying conditions 12 hours is not adequate to assure drying of sprays.

4. Posting treated fields as expressed in the proposed regulations is impractical, ineffective and prohibitively expensive if required for all pesticide applications. Concern over warning workers was encouraged but the method was different depending upon crop oriented and worker related practices.

5. Comments concerning those highly toxic materials specified in § 170.6 which would require a 48 hour post-application time stressed that differences in crops, dosages and geographical areas should be more adequately considered before establishing a national standard of this type. Specific studies, experience and examples were cited. Some authorities felt that certain of the chemicals designated in this section did not warrant a 48 hour post-application time and requested reduction of the interval or deletion of the chemical from the list. The inclusion of Galecron/Fundal in this section caused particular concern because of the relatively low dermal toxicity and the record of safe use.

6. Many of those responding expressed great concern over the proposed harvest entry times in §§ 170.100 through 170.113. The application of preharvest intervals established in connection with registration and tolerance setting to worker protection was challenged as unwarranted and unrelated. The State of California has established reentry times for certain pesticides on specific crops which are equal to or exceed the preharvest interval. These are, however; designed to solve specific local problems and could be continued.

Applicability of existing standards. Labeling for currently registered products are required to bear adequate directions for use, warnings and cautions which are designed to prevent injury to man and the environment, and any additional restrictions necessary to prevent illegal contamination of food or feed. The necessary protective clothing and equipment to protect the applicator and other persons involved in handling and applying pesticides are set forth on the label or each pesticide product.

Labeling restrictions have been developed to prevent illegal contamination of feed and food. Prior to registration of pesticides for use on crops, tolerances or other clearances under the Food, Drug, and Cosmetic Act (68 Stat. 514 (21 U.S.C. 246a)) are established to cover any residues which can reasonably be expected to remain on food or feed at harvest. As a part of the registration and tolerance setting process, the timing and rate of application and a minimum period of time between last application and harvest is clearly defined. For example, a label for a parathion product bearing directions for use on applies must include a statement such as: Do not apply within 14 days of harvest. This is the period of time determined to be necessary for the reduction of residues on the fruit to a level below the one part per million tolerance.

While the initial consideration in establishment of preharvest intervals is normally the reduction of residues on the crops to acceptable levels, they are usually more than adequate to protect workers who are harvesting the crop from excessive residues on the fruit and foliage.

EPA requirements and precautions for pesticide use, including farmworker reentry times, are contained on the labels of a number of presently registered pesticide products and have been contained therein for some years. Label use restrictions are presently enforceable by law with both civil and criminal penalties for misuse under sections 12 and 14 of FIFRA as amended (7 U.S.C. 136j(a)(2)(G), 1361(a)). Labeling includes not only material affixed to the pesticide container, but all other instructional material accompanying the product in the channels of trade. In addition to the standards herein adopted, the Agency will continue to enforce current and future label requirements including directions for use and precautionary statements which are crop/use oriented and more restrictive.

Establishment or Worker Protection Standards. After consideration of the responses to the March 11 proposal, reevaluation of the hearing record and other available information, it has been determined that additional general standards should be adopted as a precaution against possible adverse effects to farm workers. The regulations issued herewith include the following provisions:

1. A prohibition against applying pesticides when unprotected workers are in the area being treated.

2. A requirement that unprotected workers not enter fields treated with pesticides until sprays have dried or dusts have settled (with noted exceptions for longer reentry times or situations not requiring reentry times).

The March 11 proposal would have required a 12 hour period immediately following treatment during which time workers would not be permitted in treated fields unless protective clothing was worn. After consideration of the responses to this proposal it was determined that waiting until sprays dried or dusts settled was more practical and would in many cases provide greater protection to workers than the 12 hour period. It was indicated also that sprays applied to crop during the late afternoon may require more than 12 hours to dry if followed by heavy dew.

3. A listing of certain highly toxic pesticides (as determined by 40 CFR 162.8) which requires a longer reentry time is indicated in § 170.3. A thorough review of the data on these pesticides and the comments received in response to the March 11 proposal supports this action. Reentry times of 24—48 hours are established for 12 highly toxic pesticides. The March 11 proposal would have placed Galecron/Fundal in this category. A reevaluation of the dermal toxicity and the absence of any reported cases of illness resulting from exposure to crops treated with this pesticide has convinced EPA that the March 11 proposal with respect to Galecron Fundal is not warranted.

The proposed 48 hour interval has been reduced to 24 hours for Guthion, Phosalone, EPM and Ethion. This was based largely on the experience of regulatory agencies who have determined through experience that a 24 hour period is adequate.

4. A description of the protective clothing requirements for workers who must enter treated fields prior to expiration of the designated "reentry time". The requirement of a wide brimmed hat and fingerless gloves as proposed in the March 11 notice has been modified.

5. If labeling is more restrictive than the standards set forth, the labeling restrictions will take precedence over the requirements stated in the general regulations.

6. Situations where these requirements will not apply because of other restrictions or their non-agricultural aspects have been specifically provided for. This includes situations where the risk is not considered to warrant restrictions beyond those required on labeling and certain agricultural and non-agricultural applications to which these standards are not addressed.

7. A requirement that workers be given appropriate and timely warnings when working in fields to be treated with pesticides is retained. The March 11 proposal would have required posting for fields treated with any pesticide. This has been shown to be unworkable and unnecessary for all cases. The requirement that warning be given to workers or that fields be properly posted or both is considered to be feasible and adequate and is provided for in the final regulation.

8. A recognition of state responsibility and authority to set additional restrictions to meet local problems as warranted, and sanction of such action by EPA. The record indicates the significance, if not the scientific basis, of different problem severity in different geographical/climatic regimens. EPA will

encourage states to carry out this responsibility.

9. The March 11 proposal would have established "harvest entry times" equal to the preharvest intervals on a chemical/crop basis for 13 highly toxic pesticides. During this time farm workers not wearing proposed protective clothing would not have been permitted to enter treated fields to harvest crops or perform other work resulting in more than one half hour per workday of exposure to treated crops. While it was recognized that such "harvest entry times" would provide potential over-protection of workers, it was presumed that this would not work an undue hardship on growers or farm workers. This presumption has proven to be incorrect based on numerous statements of growers, grower associations, Federal and state research, extension and regulatory agencies, and individuals. It has been shown that entry after 48 hours following treatment is often necessary under conditions that would make protective clothing impractical and unnecessary.

These worker protection standards will be subject to a continuing review and various provisions will be added, deleted, or amended as warranted by new or additional information. The specific standards set forth in 170.3(b)(ii) and the exemptions set forth in 170.4(c) will be of a continuing nature with additions and changes made as research results become available or reviews of existing data are completed. EPA is sponsoring a number of research programs to determine what adverse effects if any may be expected when workers are exposed to crops treated with certain commonly used pesticides. Examples of the pesticide use pattern to be investigated include the use of parathion on citrus in California and the use of parathion on peaches in the State of Washington. In addition EPA will be issuing regulations and guidelines under the amended FIF RA which will set forth more specific requirements for registration with respect to reentry problems.

Further Restrictions by States:

State agencies have responsibilities for the control of pesticides under State laws. The California Department of Food and Agriculture has under state law established reentry intervals and other requirements for certain pesticide uses based on special problem situations arising within that State. When special situations exist which require restrictions to protect workers in addition to those set by this Agency, the responsible State agencies are encouraged to establish such additional restrictions as warranted by available data. State agencies should report such information and actions to EPA so that consideration may be given to the need for additions or changes in the national standards. EPA will cooperate with state agencies in the evaluation of local problems and encourages establishment and compliance with state restrictions which are more stringent than those set forth above.

Pursuant to the authority vested in me by section 25 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (86 Stat. 997), this part 170 is adopted and shall become effective on June 10, 1974. Registrants with products currently registered under the Act will be advised of any required labeling changes to reflect these requirements.

Dated: May 8, 1974.

JOHN QUARLES,
Acting Administrator.

Sec.
170.1 General.
170.2 Definitions.
170.3 General standard.
170.4 State standards, labels and exemptions.
170.5 Warnings.

170.1 General.

This part contains occupational safety and health standards for farm workers performing hand labor operations in fields after ground (other than those incorporated into the soil), aerial or other type of application of pesticides.

170.2 Definitions.

Terms used in this subpart shall have the meanings set forth for such terms in the Act. In addition, as used in this subpart, the following terms shall have the meanings stated below:

(a) The term "reentry time" means the period of time immediately following the application of a pesticide to a field when unprotected workers should not enter as provided for in § 170.3(b).

(b) The term "farm worker" or "worker" means any person or persons engaged in agricultural hand labor in the field.

(c) The term "field" means any treated land area, or part thereof, upon which one or more pesticides are used for agricultural purposes, all as specified by this part.

(d) The term "protective clothing" means at least a hat or other suitable head covering, a long sleeved shirt and long legged trousers or a coverall type garment (all of closely woven fabric covering the body, including arms and legs), shoes and socks.

170.3 General standard.

(a) *Application.* No owner or lessee shall permit the application of a pesticide in such a manner as to directly or through drift expose workers or other persons except those knowingly involved in the application. The area being treated must be vacated by unprotected persons.

(b) *Reentry times.* (1) No owner or lessee shall permit any worker not wearing protective clothing (under § 170.2 (d)) to enter a field treated with pesticides until sprays have dried or dusts have settled, unless exempted from such requirements, or a longer reentry time has been assigned to that pesticide;

(2) Pesticides containing the following active ingredients have a reentry time of at least the interval indicated:

	Hours
(i) Ethyl parathion	48
(ii) Methyl parathion	48
(iii) Guthion	24
(iv) Demeton	48
(v) Azodrin	48
(vi) Phosalone	24
(vii) Carbophenothion	48
(viii) Metasystox-R	48
(ix) EPN	24
(x) Bidrin	48
(xi) Endrin	48
(xii) Ethion	24

(3) The preceding requirements of this part notwithstanding, workers should not be permitted to enter treated fields if special circumstances exist which would lead a reasonable man to conclude that such entry would be unsafe.

170.4 State standards, labels and exemptions.

(a) Nothing herein shall prevent a duly authorized state regulatory agency from setting and enforcing more restrictive standards for workers in fields treated with pesticides,

(b) If the label for a pesticide bears restrictions against workers entering treated fields which are more stringent than those set forth above, the label restrictions shall apply,

(c) The restrictions set forth in this part shall not apply with respect to:

(1) Mosquito abatement treatments and related public pest control programs;

(2) Greenhouse treatments which are applied in accordance with labeling directions and restrictions;

(3) Livestock and other animal treatments which are applied in accordance with labeling directions and restrictions;

(4) Treatment of golf courses and similar non-agricultural areas which are applied in accordance with labeling directions and restrictions.

170.5 Warnings.

(a) When workers are expected to be working in a field treated or to be treated with a pesticide, appropriate and timely warning to such workers shall be given. The warning may be given orally and/or by posting warning signs at the usual points of entrance to the field, and/or on bulletin boards at points where the workers usually assemble for instructions. Where any person has reason to believe that a farm worker is unable to read, he shall give the farm worker oral warning and make reasonable effort to ensure understanding of such warning. When required, warnings shall be given in appropriate languages other than the English language. Oral warnings should be given in such a manner as to inform workers of areas or fields which should not be entered without protective clothing, the period of time the area or field should be vacated and actions to take in case of accidental exposure.

[FR Doc.74-10995 Filed 5-9-74;10:06 am]

APPENDIX VI

CRITERIA DOCUMENTS PUBLISHED BY NIOSH

Criteria documents for recommended standards for occupational exposures have been individually published for the following hazards.

Ammonia
Arsenic
Asbestos
Benzene
Beryllium
Carbon Monoxide
Chloroform
Chromic Acid
Coke Oven Emissions
Cotton Dust
Crystalline Silica
Hot Environments
Identification System for Occupationally Hazardous Materials
Inorganic Lead
Inorganic Mercury
Noise
Sulfuric Acid
Sulfur Dioxide
Toluene
Toluene Diisocyanate
Trichloroethylene
Ultraviolet Radiation
Vinyl Chloride
Xylene

Copies of these criteria documents may be acquired from the National Technical Information Service, Springfield, Virginia 22151 or from the Government Printing Office, Washington, D.C. 20402

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Appendix VII

Title 42—PUBLIC HEALTH

Chapter I—Public Health Service, Department of Health, Education, and Welfare

SUBCHAPTER G—OCCUPATIONAL SAFETY AND HEALTH RESEARCH AND RELATED ACTIVITIES

PART 85—REQUESTS FOR HEALTH HAZARD EVALUATIONS

On March 17, 1972, a notice of proposed rule making was published in the FEDERAL REGISTER (37 F.R. 5634) which prescribed the conditions and procedures for conducting health hazard evaluations pursuant to section 20(a)(6) of the Occupational Safety and Health Act of 1970 (29 U.S.C. 669(a)(6)). That section directs the Secretary of Health, Education, and Welfare to determine, following a written request by any employer or authorized representative of employees, whether any substance normally found in a place of employment has potentially toxic effects in such concentrations as used or found and further provides that such determinations shall be submitted to the appropriate employer and affected employees.

Interested persons were invited to submit, within 30 days, written comments, suggestions, or objections regarding the proposed regulations.

In addition, on June 20, 1972, the proposed regulations and the issues raised by the public comments concerning them were discussed with the National Advisory Committee on Occupational Safety and Health established by section 7 of the Occupational Safety and Health Act. All public comments, as well as the views expressed by the members of the Committee, have been taken into consideration with the result that a number

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of changes, as discussed below, have been made in the regulations which were proposed. All comments in response to the rules as proposed and the transcript of the Committee proceedings on June 20 are available for public inspection at the National Institute for Occupational Safety and Health, Room 10-05, 5600 Fishers Lane, Rockville, MD.

1. *Applicability.* A statement has been added to the applicability section to indicate that Part 85 is not intended to preclude the use of other channels of communication with the National Institute for Occupational Safety and Health (NIOSH) to obtain information and assistance concerning toxic substances.

2. *Definitions.* Definitions of the terms "investigation" and "health hazard evaluation" have been added and these terms have been used throughout Part 85 in an effort to distinguish the physical inspection of a place of employment by NIOSH in conducting a health hazard evaluation, from the compliance inspection conducted by the Department of Labor. The definition of "toxic effects" has been revised to exclude those which produce acute discomfort.

3. *Procedures for requesting evaluations.* The main thrust of the comments on the procedures for requesting evaluations went to the question of who should be considered an "authorized representative of employees". The comments ranged from a suggestion that any individual employee should be allowed to make the request, to the contention that the authorized representatives should be limited to those who represent the employees for purposes of collective bargaining. The final regulations provide that an authorized representative may be either: (1) A representative for purposes of collective bargaining; (2) an employee of the employer who has written authorization from two or more employees employed in the work place where the substance is normally found, to represent them for purposes of the Act; or (3) where three or less employees are employed in the work place where the substance is normally found, any one of such employees. Objections to the Institute's withholding the identity of requesters have been considered and rejected. Such protection is, in our judgment, necessary to assure utilization of this procedure by employees. The option to withhold the requester's identity has been extended to those who have authorized the requester to represent them. Copies of these written authorizations must accompany the request.

4. *Authority for investigation.* The section has been amended to make clear that the duty to conduct a health hazard evaluation and the authority to investigate and inspect for purposes of conducting that evaluation extend only to the place of employment with respect to which the request has been made, which under the definition of "place of employment" can be the entire factory or a single work place.

5. *Advance notice of visits.* NIOSH experience over the last several months has revealed that failure to give advance notice can interfere with a thorough and effective plant visit and thus impede the health hazard evaluation. The very process to which the request is directed may not be in operation on the day of the visit and the problem becomes even more serious when the place of employment is not readily accessible. Furthermore, the employer and, in the case of employee requests, the employees may wish to have a particular representative accompany the NIOSH officer. The surprise visit would conflict with this desire. The Institute, after considering all comments on this matter, has concluded that the evil which this surprise visit is intended to avoid—the misrepresentation of actual production conditions—can be avoided by exercise of the authority under section 8 to conduct private interviews with appropriate employees. Thus, the Institute's decision to give employers advance notice must be read in the light of the authority of NIOSH to question employees privately.

Accordingly, the section on advance notice (§ 85.6) has been completely revised to provide that advance notices of visits to the place of employment may be given to expedite a thorough and effective investigation. Advance notice will not be given when, in the judgment of the NIOSH officer, giving such notice would adversely affect the validity and effectiveness of an investigation. In the case of employee requests, advance notice will be given by the Institute to the requester, the representative of the employees for purposes of collective bargaining if such representative is other than the requester, and to the employer. Where the request is from the employer, advance notice will be given to such employer and, upon the request of the employer, to an authorized representative of employees.

6. *Conduct of investigations.* The major change in section 85.7 concerns trade secret information. This provision has been expanded to set forth the procedure where the Institute questions the designation by an employer of certain information as trade secret information. Where the Institute questions the identification, the employer will be given written notice of the Institute's intention to remove the trade secret designation from such information. The employer may within that period request reconsideration and provide additional information in support of the trade secret designation. If, after reconsideration, the decision of NIOSH is to remove the designation, the employer shall then be notified. Since the decision does not become effective until 15 days after the date of the written notice, the employer has the opportunity to take appropriate steps to retain the trade secret designation.

7. *Representatives of employers and employees; employee requests.* This section of the regulations has been revised to provide that in the case of employee requests, a representative authorized by the employees shall be given an opportunity to accompany the NIOSH officer during the initial physical inspection of the workplace. Since NIOSH experience in the conduct of this program indicates that visits subsequent to the initial inspection are principally for the purpose of environmental sampling and medical examinations, the presence of the representative of employees will not be routinely requested during these aspects of the investigation.

8. *Imminent dangers.* In response to a number of comments, the term "serious hazard" has been deleted and the statutory phrase "imminent danger" has been substituted therefor.

9. *Notification of determination to employers, affected employees and Department of Labor.* The method of notifying affected employees of the determination was the subject of a substantial number of comments. Section 85.11 requires that the employer post a copy of the determination at or near the work places of the affected employees. However, no posting is required if the employer requests NIOSH to mail copies to the affected employees and furnishes the Institute with a list of the names and mailing addresses of the employees determined by NIOSH to be exposed to the substance which is the subject of the health hazard evaluation.

Effective date. These regulations shall be effective 30 days after their publication in the FEDERAL REGISTER.

Dated: October 16, 1972.

VERNON E. WILSON,
Administrator, Health Services and Mental Health Administration.

Approved: October 30, 1972.

ELLIOT L. RICHARDSON,
Secretary.

Sec.

85.1 Applicability.
85.2 Definitions.
85.3 Procedures for requesting health hazard evaluations.
85.4 Acting on requests.
85.5 Authority for investigations.
85.6 Advance notice of visits.
85.7 Conduct of investigations.
85.8 Provision of suitable space for employee interviews and examinations; identification of employees
85.9 Representatives of employers and employees; employee requests.
85.10 Imminent dangers.
85.11 Notification of determination to employers, affected employees, and Department of Labor.
85.12 Subsequent requests for health hazard evaluations.

AUTHORITY: The provisions of this Part 85 issued under the authority of section 8(g), 84 Stat. 1600; 29 U.S.C 657(g).

§ 85.1 Applicability.

The provisions of this Part 85 are applicable to requests submitted by any employer or authorized representative of employees pursuant to section 20(a)(6) of the Occupational Safety and Health Act of 1970 for a determination of potentially toxic effects of any substance normally used or found in any place of employment to which the Act is applicable. This Part 85 is not intended

to preclude the use of other channels of communication with the National Institute for Occupational Safety and Health to obtain information and technical assistance related to toxic substances.

§ 85.2 Definitions.

Any term defined in the Occupational Safety and Health Act of 1970 and not defined below shall have the meaning given it in the Act. As used in this part:

(a) "Act" means the Occupational Safety and Health Act of 1970 (29 U.S.C. 651, et seq.).

(b) "Authorized representative of employees" means any person or organization meeting the conditions specified in § 85.3(b)(4) (i), (ii), or (iii).

(c) "Investigation" includes a physical inspection of the place of employment pursuant to section 8 of the Act and means such inspection, sampling, observations, and other measurements reasonably necessary to determine whether any substance found in the place of employment for which the request is made has potentially toxic effects in such concentrations as used or found.

(d) "Health hazard evaluation" means the investigation and the determination of potentially toxic effects of any substance normally used or found in any place of employment to which the Act is applicable.

(e) "Place of employment" means any factory, plant, establishment, construction site, or other area, workplace, or environment where work is performed by any employee of an employer.

(f) "NIOSH" means the National Institute for Occupational Safety and Health.

(g) "NIOSH officer" means a person authorized by NIOSH to conduct investigations.

(h) "Substance means any chemical or biological agent which has the potential to produce toxic effects.

(i) "Toxic effects" are those which result in short- or long-term disease, bodily injury, affect health adversely, or endanger the life of man.

§ 85.3 Procedures for requesting health hazard evaluations.

(a) A request for a health hazard evaluation should be addressed to the National Institute for Occupational Safety and Health, Hazard Evaluation Services Branch, U.S. Department of Health, Education, and Welfare, Cincinnati, Ohio 45202.

(b) A request for such an evaluation shall:

(1) Be in writing and signed by (i) the employer in whose place of employment the substance is normally found, or (ii) by an authorized representative of employees who are employed by such employer;

(2) State the requester's name, address, and telephone number, if any; the address of the place of employment where the substance is normally found; the specific workplace or workplaces involved, and the specific process or type of work which is the source of the substance or in which such substance is used;

(3) Specify with reasonable particularity the nature of the conditions, circumstances, or other grounds on which the request is made;

(4) State, where the requester is other than the employer:

(i) That he is an authorized representative, or an officer, of the organization representing the employees for purposes of collective bargaining; or

(ii) That he is an employee of the employer and is authorized by two or more employees employed in the workplace where the substance is normally found to represent them for purposes of the Act. Each such authorization shall be in writing and included in the request; or

(iii) That he is one of three or less employees employed in the workplace where the substance is normally found.

(5) Indicate whether the requester or those persons who have authorized the requester to represent them desire that NIOSH not reveal their names to the employer.

(c) The request shall, if the information is known to the requester:

(1) Identify the potentially toxic substance or substances involved;

(2) State the trade name, chemical name, and the manufacturer of each such substance;

(3) State whether the substance or the container of such substance has a warning label; and

(4) Specify the physical form of the substance, number of people exposed, length of exposure (hours/day), and occupations of exposed employees.

NOTE: The National Institute for Occupational Safety and Health has developed a form, entitled "Request for Health Hazard Evaluation," to assist persons in requesting evaluations under this part. Forms are available upon request from NIOSH, Hazard Evaluation Services Branch, Cincinnati, Ohio 45202, or from the NIOSH representative in any Regional Office of the Department of Health, Education, and Welfare.

§ 85.4 Acting on requests.

(a) When a request meeting the requirements of this part has been submitted in accordance therewith and designated employees of NIOSH have concluded that there is reasonable cause to believe that an investigation is warranted, a NIOSH officer will inspect the place of employment, collect samples where appropriate and perform such tests as necessary, including medical examinations of employees, to the conduct of a health hazard evaluation.

(b) If there is no reasonable cause to conclude that an investigation is warranted, the requester shall be notified in writing of such decision.

(c) Investigations shall be conducted in accordance with the requirements of this part.

§ 85.5 Authority for investigations.

(a) Employees of the National Institute for Occupational Safety and Health who have been issued the NIOSH official credentials (consisting of HSM Form 599-2 entitled "Identification Record") are authorized by the Director, NIOSH, for the purposes of section 20(a)(6) of the Act and pursuant to section 8, to enter without delay and at reasonable times any place of employment for which a request has been submitted, to inspect and investigate during regular working hours and at other reasonable times, and within reasonable limits and in a reasonable manner, any such place of employment, and all pertinent conditions, structures, machines, apparatus, devices, equipment, and materials therein as may be directly related to the determination whether any substance normally found in the place of employment for which a request has been submitted has potentially toxic effects in such concentrations as used or found. In connection with any such investigation, such NIOSH employees may question privately any employer, owner, operator, agent, or employee and review records required by the Act and regulations, and other related records.

(b) Areas containing information which is classified by any agency of the U.S. Government in the interest of national security will be inspected only by NIOSH employees who have obtained the appropriate security clearance.

§ 85.6 Advance notice of visits.

(a) Advance notice of visits to the place of employment may be given to expedite a thorough and effective investigation. Advance notice will not be given when, in the judgment of the NIOSH officer, giving such notice would adversely affect the validity and effectiveness of the investigation.

(b) Where a request in accordance with this part has been made by an authorized representative of employees, advance notice in accordance with paragraph (a) of this section will be given by NIOSH to the requester, the representative of the employees for purposes of collective bargaining if such representative is other than the requester, and to the employer.

(c) Where a request in accordance with this part has been made by any employer, advance notice will be given by NIOSH to the employer. Upon the request of the employer, NIOSH will inform the authorized representative of employees of the visit: *Provided*, The employer furnishes NIOSH in writing with the identity of such representative and with such information as is necessary to enable NIOSH promptly to inform such representative of the visit.

§ 85.7 Conduct of investigations.

(a) Prior to beginning an investigation, NIOSH officers shall present their credentials to the owner, operator, or agent in charge at the place of employment, explain the nature, purpose, and scope of the investigation and the records specified in § 85.5 which they wish to review. Where the investigation is the result of a request submitted by an authorized representative of employees, a copy of the request shall be provided to the employer, except where the requester or any person authorizing the requester pursuant to § 85.3(b)(4)(ii) has indicated

that NIOSH not reveal his name to the employer, in which case, a summary of the basis for the request shall be provided to the employer.

(b) At the commencement of an investigation, the employer should precisely identify information which can be obtained in the workplace or workplaces to be inspected as trade secrets. If the NIOSH officer has no clear reason to question such identification, such information shall not be disclosed except in accordance with the provisions of section 20(a)(6) and section 15 of the Act. However, if NIOSH at any time questions such identification by an employer, not less than 15 days' notice to an employer shall be given of the intention to remove the trade secret designation from such information. The employer may within that period submit a request to the Director, NIOSH, to reconsider this intention and may provide additional information in support of the trade secret designation. The Director, NIOSH, shall notify the employer in writing of the decision which will become effective no sooner than 15 days after the date of such notice.

(c) NIOSH officers are authorized to collect environmental samples and samples of substances, to take or obtain photographs related to the purpose of the investigation, employ other reasonable investigative techniques, including medical examinations of employees with the consent of such employees, and to question privately any employer, owner, operator, agent, or employee. The employer shall have the opportunity to review photographs taken or obtained for the purpose of identifying those which contain or might reveal a trade secret.

(d) NIOSH officers shall comply with all safety and health rules and practices at the place of employment being investigated, and they shall provide and use appropriate protective clothing and equipment. In situations requiring specialized or unique types of protective equipment, such equipment shall be furnished by the employer.

(e) The conduct of investigations shall be such as to preclude unreasonable disruption of the operations of the employer's establishment.

§ 85.8 Provision of suitable space for employee interviews and examinations; identification of employees.

An employer shall, on request of the NIOSH officer, provide suitable space, if such space is reasonably available, to NIOSH to conduct private interviews with, and examinations of, employees. NIOSH officers shall consult with the employer as to the time and place of the medical examination and shall schedule such examinations so as to avoid undue disruption of the operations of the employer's establishment. NIOSH shall conduct, and assume the medical costs of, examinations conducted under this part.

§ 85.9 Representatives of employers and employees; employee requests.

(a) NIOSH officers shall be in charge of investigations. Where the request for a health hazard evaluation has been made by an authorized representative of employees, a representative of the employer and a representative authorized by his employees who is an employee of the employer shall be given an opportunity to accompany the NIOSH officer during the initial physical inspection of any workplace for the purpose of aiding the investigation by identifying the suspected hazard. The NIOSH officer may permit additional employer representatives and such additional representatives authorized by employees to accompany him where he determines that such additional representatives will further aid the investigation. However, if in the judgment of the NIOSH officer, good cause has been shown why accompaniment by a third party who is not an employee of the employer is reasonably necessary to the conduct of an effective and thorough investigation of the workplace, such third party may accompany the NIOSH officer during the inspection: *Provided, however,* That access by such persons to areas described in paragraph (d) of this section shall be in accordance with the requirements of such provision, and access to areas described in paragraph (e) of this section shall be with the consent of the employer. A different employer and employee representative may accompany the officer during each different phase of an inspection if this will not interfere with the conduct of the investigation.

(b) NIOSH officers are authorized to resolve all disputes as to who is the representative authorized by the employer and employees for the purpose of this section. If there is no authorized representative of employees, or if the NIOSH officer is unable to determine with reasonable certainty who is such representative, he shall consult with a reasonable number of employees concerning matters directly related to the health hazard evaluation.

(c) NIOSH officers are authorized to deny the right of accompaniment under this section to any person whose conduct interferes with a fair and orderly physical inspection.

(d) With regard to information classified by an agency of the U.S. Government in the interest of national security, only persons authorized to have access to such information may accompany an officer in areas containing such information.

(e) Upon request of an employer, any representative authorized under this § 85.9 by employees in any area containing trade secrets shall be an employee in that area or an employee authorized by the employer to enter that area.

§ 85.10 Imminent dangers.

Whenever, during the course of, or as a result of, an investigation under this part, the NIOSH officer believes that there is a reasonable basis for an allegation of an imminent danger, NIOSH will immediately advise the employer and those employees who appear to be in immediate danger of such allegation and will inform appropriate representatives of the Department of Labor or the State agency designated under section 18(b) of the Act.

§ 85.11 Notification of determination to employers, affected employees and Department of Labor.

(a) A determination made pursuant to section 20(a)(6) of the Act will, as a minimum: (1) Identify and set forth, where appropriate, the concentrations of the substance(s) found in the place of employment and the conditions of use, and (2) state whether such substance(s) has potentially toxic effects in such concentrations, as well as the basis for such judgments.

(b) Copies of the determination will be mailed to the employer and to the authorized representatives of employees.

(c) Except as hereinafter provided, the employer shall post a copy of the determination for a period of 30 calendar days at or near the workplace(s) of affected employees. The employer shall take steps to insure that the posted determinations are not altered, defaced, or covered by other material during such period. The employer will not be required to post the determination if the employer requests that copies of the determination be mailed to affected employees and furnishes NIOSH with a list of the names and mailing addresses of the employees employed in the workplace(s) designated by the NIOSH Officer. In the latter event, NIOSH will mail such copies to affected employees at the mailing addresses provided by the employer.

(d) For purposes of this section, the term "affected employees" means those employees determined by NIOSH to be exposed to the substance(s) which is the subject of the health hazard evaluation.

(e) Copies of all determinations will be forwarded to the Department of Labor and the appropriate State agency designated under section 18(b) of the Act. If the Secretary of Health, Education, and Welfare determines that any substance is potentially toxic at the concentrations in which it is used or found in a place of employment, and such substance is not covered by an occupational safety or health standard promulgated under section 6 of the Act, the Secretary of Health, Education, and Welfare will immediately submit such determination to the Secretary of Labor together with all pertinent criteria.

§ 85.12 Subsequent requests for health hazard evaluations.

Where a request is received for a health hazard evaluation in a place of employment in which an evaluation under this part previously has been made, the Secretary may make a subsequent investigation if, as a result of the passage of time or additional information, he deems such a subsequent investigation consistent with the purpose of the Act.

[FR Doc.72-19042 Filed 11-6-72;8:51 am]

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH

REQUEST FOR HEALTH HAZARD EVALUATION

This form is provided to assist in registering a request for a health hazard evaluation with the U.S. Department of Health, Education, and Welfare as provided in Section 20(a)(6) of the Occupational Safety and Health Act of 1970 and 42 CFR Part 85. (See Statement of Authority on Reverse Side).

Name of Establishment Where Alleged Hazard(s) Exist _____

Company Address { Street _____ Telephone _____
City _____ State _____ Zip Code _____

1. Principal Company Activity _____
(manufacturing, construction, transportation, services, etc.)

2. Specify the particular building or worksite where the alleged hazard is located, including address _____

3. Specify the name and phone number of employer's agent(s) in charge.

4. Describe briefly the hazard(s) which exists by completing the following information:
Identification of Hazard or Toxic Substance(s) _____
Trade Name (If Applicable) _____ Chemical Name _____
Manufacturer _____ Does the material have a warning label? _____ Yes _____ No
If Yes, attach copy of label or a copy of the information contained on the label.
Physical Form: Dust ☐ Gas ☐ Liquid ☐ Mist ☐ Other ☐
Type of Exposure? Breathing ☐ Swallowing ☐ Skin Contact ☐
Number of People Exposed _____ Length of Exposure (Hours/Day) _____
Occupations of Exposed Employees _____

5. Using the space below describe further the nature of the conditions or circumstances which prompted this request and other relevant aspects which you may consider important, such as the nature of the illness or symptoms of exposure, the concern for the potentially toxic effects of a new chemical substance introduced into the workplace, etc.

NIOSH-4 (Cin)
9/72

FORM APPROVED
OMB NO. 68-R1236

6. (a) To your knowledge has this hazard been considered previously by any Government agency? _____
(b) If so, give the name and address of each.

_____

_____

(c) and, the approximate date it was so considered. _____

7. (a) Is this request, or a request alleging a similar hazard, being filed with any other Government agency? _____ (b) If so, give the name and address of each.

_____ _____

_____

The undersigned (check one)

☐ Employer

☐ Authorized Representative of employees*

i ii iii (circle one)

believes that a substance (or substances) normally found at the following place of employment may have potentially toxic effects in the concentration used or found.

Signature _____ Date _____

Typed or Printed Name _____ Telephone: Home - _____

Address { Street _____ Business - _____
City _____ State _____ Zip Code _____

If you are a representative of employees, state the name and address of your organization.

_____

_____

Please indicate your desire:

☐ I do not want my name revealed to the employer.

☐ My name may be revealed to the employer.

Authority:

Section 20(a)(6) of the Occupational Safety and Health Act, (29 U. S. C. 669(a)(6)) provides as follows: The Secretary of Health, Education, and Welfare shall. . .determine following a written request by any employer or authorized representative of employees, specifying with reasonable particularity the grounds on which the request is made, whether any substance normally found in the place of employment has potentially toxic effects in such concentrations as used or found; and shall submit such determination both to employers and affected employees as soon as possible. If the Secretary of Health, Education, and Welfare determines that any substance is potentially toxic at the concentrations in which it is used or found in a place of employment, and such substance is not covered by an occupational safety or health standard promulgated under section 6, the Secretary of Health, Education, and Welfare shall immediately submit such determination to the Secretary of Labor, together with all pertinent criteria.

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* "Authorized representative of employees" means any person or organization meeting the conditions specified in 42 CFR Part 85.3 (b) (4) (i), (ii) or (iii):

(i) – that he is an authorized representative of, or an officer of the organization representing, the employees for purposes of collective bargaining; or

(ii) – that he is an employee of the employer and is authorized by two or more employees employed in the workplace where the substance is normally found, to represent them for purposes of the Act. Each such authorization shall be in writing and included in the request; or

(iii) – that he is one of three or less employees employed in the workplace where the substance is normally found.

Send the completed form to:

National Institute for Occupational Safety and Health
Hazard Evaluation Services Branch
U.S. Department of Health, Education, and Welfare
Cincinnati, Ohio 45202

☆ U.S. GOVERNMENT PRINTING OFFICE: 1972— 759-571/1325

AA01750. A-139 see:DK33250 p-BENZOQUINONE, 2,5-BIS(1-AZIRIDINYL)-3,6-BIS(2-METHOXYETHOXY)-

AA24500. 2-AAF see:AB94500 ACETAMIDE, N-FLUOREN-2-YL

AA38500. ABBOCILLIN see:XH96250 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-

AA56000. ABSOLUTE ETHANOL see:KQ63000 ETHYL ALCOHOL

AA84000. ACARACIDE see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROCTHYL ESTER

AA91000. ACCELERATOR L see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

AB01750. 4,10-ACE-1,2-BENZANTHRACENE see:CU07000 BENZ(e)ACEANTHRYLENE

AB03500. 8,9-ACE-1,2-BENZANTHRACENE
TXDS: scu-mus TDLo:400 mg/kg TFX:CAR AJCAA7 28,334,36

AB08000. ACENAPHTHANTHRACENE see:CU15750 BENZ(K)ACEPHENANTHRYLENE, 4,5-DIHYDRO-

AB09250. ACENAPHTHEN (German) see:AB10500 ACENAPHTHENE

AB10500. ACENAPHTHENE
CAS: 000083329 MW: 156.24 MOLFM: C12-H12
WLN: L566 1A L T&J
SYN: ACENAPHTHEN (German) *
TXDS: skn-mus TDLo:600 gm/kg/YI TFX:NEO AEPO** 5,110,53

AB10600. ACENAPHTHENE, 5-NITRO-
MW: 199.22 MOLFM: N-O2-C12-H9
SYN: 5-NAN * 5-NITROACENAPHTHENE *
TXDS: orl-rat TDLo:240 gm/kg/22WI TFX:NEO BJCAAI 30,481,74
orl-ham TDLo:504 gm/kg/24WC TFX:NEO BJCAAI 30,481,74

AB12250. 13H-ACENAPHTHO(1,8-ab)PHENANTHRENE see:HN01750 13H-DIBENZ(bc,j)ACEANTHRYLENE

AB35000. ACETALDEHYDE, TRIMER see:YK05250 s-TRIOXANE, 2,4,6-TRIMETHYL-

AB40250. ACETAMIDE
CAS: 000060355 MW: 59.03 MOLFM: N-O-C2-H5
WLN: ZV1R
SYN: ACETIC ACID AMIDE * ETHANAMIDE * METHANECARBOXAMIDE *
TXDS: orl-rat TDLo:360 mg/kg/152W TFX:CAR TXAPA9 14,163,69
scu-rat LD50:10 gm/kg OYYAA2 4,451,70
scu-mus LD50:8300 mg/kg OYYAA2 4,451,70

AB43400. ACETAMIDE, 2-AMINO-N-FLUOREN-2-YL-
MW: 238.31 MOLFM: N2-O-C15-H14
WLN: L B656 HHJ EMV1Z
SYN: 2-AMINO-N-FLUOREN-2-YLACETAMIDE * 2-GLYCYLAMINOFLUORENE *
TXDS: orl-rat TDLo:1200 mg/kg/20WI TFX:CAR NATUAS 184,2018,59

AB49000. ACETAMIDE, N-(CARBAMOYLMETHYL)-2-DIAZO-
CAS: 000817992 MW: 142.14 MOLFM: N4-O2-C4-H6
WLN: ZV1MV1UNN
SYN: N-(CARBAMOYLMETHYL)-2-DIAZOACETAMIDE * N-DIAZOACETILGLICINA-AMIDE (Italian) * N-DIAZOACETYLGLYCINE AMIDE *
TXDS: ipr-mus TDLo:720 mg/kg/4D TFX:CAR BSIBAC -,227,69

AB57000. ACETAMIDE, N-(7-CHLORO-2-FLUORENYL)-
MW: 257.73 MOLFM: N-O-Cl-C15-H12
WLN: L B656 HHJ EMV1 KG
TXDS: orl-rat LDLo:5000 mg/kg CNREA8 26,619,66
orl-rat TDLo:5000 mg/kg TFX:CAR CNREA8 26,619,66

AB62000. ACETAMIDE, N-2-DIBENZOTHIENYL-
MW: 241.32 MOLFM: N-O-S-C14-H11
WLN: T B656 HSJ DMV1
TXDS: orl-rat TDLo:4680 mg/kg/32WC TFX:CAR CNREA8 15,168,55

AB70000. ACETAMIDE, N,N-DIETHYL-
CAS: 000685916 MW: 115.20 MOLFM: N-O-C6-H13
WLN: 2N2&V1
SYN: N,N-DIETHYLACETAMIDE *
TXDS: orl-rat TDLo:910 mg/kg/73WI TFX:NEO JNCIAM 35,949,65
ipr-rat LD50:1840 mg/kg ARZNAD 20,1231,70
ipr-rat TDLo:600 mg/kg/(preg) TFX:TER ARZNAD 19,1073,69
ipr-mus LD50:1690 mg/kg ARZNAD 20,1242,70
ivn-rbt LDLo:1920 mg/kg ARZNAD 20,1242,70

AB76000. ACETAMIDE, 9,10-DIHYDRO-N-2-PHENANTHRYL-
MW: 237.32 MOLFM: N-O-C16-H16
WLN: L B666&T&J EMV1
TXDS: orl-rat TDLo:4608 mg/kg/32WC TFX:CAR CNREA8 15,188,55

AB90000. ACETAMIDE, N-FLUORANTHEN-3-YL-
MW: 259.32 MOLFM: N-O-C18-H13
WLN: L C6566 1A PJ LMV1
SYN: 3-ACETYLAMINO-FLUORANTHEN (German) * 3-ACETYLAMINOFLUORANTHENE * N-FLUORANTHEN-3-YLACETAMIDE *
TXDS: orl-rat TDLo:4500 mg/kg/16WC TFX:CAR ONCOBS 8,233,55

AB91000. ACETAMIDE, N,N'-9H-FLUORENE-2,7-DIYLBIS-
CAS: 000304269 MW: 280.35 MOLFM: N2-O2-C17-H16
WLN: L B656 HHJ EMV1 KMV1
SYN: ACETAMIDE, N,N'-FLUOREN-2,7-YLENEBIS- * 2,7-DIACETYLAMINOFLUORENE * N,N'-FLUOREN-2,7-YLBISACETAMIDE * N,N'-FLUOREN-2,7-YLENEBISACETAMIDE * N,N'-(FLUOREN-2,7-YLENE)BIS(ACETYLAMINE) *
TXDS: orl-rat TDLo:2035 mg/kg/32WC TFX:CAR NCIMAV 5,85,61
orl-mus TDLo:2100 mg/kg/12W TFX:CAR JNCIAM 40,629,68

AB92750. ACETAMIDE, N-FLUOREN-1-YL-
MW: 223.29 MOLFM: N-O-C15-H13
WLN: L B656 HHJ EMV1
SYN: N-1-FLUORENYLACETAMIDE *
TXDS: orl-rat TDLo:4400 mg/kg/44WC TFX:CAR JNCIAM 24,149,60
ipr-rat TDLo:540 mg/kg/4W TFX:NEO CNREA8 30,1485,70

AB94500. ACETAMIDE, N-FLUOREN-2-YL
CAS: 000053963 MW: 223.16 MOLFM: N-O-C15-H13
WLN: L B656 HHJ EMV1
SYN: AAF * 2-AAF * 2-ACETAMIDOFLUORENE * 2-ACETAMINOFLUORENE * 2-ACETYLAMINO-FLUOREN (German) * N-ACETYL-2-AMINOFLUORENE * 2-ACETYLAMINOFLUORENE * FAA * 2-FAA * N-2-FLUORENYLACETAMIDE * N-FLUOREN-2-YLACETAMIDE *
TXDS: orl-rat TDLo:580 mg/kg/77D TFX:CAR IXAPA9 16,356,71
skn-rat TDLo:260 mg/kg/71WI TFX:CAR JNCIAM 10,1201,50
ipr-rat TDLo:425 mg/kg/4W TFX:CAR CNREA8 32,1554,72
imp-rat TDLo:22 mg/kg TFX:NEO CNREA8 33,2489,73
orl-mus LD50:1020 mg/kg IXAPA9 25,447,73
orl-mus TDLo:560 mg/kg/14DI TFX:CAR BJCAAI 19,297,67
par-mus TDLo:100 mg/kg/(12D preg) TFX:TER ACATA5 27,239,66
orl-dog TDLo:2625 mg/kg/25WC TFX:NEO CNREA8 10,266,50
orl-rbt TDLo:4400 mg/kg/65WI TFX:CAR PMSBAR 32,177,68
ipr-rbt TDLo:3600 mg/kg/40WI TFX:NEO CNREA8 27,838,67
orl-ham TDLo:7980 mg/kg/38WC TFX:CAR GANNA2 59,239,68
itr-ham TDLo:15 gm/kg/74W TFX:CAR JNCIAM 50,503,73
U.S. OCCUPATIONAL STANDARD OSOS-carcinogen PEREAC 39,3756,74

AB95300. ACETAMIDE, N-FLUOREN-4-YL-
MW: 223.29 MOLFM: N-O-C15-H13
WLN: L B656 HHJ CMV1
SYN: 4-ACETYLAMINOFLUOREN (German) * 4-ACETYLAMINOFLUORENE * N-FLUOREN-4-YLACETAMIDE *
TXDS: orl-rat TDLo:4500 mg/kg/17WC TFX:CAR ONCOBS 8,233,55

AC03500. ACETAMIDE, N-FLUOREN-2-YLDI-
CAS: 000642659 MW: 264.32 MOLFM: N-O2-C17-H14
WLN: L B656 HHJ ENV1&V1
SYN: 2-DIACETAMIDOFLUORENE * 2-DIACETYLAMINOFLUORENE * N-FLUOREN-2-YLDIACETAMIDE * N-2-FLUORENYLDIACETAMIDE *
TXDS: orl-rat TDLo:1500 mg/kg/16WI TFX:CAR CNREA8 28,2177,68
skn-rat TDLo:290 mg/kg/77WI TFX:CAR JNCIAM 10,1201,50
orl-ham TDLo:6174 mg/kg/49 WC TFX:CAR GANNA2 59,239,68

AC05250. ACETAMIDE, N,N'-FLUOREN-2,5-YLENEBIS-
MW: 266.34 MOLFM: N2-O2-C17-H16
WLN: L B656 HHJ CMV1 KMV1
SYN: 2,5-BIS(ACETYLAMINO)FLUORENE * N,N'-FLUOREN-2,5-YLENEBISACETAMIDE *
TXDS: orl-rat TDLo:5800 mg/kg/35WC TFX:NEO CNREA8 22,1002,62

AC07000. ACETAMIDE, N,N'-FLUOREN-2,7-YLENEBIS- see:AB91000 ACETAMIDE, N,N'-9H-FLUORENE-2,7-DIYLBIS-

AC08750. ACETAMIDE, N,N'-FLUOREN-2,7-YLENEBIS(TRIFLUORO-
MW: 364.27 MOLFM: N2-O2-F6-C15-H10
WLN: L B656 HHJ EMVXFFF RMVXFFF
SYN: N,N'-FLUOREN-2,7-YLENEBIS(TRIFLUOROACETAMIDE) *
TXDS: orl-rat TDLo:4850 mg/kg/45WC TFX:CAR JNCIAM 30,143,63

AC10500. ACETAMIDE, N-FLUOREN-2-YL-2,2,2-TRIFLUORO-
CAS: 000363177 MW: 277.26 MOLFM: N-O-F3-C15-H10
WLN: L B656 HHJ EMVXFFF

SYN: N-(2-FLUORENYL)2,2,2-TRI-FLUOROACETAMIDE * 2-TRIFLUOROACETYLAMINOFLUORENE
* 2,2,2-TRIFLUORO-N-(FLUOREN-2-YL)ACETAMIDE *
TXDS: orl-rat TDLo:3750 mg/kg/44WC TPX:CAR JNCIAM 24,149,60

AC11000. ACETAMIDE, N-FLUOREN-2-YL mixed with DL-TRYPTOPHAN (1:23)
TXDS: orl-rat LDLo:197 gm/kg/270DC TPX:CAR AICCA6 16,1018,60

AC14000. ACETAMIDE, N-(1-FLUOROFLUOREN-2-YL)-
MW: 241.28 MOLFM: N-O-F-C15-H12
WLN: L B656 HHJ EMV1 FF
SYN: 1-FLUORO-2-ACETYLAMINOFLUORENE * N-(1-FLUOROFLUOREN-2-YL)ACETAMIDE *
TXDS: orl-rat TDLo:1400 mg/kg/19WC TPX:CAR CNREA8 22,1002,62

AC15750. ACETAMIDE, N-(3-FLUOROFLUOREN-2-YL)-
MW: 241.28 MOLFM: N-O-F-C15-H12
WLN: L B656 HHJ DF EMV1
SYN: 3-FLUORO-2-ACETYLAMINOFLUORENE * N-(3-FLUOROFLUOREN-2-YL)ACETAMIDE *
TXDS: orl-rat TDLo:5300 mg/kg/35WC TPX:CAR CNREA8 22,1002,62

AC17500. ACETAMIDE, N-(4-FLUOROFLUOREN-2-YL)-
MW: 241.28 MOLFM: N-O-F-C15-H12
WLN: L B656 HHJ CF EMV1
SYN: 4-FLUORO-2-ACETYLAMINOFLUORENE * N-(4-FLUOROFLUOREN-2-YL)ACETAMIDE *
TXDS: orl-rat TDLo:5300 mg/kg/35WC TPX:CAR CNREA8 22,1002,62

AC19250. ACETAMIDE, N-(5-FLUOROFLUOREN-2-YL)-
MW: 241.28 MOLFM: N-O-F-C15-H12
WLN: L B656 HHJ CF KMV1
SYN: 5-FLUORO-2-ACETYLAMINOFLUORENE * N-(5-FLUOROFLUOREN-2-YL)ACETAMIDE *
TXDS: orl-rat TDLo:5300 mg/kg/35WC TPX:CAR CNREA8 22,1002,62

AC21000. ACETAMIDE, N-(6-FLUOROFLUOREN-2-YL)-
MW: 241.28 MOLFM: N-O-F-C15-H12
WLN: L B656 HHJ DF KMV1
SYN: 6-FLUORO-2-ACETYLAMINOFLUORENE * N-(6-FLUOROFLUOREN-2-YL)ACETAMIDE *
TXDS: orl-rat TDLo:5300 mg/kg/35WC TPX:CAR CNREA8 22,1002,62

AC22750. ACETAMIDE, N-(7-FLUOROFLUOREN-2-YL)-
CAS: 000343895 MW: 241.28 MOLFM: N-O-F-C15-H12
WLN: L B656 HHJ EMV1 KF
SYN: 7-FLUORO-2-ACETYLAMINO FLUORENE *
TXDS: orl-rat TDLo:1200 mg/kg/14WC TPX:CAR CNREA8 18,469,58

AC24500. ACETAMIDE, N-(8-FLUOROFLUOREN-2-YL)-
MW: 241.28 MOLFM: N-O-F-C15-H12
WLN: L B656 HHJ EMV1 JF
SYN: 8-FLUORO-2-ACETYLAMINOFLUORENE * N-(8-FLUOROFLUOREN-2-YL)ACETAMIDE *
TXDS: orl-rat TDLo:5300 mg/kg/35WC TPX:CAR CNREA8 22,1002,62

AC35000. ACETAMIDE, N-HYDROXY-N-(2-FLUORENYL)- see:AK85750 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-

AC43750. ACETAMIDE, N-(3-IODO-2-FLUORENYL)-
MW: 156.91 MOLFM: N-O-I-C15-H12
WLN: L B656 HHJ DI EMV1
SYN: N-(3-IODO-2-FLUORENYL)ACETAMIDE *
TXDS: orl-rat TDLo:3400 mg/kg/44WC TPX:CAR JNCIAM 24,149,60

AC44000. ACETAMIDE, N-(9-HYDROXYFLUOREN-2-YL)-
MW: 239.29 MOLFM: N-O2-C15-H13
WLN: L B656 HHJ EMV1 HQ
TXDS: orl-rat TDLo:4644 mg/kg/32WC TPX:NEO CNREA8 15,188,55

AC57750. ACETAMIDE, N-(1-METHOXYFLUOREN-2-YL)-
CAS: 006893205 MW: 253.32 MOLFM: N-O2-C16-H15
WLN: L B656 HHJ EMV1 FO1
SYN: 1-METHOXY-2-ACETAMIDOFLOURENE * N-(1-METHOXYFLUOREN-2-YL)ACETAMIDE *
TXDS: orl-rat TDLo:3300 mg/kg/24WC TPX:CAR CNREA8 28,243,68
ipr-rat TDLo:450 mg/kg/4WI TPX:CAR CNREA8 28,234,68

AC59500. ACETAMIDE, N-(7-METHOXYFLUOREN-2-YL)-
CAS: 016690441 MW: 253.32 MOLFM: N-O2-C16-H15
WLN: L B656 HHJ EO1 KMV1
SYN: N-(7-METHOXY-2-FLUORENYL)ACETAMIDE * 7-METHOXY-N-2-FLUORENYLACETAMIDE
*
TXDS: orl-rat TDLo:3300 mg/kg/24WC TPX:CAR CNREA8 28,234,68

AC63000. ACETAMIDE, N-METHYL-N-NITROSO-
MW: 102.11 MOLFM: N2-O2-C3-H6
WLN: ONN1&V1
SYN: METHYLNITROSO-ACETAMIDE *
TXDS: orl-rat TDLo:1 mg/kg TPX:CAR TCIS** -,-,72

AC65000. ACETAMIDE, N-(5-(5-NITRO-2-FURYL)-1,3,4-THIADIAZOL-2-YL)-
MW: 242.23 MOLFM: N4-O4-S-C7-H6
SYN: N-(5-(5-NITRO-2-FURYL)-1,3,4-THIADIAZOL-2-YL) ACETAMIDE *
TXDS: orl-mus TDLo:14 gm/kg/10WC TFX:NEO CNREA8 33,1593,73

AC66500. ACETAMIDE, N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)-
CAS: 000531828 MW: 253.25 MOLFM: N3-O4-S-C9-H7
WLN: T5OJ BNW E- ET5N CSJ BMV1
SYN: 2-ACETAMIDO-4-(5-NITRO-2-FURYL) THIAZOLE * 2-ACETAMINO-4-(5-NITRO-2-FURYL) THIAZOLE * 2-ACETYLAMINO-4-(5-NITRO-2-FURYL) THIAZOLE * FURATHIAZOLE * FURIUM * NFTA * N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL) ACETAMIDE * THIAZOLE, 2-ACETAMIDO-4-(5-NITRO-2-FURYL)- * THIAZOLE, 2-ACETAMINO-4-(5-NITRO-2-FURYL)- * THIAZOLE, 2-ACETYLAMINO-4-(5-NITRO-2-FURYL)- *
TXDS: orl-rat TDLo:13 gm/kg/16WC TFX:CAR CNREA8 30,939,70
orl-mus TDLo:2400 mg/kg/14WC TFX:CAR CNREA8 30,2320,70
orl-dog TDLo:27 gm/kg/2.5YC TFX:NEO JNCIAM 45,535,70
orl-ham TDLo:16 gm/kg/14W TFX:CAR JNCIAM 51,941,73

AC67000. ACETAMIDE, N-(4-(5-NTIRO-2-FURYL)-2-THIAZOLYL)-2,2,2-TRIFLUORO-
MW: 307.22 MOLFM: N3-O4-S-F3-C9-H4
SYN: 2,2,2-TRIFLUORO-N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL) ACETAMIDE *
TXDS: orl-mus TDLo:17 gm/kg/10WC TFX:CAR CNREA8 33,1593,73

AC70000. ACETAMIDE, N-(9-OXO-2-FLUORENYL)-
MW: 237.27 MOLFM: N-O2-C15-H11
WLN: L B656 HVJ EMVI
SYN: 2-ACETYLAMINO-9-FLUORENONE * N-(9-OXO-2-FLUORENYL) ACETAMIDE *
TXDS: orl-rat TDLo:6075 mg/kg/65WC TFX:CAR JNCIAM 24,149,60

AC71750. ACETAMIDE, N-2-PHENANTHRYL-
CAS: 004120778 MW: 235.30 MOLFM: N-O-C16-H13
WLN: L B666J EMV1
SYN: 2-ACETAMIDOPHENANTHRENE * 2-ACETYLAMINOPHENANTHRENE * N-2-PHENANTHRYLACETAMIDE *
TXDS: orl-rat TDLo:630 mg/kg/9WC TFX:CAR CNREA8 19,210,59
scu-rat TDLo:90 mg/kg/4WI TFX:CAR CNREA8 26,2239,66

AC73500. ACETAMIDE, N-3-PHENANTHRYL-
CAS: 004120789 MW: 235.30 MOLFM: N-O-C16-H13
WLN: L B666J DMV1
SYN: 3-ACETAMIDOPHENANTHRENE * 3-ACETYLAMINOPHENANTHRENE * N-3-PHENANTHRYLACETAMIDE *
TXDS: orl-rat TDLo:4572 mg/kg/32WC TFX:CAR CNREA8 15,188,55
ims-mus TDLo:80 mg/kg TFX:NEO ZEKBAI 72,321,69

AC75250. ACETAMIDE, N-9-PHENANTHRYL-
CAS: 004235090 MW: 235.30 MOLFM: N-O-C16-H13
WLN: L B666J HMV1
SYN: 9-ACETAMIDOPHENANTHRENE * 9-ACETYLAMINOPHENANTERENE * N-9-PHENANTHRYLACETAMIDE *
TXDS: ims-mus TDLo:80 mg/kg TFX:NEO ZEKBAI 72,321,69

AC80000. ACETAMIDE, N-PYREN-2-YL-
MW: 259.32 MOLFM: N-O-C18-H13
WLN: L666 B6 2AB PJ BMV1
TXDS: orl-rat TDLo:5508 mg/kg/32WC TFX:NEO CNREA8 15,188,55

AC85200. ACETAMIDE, p-TERPHENYL-4-YL-
MW: 286.37 MOLFM: N-O-C20-H16
SYN: 4-ACETYLAMINO-p-TERPHENYL *
TXDS: orl-rat TDLo:5700 mg/kg/35WC TFX:NEO CNREA8 16,525,56

AC87500. ACETAMIDE, N-(5,6,7,9-TETRAHYDRO-1,2,3,10-TETRAMETHOXY-9-OXOBENZO(alpha) HEPTALEN-7-YL)-
see:GH07000 COLCHICINE

AC89250. ACETAMIDE, THIO-
CAS: 000062555 MW: 75.09 MOLFM: N-S-C2-H5
WLN: ZYUS
SYN: ACETOTHIOAMIDE * TAA * THIOACETAMIDE *
TXDS: orl-rat LDLo:200 mg/kg JIHTAB 31,158,49
orl-rat TDLo:1600 mg/kg/14WC TFX:CAR CNREA8 28,1703,68
orl-mus TDLo:27 gm/kg/65WC TFX:CAR BJCAAI 24,498,70
ipr-mus LD50: 500 mg/kg CURL** -,32,62
scu-mus LDLo:2000 mg/kg AIPTAK 12,447,04

AD01750. ACETAMIDE, 2,2,2-TRIFLUORO-N-(9-OXOFLUOREN-2-YL)-
MW: 291.24 MOLFM: N-O2-F3-C15-H8
WLN: L B656 HVJ EHVIFFF
SYN: 2-TRIFLUOROACETYLAMINOFLUOREN-9-ONE * 2,2,2-TRIFLUORO-N-(9-OXOFLUOREN-2-YL) ACETAMIDE *

TXDS: orl-rat TDLo:6400 mg/kg/35WC TFX:CAR CNREA8 22,1002,62

AD24500. 2-ACETAMIDOFLUORENE see:AB94500 ACETAMIDE, N-FLUOREN-2-YL

AD33250. 2-ACETAMIDO-4-(5-NITRO-2-FURYL)THIAZOLE see:AC66500 ACETAMIDE, N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)-

AD36750. 2-ACETAMIDOPHENANTHRENE see:AC71750 ACETAMIDE, N-2-PHENANTHRYL-

AD38500. 3-ACETAMIDOPHENANTHRENE see:AC73500 ACETAMIDE, N-3-PHENANTHRYL-

AD40250. 9-ACETAMIDOPHENANTHRENE see:AC75250 ACETAMIDE, N-9-PHENANTHRYL-

AD49000. 4-ACETAMIDOSTILBENE see:AE70000 ACETANILIDE, 4'-STYRYL-

AD59900. ACETAMINE DIAZO BLACK RD see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

AD60100. ACETAMINE DIAZO NAVY RD see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

AD61250. 2-ACETAMINOFLUORENE see:AB94500 ACETAMIDE, N-FLUOREN-2-YL

AD64750. 2-ACETAMINO-4-(5-NITRO-2-FURYL)THIAZOLE see:AC66500 ACETAMIDE, N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)-

AD68250. 4-ACETAMINOSTILBENE see:AE70000 ACETANILIDE, 4'-STYRYL-

AE22000. ACETANILIDE, 3',4'-DIMETHYL-
MW: 162.23 MOLFM: N-O-C10-H12
WLN: 1VMR C D
SYN: 3,4-DIMETHYLACETANILIDE *
TXDS: orl-rat TDLo:9900 mg/kg/56WC TFX:NEO CNREA8 16,525,56

AE22500. ACETANILIDE, 4-(p-DIMETHYLAMINOPHENYLAZO)-N-METHYL-
MW: 296.41 MOLFM: N4-O-C17-H20
TXDS: orl-mus TDLo:7 gm/kg/2WC TFX:NEO CNREA8 34,2274,74
ipr-mus LD50:370 mg/kg CNREA8 34,2274,74

AE22950. ACETANILIDE, N,N'-DIMETHYL-4,4'-AZODI-
MW: 324.42 MOLFM: N4-O2-C18-H20
TXDS: orl-mus TDLo:8 gm/kg/12WC TFX:NEO CNREA8 34,2274,74
ipr-mus LD50:480 mg/kg CNREA8 34,2274,74

AE35000. ACETANILIDE, 2'-FLUORO-4'-PHENYL-
MW: 229.27 MOLFM: N-O-F-C14-H12
WLN: FR CR6 FMV1
SYN: 3-FLUORO-4-ACETYLAMINOBIPHENYL * 2'-FLUORO-4'-PHENYLACETANILIDE *
TXDS: orl-rat TDLo:3700 mg/kg/26WC TFX:CAR CNREA8 22,1002,62

AE36750. ACETANILIDE, 4'-(m-FLUOROPHENYL)-
MW: 229.27 MOLFM: N-O-F-C14-H12
WLN: FR CR DMV1
SYN: 3'-FLUORO-4-ACETYLAMINOBIPHENYL * 4'-(m-FLUOROPHENYL)ACETANILIDE *
TXDS: orl-rat TDLo:2580 mg/kg/21W TFX:NEO CNREA8 22,1002,62

AE37500. ACETANILIDE, 4'-(p-FLUOROPHENYL)-
MW: 228.26 MOLFM: N-O-F-C14-H11
WLN: FR DR
SYN: 4'-FLUORO-4-ACETYLAMINOBIPHENYL * N-4-(4'-FLUORO)BIPHENYLACETAMIDE *
TXDS: orl-rat TDLo:5600 mg/kg/43WC TFX:CAR CNREA8 16,525,56

AE42800. ACETANILIDE, 4-(p-HYDROXYSTYRYL)-
MW: 253.32 MOLFM: N-O2-C16-H15
SYN: 4'-HYDROXY-4-ACETAMIDOSTILBENE *
TXDS: orl-rat TDLo:713 mg/kg/36WC TFX:CAR BJCAAI 22,133,63

AE49500. ACETANILIDE, 4-(p-METHYLAMINOPHENYLAZO)-N-METHYL-
MW: 282.38 MOLFM: N4-O-C16-H18
TXDS: orl-mus TDLo:9 gm/kg/16WC TFX:NEO CNREA8 34,2274,74

AE60000. ACETANILIDE, 2'-PHENYL-
CAS: 002113475 MW: 210.27 MOLFM: N-O-C14-H12
WLN: 1VMR BR
SYN: 2-ACETYLAMINOBIPHENYL *
TXDS: orl-rat TDLo:4200 mg/kg/35WC TFX:NEO CNREA8 16,525,56

AE60500. ACETANILIDE, 3'-PHENYL-
MW: 210.27 MOLFM: N-O-C14-H12
WLN: 1VMR CR
SYN: 3-ACETYLAMINOBIPHENYL *
TXDS: orl-rat TDLo:4200 mg/kg/35WC TFX:NEO CNREA8 16,525,56

AE61250. ACETANILIDE, 4'-PHENYL-
CAS: 004075790 MW: 211.28 MOLFM: N-O-C14-H13
WLN: IVMR DR
SYN: 4-ACETYLAMINOBIPHENYL * N-4-BIPHENYLACETAMIDE *
TXDS: orl-rat TDLo:2240 mg/kg/16WC TFX:CAR CNREA8 21,1465,61
ipr-rat TDLo:680 mg/kg/4WI TFX:CAR CNREA8 21,1465,61
orl-dog TDLo:13 gm/kg/3YI TFX:CAR CNREA8 23,921,63

AE63000. ACETANILIDE, p-PHENYLAZO-
WLN: IVMR DNUNR
SYN: p-PHENYLAZOACETANILIDE *
TXDS: orl-rat TDLo:4700 mg/kg/52WC TFX:NEO JNCIAM 24,149,60

AE70000. ACETANILIDE, 4'-STYRYL-
CAS: 018559972 MW: 237.32 MOLFM: N-O-C16-H15
WLN: 1VMR D1U1R
SYN: 4-ACETAMIDOSTILBENE * 4-ACETAMINOSTILBENE * 4-ACETYLAMINOSTILBENE * 4'-STYRYLACETANILIDE *
TXDS: orl-rat TDLo:427 mg/kg/22WC TFX:CAR BJCAAI 22,133,58
ipr-rat TDLo:23 mg/kg/4WI TFX:CAR CNREA8 24,128,64
scu-rat TDLo:37 mg/kg/4W TFX:CAR BJCAAI 22,133,68
scu-rat TDLo:48 mg/kg/5W TFX:CAR CNREA8 24,128,64

AE71750. ACETANILIDE, 4',4'''-SULFONYLBIS-
CAS: 000077463 MW: 332.40 MOLFM: N2-O4-S-C16-H16
WLN: 1VMRDSWR DMV1
SYN: BIS(p-ACETAMIDOPHENYL) SULFONE * BIS(4-ACETAMIDOPHENYL) SULFONE * CAMILAN * CI 556 * 4,4'-DIACETAMIDODIPHENYL SULFONE * 4,4'-DIACETYLDIAMINODIPHENYL SULFONE * 1399 F * RODILONE * SULFADIAMINE * SULFODIAMINE * SULFONE, BIS(p-ACETAMIDOPHENYL) * p,p'-SULFONYLBISACETANILIDE * 4',4''' 4',4'''-SULFONYLBIS(ACETANILIDE) *
TXDS: orl-rat TDLo:4200 mg/kg/43WC TFX:CAR JNCIAM 24,149,60
orl-mus LD50:2500 mg/kg 12VXA5 8,1003,68

AE75250. ACETANILIDE, m-TOLYAZO-
SYN: m-TOLYAZOACETANILIDE *
TXDS: orl-rat TDLo:4700 mg/kg/52W TFX:NEO JNCIAM 24,149,60

AE82250. ACETANILINE, 2',4',6'-TRIMETHYL-
MW: 177.27 MOLFM: N-O-C11-H15
WLN: 1VMR B D F
SYN: 2',4',6'-TRIMETHYLACETANILIDE *
TXDS: orl-rat LDLo:3500 mg/kg CNREA8 26,619,66
orl-rat TDLo:2900 mg/kg TFX:NEO CNREA8 26,619,66

AE89560. ACETATE DE PLOMB (French) see:AI52500 ACETIC ACID, LEAD(2+) SALT

AE91400. ACETATE PHENYLMERCURIQUE (French) see:OV64750 MERCURY, (ACETATO)PHENYL-

AE94500. (ACETATO)PHENYLMERCURY see:OV64750 MERCURY, (ACETATO)PHENYL-

AF22750. ACETIC ACID AMIDE see:AB40250 ACETAMIDE

AF60000. ACETIC ACID, BROMO-, ETHYL ESTER
CAS: 000105362 MW: 167.02 MOLFM: O2-Br-C4-H7
WLN: E1VO2
SYN: ANTOL * BROMOACETIC ACID, ETHYL ESTER * ETHYL BROMOACETATE *
TXDS: scu-mus TDLo:332 mg/kg/83WI TFX:NEO JNCIAM 53,695,74

AF67300. ACETIC ACID, (2-BUTENYLIDENE)- see:WG21000 SORBIC ACID

AG29750. ACETIC ACID, CHROMIUM(3+) SALT
CAS: 001066304 MW: 229.15 MOLFM: O6-C6-H9 .Cr
WLN: QV1 & 3-CR-
SYN: CHROMIUM ACETATE * CERONIC ACETATE * CHROMIUM(III) ACETATE *
TXDS: imp-rat TDLo:1000 mg/kg/61WI TFX:NEO AEHLAU 5,445,62
scu-mus LDLo:2290 mg/kg JOCDAE 15,941,62

AG35800. ACETIC ACID, CROTYLIDENE- see:WG21000 SORBIC ACID

AG52500. ACETIC ACID, DEHYDRO- see:UP80500 2H-PYRAN-2,4(3H)-DIONE, 3-ACETYL-6-METHYL-

AG57750. ACETIC ACID, DIAZO-, ETHYL ESTER
MW: 114.12 MOLFM: N2-O2-C4-H6
WLN: NNU1VO2
SYN: DIAZOACETIC ACID ESTER * DIAZOACETIC ACID, ETHYL ESTER *
TXDS: orl-rat LD50:400 mg/kg XENO** 3,271,73
orl-rat TDLo:2400 mg/kg/68WC TFX:CAR NATWAY 50,99,63
ivn-rat LD50:280 mg/kg PSEBAA 135,219,70
ivn-rat TDLo:1000 mg/kg/40W TFX:CAR PSEBAA 135,219,70

AH13500. ACETIC ACID, ester with 2,6-DIMETHYL-m-DIOXAN-4-OL
MW: 190.22 MOLFM: O5-C8-H14
SYN: 6-ACETOXY-2,4-DIMETHYL-m-DIOXANE * ACETIC ACID, 2,6-DIMETHYL-m-DIOXAN-4-YL ESTER * DDOA * DIMETHOXANE * 2,6-DIMETHYL-m-DIOXAN-4-OL ACETATE * DIOXIN *
TXDS: orl-rat TDLo:1440 gm/kg/87WC TFX:NEO JNCIAM 53,791,74

AH13750. ACETIC ACID, 2,6-DIMETHYL-m-DIOXAN-4-YL ESTER see:AH13500 ACETIC ACID, ester with 2,6-DIMETHYL-m-DIOXAN-4-OL

AI05250. ACETIC ACID, 1,2,13,14,16,17-HEXAHYDRO-3-METHYL-14,16-DIOXO-6,12b(3',4')-endo-PYRROLOBENZ(j) ACEANTHRYLENE-15(6H)-, ETHYL ESTER
MW: 451.55 MOLFM: N-O4-C29-H25
SYN: ETHYL ESTER of 3-METHYLCHOLANTHRENE-endo-alpha,beta-SUCCINO GLYCINE *
TXDS: scu-mus TDLo:200 mg/kg TFX:CAR CNREA8 1,685,41

AI52500. ACETIC ACID, LEAD(2+) SALT
CAS: 000301042 MW: 325.29 MOLFM: O4-C4-H6 .Pb
WLN: OV1 & 2-PB-
SYN: ACETATE DE PLOMB (French) * LEAD ACETATE * LEAD DIACETATE * NORMAL LEAD ACETATE * SALT OF SATURN * SUGAR OF LEAD *
TXDS: orl-rat TDLo:82 gm/kg/44WC TFX:CAR BJCAAI 16,283,62
ipr-rat LDLo:204 mg/kg JPETAB 38,161,30
ivn-rat LD50: 120 mg/kg STSOAN 24,29,69
ipr-mus LD50:120 mg/kg COREAF 256,1043,63
U.S. OCCUPATIONAL STANDARD USOS-air FEREAC 37,22139,72
CRIT DOC: OCCUPATIONAL EXPOSURE TO INORGANIC LEAD NTIS** PB214-265

AI98050. ACETIC ACID, NICKEL(2+) SALT see:QR61250 NICKEL(II) ACETATE (1:1)

AJ29750. ACETIC ACID, PHENYLMERCURY DERIV. see:OV64750 MERCURY, (ACETATO)PHENYL-

AK81350. ACETO HMT see:MN47250 HEXAMETHYLENETETRAMINE

AK82250. ACETOHYDROXAMIC ACID, N-4-BIPHENYLYL-
CAS: 004463223 MW: 227.28 MOLFM: N-O2-C14-H13
WLN: 1VNQR DR
SYN: N-ACETYL-4-BIPHENYLHYDROXYLAMINE * N-HYDROXY-4-ACETAMIDOBIPHENYL * N-HYDROXY-4-ACETAMIDODIPHENYL * N-HYDROXY-4-ACETYLAMINOBIPHENYL *
TXDS: orl-rat TDLo:2400 mg/kg/16WC TFX:CAR CNREA8 21,1465,61
ipr-rat TDLo:732 mg/kg/4W TFX:CAR CNREA8 21,1465,61

AK84000. ACETOHYDROXAMIC ACID, N-FLUOREN-1-YL-
CAS: 022251015 MW: 239.29 MOLFM: N-O2-C15-H12
WLN: L B656 BHJ FNQV1
SYN: N-FLUOREN-1-YLACETOHYDROXAMIC ACID * N-HYDROXY-1-FLUORENYLACETAMIDE *
TXDS: ipr-rat TDLo:540 mg/kg/4WI TFX:CAR CNREA8 30,1485,70

AK85750. ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-
CAS: 000053952 MW: 239.29 MOLFM: N-O2-C15-H13
WLN: L B656 BHJ ENQV1
SYN: ACETAMIDE, N-HYDROXY-N-(2-FLUORENYL)- * N-FLUOREN-2-YLACETOHYDROXAMIC ACID * N-HYDROXY-2-ACETAMIDOFLUORENE * N-HYDROXY-2-ACETYLAMINOFLUORENE * N-HYDROXY-N-2-FLUORENYLACETAMIDE * NOHFAA *
TXDS: orl-rat TDLo:895 mg/kg/16WC TFX:CAR ENDOAO 82,685,68
ipr-rat TDLO:125 mg/kg/3WI TFX:CAR CNREA8 24,128,64
scu-rat TDLo:230 mg/kg/4WI TFX:CAR CNREA8 25,527,65
imp-rat TDLo:24 mg/kg TFX:NEO CNREA8 33,2489,73
orl-mus TDLo:46 gm/kg/61WC TFX:CAR CNREA8 24,2018,64
imp-mus TDLo:160 mg/kg TFX:NEO ANYAA9 108,924,63
orl-rbt TDLo:13 gm/kg/56WI TFX:CAR CNREA8 27,838,67
ipr-rbt TDLo:3880 mg/kg/40WI TFX:CAR CNREA8 27,838,67
orl-gpg TDLo:15 gm/kg/74WC TFX:CAR CNREA8 24,2018,64
ipr-gpg TDLo:700 mg/kg/78WI TFX:CAR CNREA8 24,2018,64
orl-ham TDLo:8900 mg/kg/33WC TFX:CAR CNREA8 24,2018,64
ipr-ham TDLo:960 mg/kg/20WI TFX:CAR CNREA8 24,2018,64

AK87500. ACETOHYDROXAMIC ACID, N-FLUOREN-3-YL-
CAS: 022225327 MW: 239.29 MOLFM: N-O2-C15-H13
WLN: L B656 BHJ DNQV1
SYN: N-FLUOREN-3-YLACETOHYDROXAMIC ACID * N-HYDROXY-3-FLUORENYLACETAMIDE *
TXDS: ipr-rat TDLo:270 mg/kg/4W TFX:CAR CNREA8 30,1485,70
imp-rat TDLo:24 mg/kg TFX:NEO CNREA8 33,2489,73

AK89250. ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, COBALT(2+) COMPLEX
MW: 535.49 MOLFM: N2-O4-C30-H24 .Co
WLN: L B656 BHJ ENO&V1 & 2-€O-
SYN: N-FLUOREN-2-YLACETOHYDROXAMIC ACID, COBALT(2+) COMPLEX * N-HYDROXY-2-ACETYLAMINOFLUORENE, COBALTOUS CHELATE *
TXDS: scu-rat TDLo:160 mg/kg/4WI TFX:CAR CNREA8 25,527,65

AK91000. ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, COPPER(2+) COMPLEX
CAS: 031874201 MW: 540.10 MOLFM: N2-O4-C30-H24 .Cu
WLN: L B656 BHJ ENO&V1 & 2-CU-
SYN: CUPRIC CHELATE of 2-N-HYDROXYFLUORENYLACETAMIDE * N-FLUOREN-2-YLACETOHYDROXAMIC ACID, COPPER(2+) COMPLEX * N-HYDROXY-2-ACETYLAMINOFLUORENE, CUPRIC CHELATE * N-HYDROXY-N-2-FLUORENYLACETAMIDE, CUPRIC CHELATE * 2-2-N-HYDROXYFLUORENYLACETAMIDE, CUPRIC CHELATE *
TXDS: orl-rat TDLo:1300 mg/kg/13WC TFX:CAR CNREA8 25,527,65
scu-rat TDLo:160 mg/kg/4WI TFX:CAR CNREA8 25,527,65
scu-rbt TDLo:130 mg/kg/6W TFX:NEO CNREA8 27,838,67

AK92750. ACETOHYDROXAMIC ACID, FLUOREN-2-YL-O-GLUCURONIDE
MW: 431.43 MOLFM: N-O9-C21-H21
SYN: O-GLUCURONIDE, N-HYDROXY-2-ACETYLAMINOFLUORENE * N-HYDROXY-2-ACETYLAMINOFLUORENE-O-GLUCURONIDE *
TXDS: scu-rat TDLo:755 mg/kg/9W TFX:CAR CNREA8 31,1645,71

AK94500. ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, IRON(3+) COMPLEX
MW: 532.41 MOLFM: N2-O4-C30-H24 .Fe
WLN: L B656 BHJ ENO&V1 & 3-FE-
SYN: N-FLUOREN-2-YLACETOHYDROXAMIC ACID, IRON(3+) COMPLEX * N-HYDROXY-N-HYDROXY-2-ACETYLAMINOFLUORENE, FERRIC CHELATE *
TXDS: scu-rat TDLo:155 mg/kg/4WI TFX:CAR CNREA8 25,527,65

AK96250. ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, MANGANESE(2+) COMPLEX
MW: 531.50 MOLFM: N2-O4-C30-H24 .Mn
WLN: L B656 BHJ ENO&V1 & 2-MN-
SYN: N-FLUOREN-2-YLACETOHYDROXAMIC ACID, MANGANESE(2+) COMPLEX * N-HYDROXY-2-ACETYLAMINOFLUORENE, MANGANOUS CHELATE *
TXDS: scu-rat TDLo:160 mg/kg/4WI TFX:CAR CNREA8 25,527,65

AK98000. ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, NICKEL(2+) COMPLEX
MW: 535.27 MOLFM: N2-O4-C30-H24 .Ni
WLN: L B656 BHJ ENO&V1 & 2-NI-
SYN: N-FLUOREN-2-YLACETOHYDROXAMIC ACID, NICKEL(2+) COMPLEX * N-HYDROXY-2-ACETYLAMINOFLUORENE, NICKELOUS CHELATE *
TXDS: scu-rat TDLo:160 mg/kg/4WI TFX:CAR CNREA8 25,527,65

AL01750. ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, POTASSIUM SALT
MW: 278.39 MOLFM: N-O2-C15-H13 .K
WLN: L B656 BHJ ENO&V1 &-KA-
SYN: N-FLUOREN-2-YLACETOHYDROXAMIC ACID, POTASSIUM SALT * N-HYDROXY-N-HYDROXY-2-ACETYLAMINOFLUORENE, POTASSIUM SALT *
TXDS: scu-rat TDLo:170 mg/kg/4WI TFX:CAR CNREA8 25,527,65

AL03500. ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, ZINC COMPLEX
MW: 541.93 MOLFM: N2-O4-C30-H24 .Zn
WLN: L B656 BHJ ENO&V1 & 2-ZN-
SYN: N-FLUOREN-2-YLACETOHYDROXAMIC ACID, ZINC COMPLEX * N-HYDROXY-N-HYDROXY-2-ACETYLAMINOFLUORENE, ZINC CHELATE *
TXDS: scu-rat TDLo:160 mg/kg/4WI TFX:CAR CNREA8 25,527,65

AL05250. ACETOHYDROXAMIC ACID, N-(7-FLUOROFLUOREN-2-YL)-
MW: 257.28 MOLFM: N-O2-F-C15-H12
WLN: L B656 BHJ ENQV1 KF
SYN: N-HYDROXY-7-FLUORO-2-ACETYLAMINOFLUORENE * 7-FLUORO-N-(FLUOREN-2-Y 7-FLUORO-N-(FLUOREN-2-YL)ACETOHYDROXAMIC ACID *
TXDS: orl-rat TDLo:480 mg/kg/73DC TFX:CAR CNREA8 26,2239,66

AL07000. ACETOHYDROXAMIC ACID, N-(7-HYDROXYFLOUREN-2-YL)-
MW: 255.29 MOLFM: N-O3-C15-H13
WLN: L B656 BHJ EQ KNQV1
SYN: N-(7-HYDROXYFLOUREN-2-YL)ACETOHYDROXAMIC ACID * N-HYDROXY-N-(7-HYDROXY-2-FLUORENYL)ACETAMIDE *
TXDS: ipr-rat TDLo:540 mg/kg/4WI TFX:CAR CNREA8 27,1443,67

AL08750. ACETOHYDROXAMIC ACID, N-2-NAPHTHYL-
MW: 201.24 MOLFM: N-O2-C12-H11
WLN: L66J CNQV1
SYN: N-ACETYL-2-NAPHTHYLHYDROXYLAMINE * N-2-NAPHTHYLACETOHYDROXAMIC ACID *
TXDS: imp-mus TDLo:160 mg/kg TFX:NEO ANYAA9 108,924,63

AL10500. ACETOHYDROXAMIC ACID, N-2-PHENANTHRYL-
MW: 251.30 MOLFM: N-O2-C16-H13
WLN: L B666J ENQV1
SYN: N-HYDROXY-2-ACETYLAMINOPHENANTHRENE * N-2-PHENANTHRYLACETOHYDROXAMIC ACID *
TXDS: scu-rat TDLo:100 mg/kg/4WI TFX:CAR CNREA8 26,2239,66

AL12250. ACETOHYDROXAMIC ACID, N-(p-PHENETHYL)PHENYL-
SYN: N-HYDROXY-4-ACETYLAMINOBIBENZYL * N-HYDROXY-4'-PHENETHYLACETANILIDE * N-(p-PHENETHYL)PHENYLACETOHYDROXAMIC ACID *

TXDS: ipr-rat TDLo:380 mg/kg/3WI TFX:NEO CNREA8 24,128,64

AL14000. ACETOHYDROXAMIC ACID, N-(4-QUINOLYL)-
MW: 202.23 MOLFM: N2-O2-C11-H10
WLN: T66 BNJ ENQV1
SYN: MONOACETYL 4-HYDROXYAMINOQUINOLINE * N-(4-QUINOLYL)ACETOHYDROXAMIC ACID *
TXDS: scu-mus TDLo:94 mg/kg/18WI TFX:NEO JJEMAG 40,475,70

AL17500. ACETOHYDROXAMIC ACID, trans-N-(p-STYRYLPHENYL)-
MW: 253.32 MOLFM: N-O2-C16-H15
WLN: 1VNQR D1U1R -T
SYN: trans-N-HYDROXY-4-ACETYLAMINOSTILBENE *
TXDS: orl-rat TDLo:427 mg/kg/22WC TFX:CAR BJCAAI 22,133,68
ipr-rat TDLo:20 mg/kg/4WI TFX:CAR CNREA8 20,128,64
scu-rat TDLo:37 mg/kg/4W TFX:CAR BJCAAI 22,133,68
scu-rat TDLo:48 mg/kg/5W TFX:CAR CNREA8 24,128,64

AL19250. ACETOHYDROXAMIC ACID, trans-N-(p-STYRYLPHENYL)-, COPPER(2+) COMPLEX
MW: 624.18 MOLFM: N2-O6-Cu-C34-H28
SYN: N-(p-STYRYLPHENYL)ACETOHYDROXAMIC ACID, COPPER(2+) COMPLEX * N-HYDROXY-4-ACETYLAMINOSTILBENE CUPRIC CHELATE *
TXDS: scu-rat TDLo:33 mg/kg/W TFX:CAR CNREA8 24,128,64

AL40250. ACETONE, CHLORO- see:UC07000 2-PROPANONE, 1-CHLORO-

AM33250. ACETONYL CHLORIDE see:UC07000 2-PROPANONE, 1-CHLORO-

AM57750. ACETOPHENONE, 2-AMINO-
CAS: 000551939
WLN: ZR BV1
SYN: 2-AMINOACETOPHENONE *
TXDS: scu-mus TDLo:2000 mg/kg/7WI TFX:CAR PGPKA8 14,12,69

AM59500. ACETOPHENONE, 2'-AMINO-3'-HYDROXY-
CAS: 004502107 MW: 151.10 MOLFM: N-O2-C8-H9
WLN: ZR BQ FV1
SYN: 2-AMINO-3-HYDROXYACETOPHENONE * 2-AMINO-3-HYDROXYPHENYL METHYL KETONE *
TXDS: imp-mus TDLo:80 mg/kg TFX:NEO BJCAAI 11,212,57

AN24500. ACETOTHIOAMIDE see:AC89250 ACETAMIDE,THIO

AN36750. o-ACETOTOLUIDIDE, 4'-PHENYL-
MW: 225.31 MOLFM: N-O-C15-H15
WLN: 1VMR B DR
SYN: 3-METHYL-4-ACETYLAMINOBIPHENYL * 4'-PHENYL-o-ACETOTOLUIDE *
TXDS: orl-rat TDLo:1800 mg/kg/24WC TFX:NEO CNREA8 22,1002,62

AN40250. trans-N-ACETOXY-4-ACETYL-AMINOSTILBENE see:HJ21000 trans-N, O-DIACETYL-N-(p-STYRYLPHENYL)HYDROXYLAMINE

AN55250. 1-ACETOXY-1,4-DIHYDRO-4-(HYDROXYAMINO)QUINOLINE ACETATE (ESTER) see:VB48000 QUINOLINE, 1,4-DIHYDRO-1-ACETOXY-4-HYDROXYAMINO-, ACETATE (ESTER)

AN56000. 21-ACETOXY-3,20-DIKETOPREGN-4-ENE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

AN64000. 6-ACETOXY-2,4-DIMETHYL-m-DIOXANE see:AH13500 ACETIC ACID, ester with 2,6-DIMETHYL-m-DIOXAN-4-OL

AN70000. N-ACETOXY-2-FLUORENYLBENZAMIDE see:DG05250 BENZOHYDROXAMIC ACID, N-FLUOREN-2-YL-, ACETATE

AN77800. (ACETOXYMERCURI)BENZENE see:OV64750 MERCURY, (ACETATO)PHENYL-

AN79500. 10-ACETOXYMETHYL-1,2-BENZANTHRACENE see:CW85750 BENZ(a)ANTHRACENE-7-METHANOL ACETATE

AN80000. 6-ACETOXYMETHYLBENZO(a)PYRENE see:DJ48000 BENZO(a)PYRENE, 6-ACETOXYMETHYL-

AN80500. 7-ACETOXYMETHYL-12-METHYLBENZ(a)ANTHRACENE see:CW91000 BENZ(a)ANTHRACENE-7-METHANOL, 12-METHYL-, ACETATE

AN81300. ACETOXYPHENYLMERCURY see:OV64750 MERCURY, (ACETATO)PHENYL-

AN87500. ACETO ZDED see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

AN89250. ACETO ZDMD see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

AO15000. 2-ACETYLAMINOBIPHENYL see:AB60000 ACETANILIDE, 2'-PHENYL-

AO15500. 3-ACETYLAMINOBIPHENYL see:AE60500 ACETANILIDE, 3'-PHENYL-

AO15750. 4-ACETYLAMINOBIPHENYL see:AE61250 ACETANILIDE, 4'-PHENYL-

AO26700. 3-ACETYLAMINO-FLUORANTHEN (German) see:AB90000 ACETAMIDE, N-FLUORANTHEN-3-YL-

AO27000. 3-ACETYLAMINOFLUORANTHENE see:AB90000 ACETAMIDE, N-FLUORANTHEN-3-YL-

AO27300. 2-ACETYLAMINO-FLUOREN (German) see:AB94500 ACETAMIDE, N-FLUOREN-2-YL

AO27500. 4-ACETYLAMINOFLUOREN (German) see:AB95300 ACETAMIDE, N-FLUOREN-4-YL-

AO28000. N-ACETYL-2-AMINOFLUORENE see:AB94500 ACETAMIDE, N-FLUOREN-2-YL

AO29750. 2-ACETYLAMINOFLUORENE see:AB94500 ACETAMIDE, N-FLUOREN-2-YL

AO31000. 4-ACETYLAMINOFLUORENE see:AB95300 ACETAMIDE, N-FLUOREN-4-YL-

AO33250. 2-ACETYLAMINO-9-FLUORENONE see:AC70000 ACETAMIDE, N-(9-OXOFLUOREN-2-YL)-

AO36750. 2-ACETYLAMINO-4-(5-NITRO-2-FURYL)THIAZOLE see:AC66500 ACETAMIDE, N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)- ●

AO38500. 2-ACETYLAMINOPHENANTHRENE see:AC71750 ACETAMIDE, N-2-PHENANTHRYL-

AO40250. 3-ACETYLAMINOPHENANTHRENE see:AC73500 ACETAMIDE, N-3-PHENANTHRYL-

AO42000. 9-ACETYLAMINOPHENANTHRENE see:AC75250 ACETAMIDE, N-9-PHENANTHRYL-

AO47250. 4-ACETYLAMINOSTILBENE see:AE70000 ACETANILIDE, 4'-STYRYL-

AO48000. 4-ACETYLAMINO-p-TERPHENYL see:AC85200 ACETAMIDE, p-TERPHENYL-4-YL-

AO51500. 1-ACETYLAZIRIDINE see:CM63000 AZIRIDINE, 1-ACETYL-

AO56000. 2-ACETYL-3,4-BENZPHENANTHRENE
TXDS: scu-mus TDLo:200 mg/kg/I TFX:CAR PRLBA4 131,170,42

AO59500. N-ACETYL-4-BIPHENYLHYDROXYLAMINE see:AK82250 ACETOHYDROXAMIC ACID, N-4-BIPHENYLYL-

AP19500. ACETYLETHYLENEIMINE see:CM63000 AZIRIDINE, 1-ACETYL-

AP21000. N'-ACETYL ETHYLNITROSOUREA see:YR68250 UREA, N'-ACETYL ETHYLNITROSO-

AP63000. ACETYLMETHYLNITROSOUREA see:YT82250 UREA, 1-METHYL-1-NITROSOACETYL-

AP64750. N'-ACETYL-METHYLNITROSOUREA see:YT82250 UREA, 1-METHYL-1-NITROSOACETYL-

AP66500. 3-ACETYL-6-METHYL-2,4-PYRANDIONE see:UP80500 2H-PYRAN-2,4(3H)-DIONE, 3-ACETYL-6-METHYL-

AP67500. 3-ACETYL-6-METHYLPYRANDIONE-2,4 see:UP80500 2H-PYRAN-2,4(3H)-DIONE, 3-ACETYL-6-METHYL-

AP68250. 3-ACETYL-6-METHYL-2H-PYRAN-2,4(3H)-DIONE see:UP80500 2H-PYRAN-2,4(3H)-DIONE, 3-ACETYL-6-METHYL-

AP77000. N-ACETYL-2-NAPHTHYLHYDROXYLAMINE see:AL08750 ACETOHYDROXAMIC ACID, N-2-NAPHTHYL-

AP85000. ACETYL PEROXIDE
CAS: 000110225 MW: 118.10 MOLFM: O4-C4-H6
TXDS: ihl-mus TDLo:283 mg/kg TFX:NEO RARSAM 3,193,63

AQ20500. N-ACETYL TRIMETHYLCOLCHICINIC ACID METHYLETHER see:GH07000 COLCHICINE

AQ31500. ACIDAL BRIGHT PONCEAU 3R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AQ36750. ACIDAL GREEN G see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

AQ38500. ACIDAL LIGHT GREEN SF see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

AQ40250. ACIDAL PONCEAU G see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AQ40300. ACIDAL WOOL GREEN BS see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

AQ40400. ACID AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AQ40500. ACID AMARANTE I see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AQ40600. ACID AMARANTH N see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AQ43750. ACID BLUE 9 see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

AQ46000. ACID BLUE W see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

AQ46200. ACID BRILLIANT GREEN BS see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

AQ47250. ACID BRILLIANT GREEN SF see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

AQ50750. ACID BRILLIANT SCARLET 3R see:QK22750 1,3-NAPETHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AQ58040. ACIDE CARBOLIQUE (French) see:SJ33250 PHENOL

AQ60400. ACID FAST VIOLET 5BN see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

AQ61250. ACID GREEN A see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

AQ63000. ACID GREEN B see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

AQ64750. ACID GREEN 2G see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

AQ66500. ACID GREEN L see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

AQ68250. ACID GREEN S see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

AQ69000. ACID LEATHER BLUE 1C see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

AQ73500. ACID LEATHER GREEN F see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

AQ75250. ACID LEATHER GREEN 3G see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

AQ75800. ACID LEATHER GREEN S see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

AQ76000. ACID LEATHER ORANGE I see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

AQ76500. ACID LEATHER RED 12BW see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AQ77000. ACID LEATHER RED KPR see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AQ78750. ACID LEATHER RED P2R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AQ79200. ACID LEATHER RUBINE S see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AQ80500. ACID LEATHER SCARLET IRW see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AQ89500. ACID ORANGE I see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

AQ91000. ACID PONCEAU R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AQ92750. ACID PONCEAU 4R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AQ94500. ACID PONCEAU 2RL see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AQ96250. ACID PONCEAU SPECIAL see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AR01750. ACID RED 18 see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AR03500. ACID RED 26 see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AR08750. ACID SCARLET 2B see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AR10500. ACID SCARLET 2R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AR12250. ACID SCARLET 3R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AR14000. ACID SCARLET 4R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AR15750. ACID SCARLET 2R FOR LAKES see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AR17500. ACID SCARLET 2R FOR LAKES BLUISH see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AR19250. ACID SCARLET 2RL see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AR21000. ACID SCARLET 3RZ see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AR22750. ACID SKY BLUE A see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

AR25700. ACID VIOLET see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE-2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

AR30000. ACID VIOLET 6B see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE-2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

AR30700. ACID VIOLET 4BNS see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE-2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

AR36750. ACID YELLOW TRA see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

AR42000. ACILAN GREEN B see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

AR43000. ACILAN GREEN BS see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

AR43750. ACILAN GREEN SFG see:BQ49000 AMMONIUM, ETHYL(4-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

AR45500. ACILAN SCARLET V3R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AR47250. ACILAN TURQUOISE BLUE AE see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

AR48000. ACILAN VIOLET S4BN see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

AR75250. ACRIDINE, 9-(2-(BIS(2-CHLOROETHYL)AMINO)ETHYLAMINO)-6-CHLORO-2-METHOXY-, DIHYDROCHLORIDE HYDRATE
MW: 517.71 MOLFM: N3-O-C13-C20-H22 .2Cl-H .O-H2
WLN: T C666 BNJ EG IM2N2G2G LO1 &GH &GH &QH
SYN: ICR-48b * NSC-34372 * QUINACRINE ETHYL MUSTARD *
TXDS: ipr-mus TDLo:16 mg/kg/4W TFX:CAR JNCIAM, 36,915,66

AR80500. ACRIDINE, 9-(2-(2-CHLOROETHYL)AMINO)ETHYLAMINO)-6-CHLORO-2-METHOXY-, DIHYDROCHLORIDE HYDRATE
MW: 450.17 MOLFM: N3-O-C12-C18-H14 .2Cl-H .O-H2
WLN: T C666 BNJ EG IM2M2G LO1 &GH &GH &QH
SYN: 9-(2-((2-CHLOROETHYL)AMINO)ETHYLAMINO)-6-CHLORO-2-METHOXYACRIDINE, DIHYDROCHLORIDE
ICR-125 * QUINACRINE ETHYL M/2 *
TXDS: ipr-mus TDLo:570 mg/kg/4WI TFX:NEO JNCIAM 36,915,66

AR94880. ACRIDINE RED see:ZD55000 3H-XANTHEN-6-AMINE, N-METHYL-3-(METHYLIMINO)-, HYDROCHLORIDE

AR94920. ACRIDINE RED 3B see:ZD55000 3H-XANTHEN-6-AMINE, N-METHYL-3-(METHYLIMINO)-, HYDROCHLORIDE

AR94960. ACRIDINE RED, HYDROCHLORIDE see:ZD55000 3H-XANTHEN-6-AMINE, N-METHYL-3-(METHYLIMINO)-, HYDROCHLORIDE

AT69000. ACRYLONITRILE, 2-(p-METHOXYPHENYL)-3,3-DIPHENYL-
MW: 311.40 MOLFM: N-O-C22-H17
WLN: 1OR DYCN&UYR&R
SYN: alpha-(p-METHOXYPHENYL)-beta,beta-DIPHENYLACRYLONITRILE * 2-(p-METHOXYPHENYL)-3,3-DIPHENYLACRYLONITRILE *
TXDS: scu-mus TDLo:94 mg/kg/26WI TFX:CAR MMJJAI 11,95,61
imp-mus TDLo:80 mg/kg/WI TFX:NEO NNGZAZ 33,53,57

AT71000. ACRYLONITRILE, 2,3,3-TRIPHENYL-
MW: 281.37 MOLFM: N-C21-H15
WLN: NCYR&UYR&R
SYN: alpha,beta,beta-TRIPHENYLACRYLONITRILE * 2,3,3-TRIPHENYLACRYLONITRILE *
TXDS: orl-rat LD50:284 mg/kg TXAPA9 14,340,69
scu-mus TDLo:94 mg/kg26WI TFX:CAR MMJJAI 11,95,61

AT71750. ACRYLOPHENONE see:SN40250 PHENONE, 2-PROPENO-

AT82250. ACT see:AU15750 ACTINOMYCIN D

AU01750. ACTINOCHRYSIN see:AU14000 ACETINOMYCIN C

AU05250. ACTINOLITE see:CI64750 ASBESTOS

AU10500. ACTINOMYCIN 1048A see:AU19250 ACTINOMYCIN S

AU14000. ACTINOMYCIN C
CAS: 001415721 MW: 1260.62 MOLFM: N11-O17-C62-H89
SYN: ACTINOCHRYSIN * SANAMYCIN * SANDAMYCIN *
TXDS: ivn-rat TDLo:364 mg/kg/1YI TFX:NEO ARZNAD 20,1461,70
orl-mus LDLo:50 mg/kg NATWAY 39,429,52
ipr-mus LDLo:5 mg/kg NATWAY 39,429,52

AU14800. ACTINOMYCIN C1 see:AU15750 ACTINOMYCIN D

AU15750. ACTINOMYCIN D
CAS: 000050760 MW: 1254.74 MOLFM: N12-O16-C62-H86
WLN: T C666 BO EV INJ D PZ N G- K-/VM- OT5-16- AN FVN IVN LVO PVM SVTJ G J KY N RY 2
SYN: ACT * ACTINOMYCIN C1 * ACTINOMYCIN IV * AD * COSMEGEN * DACTINOMYCIN * HBF 386 * MERACTINOMYCIN * NSC 3053 * ONCOSTATIN K *
TXDS: ipr-rat LD50:400 ug/kg CPCHAO 18,307,62
ipr-rat TDLo:2.0 mg/kg TFX:NEO CNREA8 30,2271,70
unk-rat TDLo:225 ug/kg/(1-9D preg) TFX:TER CRSSAF 154,914,60
ipr-mus LD50:700 ug/kg ABANAE -,853,55
ipr-mus TDLo:340 mg/kg TFX:MUT TXAPA9 23,288,72
ipr-mus TDLo:140 ug/kg/(6-8D preg) TFX:TER APJAAG 18,267,68
scu-mus TDLo:280 ug/kg/18WI TFX:CAR APJAAG 17,495,67

AU19250. ACTINOMYCIN S
SYN: ACTINOMYCIN 1048A *
TXDS: scu-mus TDLo:0.28 mg/kg/18WI TFX:CAR APJAAG 17,495,67

AU21000. ACTINOMYCIN IV see:AU15750 ACTINOMYCIN D

AU31500. ACURLING FACTOR see:WG98000 SPIRO(BENZOFURAN-2(3H),1'-(2)CYCLOHEXENE)-3,4'-DIONE, 7-CHLORO-2',4,6= -TRIMETHOXY-6'-beta-METHYL-

AU38500. AD see:AU15750 ACTINOMYCIN D

AU39300. ADALIN see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

AU55000. ADC AURAMINE O see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

AU59900. ADDISOMNOL see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

AU66500. ADENINE 1-OXIDE
CAS: 000935842 MOLFM: N5-O-C5-H5
SYN: ADENINE 1-N-OXIDE *
TXDS: scu-rat TDLo:1300 mg/kg/26WI TFX:NEO CNREA8 30,184,70

AU67300. ADENINE 1-N-OXIDE see:AU66500 ADENINE 1-OXIDE

AV24500. ADIPLON see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

AV36750. ADONAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

AV98000. ADRIAMYCIN
CAS: 023214928 MW: 554.10 MOLFM: N-O11-C25-H27 .Cl-H
SYN: ADRIBLASTINA * 14-HYDROXYDAUNORUBICINE * NSC-123127 *
TXDS: ivn-hmn LDLo:400 ug/kg CCYPBY 56,33,72
ivn-rat TDLo:8.0 mg/kg TFX:NEO EXPEAM 27,1209,71
ivn-mus LDLo:16 mg/kg EXPEAM 26,389,70
ivn-dog LDLo:250 mg/kg TXAPA9 21,287,72
ivn-rbt LDLo:250 mg/kg TXAPA9 21,287,72

AW03500. ADRIBLASTINA see:AV98000 ADRIAMYCIN

AW12250. AERO CYANATE see:GS68250 CYANIC ACID, POTASSIUM SALT

AW23200. AETHANOL (German) see:KQ63000 ETHYL ALCOHOL

AW25400. AETHYL-AETHANOL-NITROSOAMIN (German) see:KL03500 ETHANOL, 2-(ETHYLNITROSAMINO)-

AW25420. AETHYLALKOHOL (German) see:KQ63000 ETHYL ALCOHOL

AW25550. AETHYL-n-BUTYL-NITROSOAMIN (German) see:EO50750 BUTYLAMINE, N-ETHYL-N-NITROSO-

AW25570. AETHYL-t-BUTYL-NITROSOAMIN (German) see:EO51000 t-BUTYLAMINE, N-ETHYL-N-NITROSO-

AW25580. AETHYLCARBAMAT (German) see:FA84000 CARBAMIC ACID, ETHYL ESTER

AW26100. AETHYLENIMIN (German) see:KX50750 ETHYLENIMINE

AW28150. AETHYL-ISOPROPYL-NITROSOAMIN (German) see:IA34000 DIETHYLAMINE, 1-METHYL-N-NITROSO-

AW29300. AETHYLNITROSO-HARNSTOFF (German) see:YT31500 UREA, ETHYL NITROSO-

AW29680. AETHYL-VINYL-NITROSOAMIN (German) see:YZ07000 VINYLAMINE, N-ETHYL-N-NITROSO-

AW40200. A.F. BLUE No. 2 see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

AW42000. A.F. GREEN NO. 1 see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

AW43750. A.F. GREEN NO. 2 see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

AW49000. APICIDE see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

AW61250. APLATOXIN B see:GY19250 CYCLOPENTA(c)FURO(3',2':4,5)FURO(2,3-h)(1)BENZOPYRAN-1,11-DIONE-, 2,3,6a,9a-TETRAHYDRO-4-METHOXY-

AW63000. APLATOXIN B1 see:GY19250 CYCLOPENTA(c)FURO(3',2':4,5)FURO(2,3-h)(1)BENZOPYRAN-1,11-DIONE-, 2,3,6a,9a-TETRAHYDRO-4-METHOXY-

AW64750. AFLATOXIN B2
CAS: 007220817 MW: 314.17 MOLFM: O6-C17-H14
WLN: T P5 C6 B655 DOV GV OO QOT6&TTJ LO1
SYN: DIHYDROAFLATOXIN B1 *
TXDS: ipr-rat TDLo:680 mg/kg/8WI TFX:CAR CNREA8 31,1936,71
orl-dck LD50:85 ug/kg NATUAS 200,1101,63

AW66500. AFLATOXIN G1
CAS: 001385951 MW: 328.17 MOLFM: O7-C17-H12
TXDS: orl-rat LD50:40 ug/kg NATUAS 200,1101,63
scu-rat TDLo:12 mg/kg/30W TFX:CAR BJCAAI 19,392,65
orl-dck LD50:785 ug/kg PSEBAA 123,151,66

AW68250. AFLATOXIN G1 mixed with AFLATOXIN B1 (56% G1:38% B1)
TXDS: orl-rat TDLo:4480 mg/kg/64WC TFX:NEO BJCAAI 20,134,66
scu-rat TDLo:1760 mg/kg/44W TFX:CAR BJCAAI 19,392,65
itr-rat TDLo:180 mg/kg/30W TFX:CAR BJCAAI 20,134,66
scu-mus TDLo:18 mg/kg/23W TFX:CAR BJCAAI 19,392,65

AW73600. A.F. ORANGE NO. 1 see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

AW73700. A.F. ORANGE NO. 2 see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

AW73800. A.F. RED NO. 5 see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

AW76000. A.F. YELLOW NO. 3 see:QM50000 2-NAPHTHYLAMINE, 1-(o-TOLYLAZO)-

AW77000. A.F. YELLOW NO. 5 see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

AW98000. AGOFOLLIN see:KG47250 ESTRADIOL, DIPROPIONATE

AX07000. AGRISOL G-20 see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

AX10500. AGROCIDE see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

AX12250. AGROCIDE 2 see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

AX14000. AGROCIDE III see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

AX15750. AGROCIDE 7 see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

AX17500. AGROCIDE WP see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

AX24500. AGROSAN GN 5 see:OV64750 MERCURY, (ACETATO)PHENYL-

AX29750. AGRYPNAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

AX38500. AHCOCID FAST SCARLET R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AX53000. AIREDALE BLUE 2BD see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

AX53600. AIREDALE BLUE IN see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

AX61600. AIZEN ACID VIOLET 5BH see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE-2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

AX62000. AIZEN AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AX62250. AIZEN AURAMINE see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

AX62500. AIZEN AURAMINE CONC. SPR see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

AX62750. AIZEN AURAMINE OH see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

AX63000. AIZEN BRILLIANT BLUE FCF see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOBENZYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

AX64750. AIZEN BRILLIANT SCARLET 3RH see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

AX70400. AIZEN DIRECT BLUE 2BH see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

AX72300. AIZEN ORANGE I see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

AX73500. AIZEN PONCEAU RH see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

AX75250. AIZEN URANINE see:LM54250 FLUORESCEIN, DISODIUM SALT

AX82250. AKAR see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

AX84000. AKAR 338 see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

AY35000. ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, D-
MW: 305.03 MOLFM: N2-O2-C12-C13-H18
SYN: p-DI-(2-CHLOROETHYL)-AMINO-D-PHENYLALANINE * MEDPHALAN * D-SARCOLYSINE *
TXDS: ice-rat LD50:90 ug/kg JPPMAB 18,760,66
skn-mus TDLo:120 mg/kg/10W TFX:CAR BJCAAI 10,363,56

AY36750. ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-
CAS: 000148823 MW: 305.03 MOLFM: N2-O2-C12-C13-H18
WLN: QVYZ1R DN2G2G -L
SYN: ALKERAN * L-3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)ALANINE * p-N-BIS(2-CHLOROETHYL)AMINO-L-PHENYLALANINE * 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-L-ALANINE * p-DI-(2-CHLOROETHYL)AMINO-L-PHENYLALANINE * CB 3025 * MELPHALAN * MEPHALAN * NSC-8806 * L-PAM * L-PHENYLALANINE MUSTARD * SARCOLYSINE * p-L-SARCOLYSIN * L-SARCOLYSINE * SARKOLYSIN *
TXDS: ipr-rat LD50:4484 ug/kg BCPCA6 13,969,64
ice-rat LD50:160 ug/kg JPPMAB 18,760,66
skn-mus TDLo:58 mg/kg/10W TFX:CAR BJCAAI 10,363,56
ipr-mus LDLo:25 mg/kg FATOAO 34,83,71

AY40250. ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, MONOHYDROCHLORIDE, L-
MW: 341.69 MOLFM: N2-O2-C12-C13-H18 .Cl-H
WLN: QVYZ1R DN2G2G &GH -L
SYN: L-PHENYLALANINE MUSTARD HYDROCHLORIDE *
TXDS: orl-hmn TDLo:1200 ug/kg/5DI TFX:GIT CCROBU 57,369,73
ipr-mus TDLo:1300 ug/kg/4W TFX:CAR JNCIAM 36,915,66

AY43000. ALANINE, 3-((2-CARBOXYETHYL)THIO)-
CAS: 004033469 MW: 193.24 MOLFM: N-O4-S-C6-H11
WLN: QVYZ1S2VQ
SYN: S-2-CARBOXYETHYL-L-CYSTEINE * 3-((2-CARBOXYETHYL)THIO)ALANINE *
TXDS: scu-rat TDLo:208 mg/kg/52WI TFX:NEO BJCAAI 15,85,61

AY64750. ALANINE, 3-(3-HYDROXYANTHRANILOYL)-
CAS: 000484786 MW: 224.12 MOLFM: N2-O4-C10-H12
WLN: ZR BQ FV1YZVQ
SYN: 3-HYDROXYKYNURENINE * KYNURENINE, 3-HYDROXY- *
TXDS: imp-mus TDLo:80 mg/kg TFX:NEO BJCAAI 11,212,57

AY66500. ALANINE, 3-(3-HYDROXYANTHRANILOYL)-, L-
CAS: 000606144 MW: 220.24 MOLFM: N2-O4-C10-H12
WLN: ZR BQ FV1YZVQ -L
SYN: 3-(3-HYDROXYANTHRANILOYL)-L-ALANINE * 3-HYDROXY-L-KYNURENINE *
TXDS: imp-mus TDLo:160 mg/kg TFX:NEO ANYAA9 108,924,63

AY79100. ALATHON see:TQ33250 POLYETHYLENE

AY87500. ALBEXAN see:WO84000 SULFANILAMIDE

AY92750. ALBOSAL see:WO84000 SULFANILAMIDE

AY98000. ALCOBAM ZM see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

AZ01750. ALCOHOL, ANHYDROUS see:KQ63000 ETHYL ALCOHOL

AZ08750. ALCOHOL DEHYDRATED see:KQ63000 ETHYL ALCOHOL

AZ09700. ALCOOL ETHYLIQUE (French) see:KQ63000 ETHYL ALCOHOL

AZ09750. ALCOOL ETILICO (Italian) see:KQ63000 ETHYL ALCOHOL

AZ16300. ALDEHYDE FORMIQUE (French) see:LP89250 FORMALDEHYDE

AZ18900. ALDEIDE FORMICA (Italian) see:LP89250 FORMALDEHYDE

AZ19250. ALDERLIN see:QJ91000 2-NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-

AZ21000. ALDERLIN HYDROCHLORIDE see:QJ92750 NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-, HYDROCHLORIDE

AZ26250. ALDINAMID see:UQ22750 PYRAZINECARBOXAMIDE

AZ28000. ALDINAMIDE see:UQ22750 PYRAZINECARBOXAMIDE

AZ36200. ALDOMYCIN see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

AZ38500. ALDREX see:IO21000 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-, endo,exo-

AZ40250. ALDRIN see:IO21000 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-, endo,exo-

AZ40800. ALDRINE (French) see:IO21000 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-, endo,exo-

AZ44100. ALEPSIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

AZ47500. ALEVIATIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

AZ48400. ALFANAFTILAMINA (Italian) see:QM14000 1-NAPHTHYLAMINE

AZ48700. ALFA-NAFTYLOAMINA (Polish) see:QM14000 1-NAPHTHYLAMINE

AZ63000. ALGRAIN see:KQ63000 ETHYL ALCOHOL

AZ66500. ALICYANATE see:GS68250 CYANIC ACID, POTASSIUM SALT

AZ78000. ALKATHENE see:TQ33250 POLYETHYLENE

AZ80500. ALKERAN see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-

AZ81300. ALKIRON see:YR08750 URACIL, 6-METHYL-2-THIO-

AZ81700. ALKOHOL (German) see:KQ63000 ETHYL ALCOHOL

BA70000. ALLYLAMINE, N-METHYL-N-NITROSO-
CAS: 004549433 MW: 100.14 MOLFM: N2-O-C4-H8
WLN: ONN1&2U1
SYN: METHYLALLYLNITROSAMINE * N-METHYL-N-NITROSOALLYLAMINE *
TXDS: orl-rat TDLo:800 mg/kg/76WI TFX:NEO ARZNAD 19,1077,69

BA96250. ALLYLCATECHOL METHYLENE ETHER see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

BB22750. ALLYLDIOXYBENZENE METHYLENE ETHER see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

BB82250. ALLYL METHANESULFONATE see:PB12250 METHANESULFONIC ACID, ALLYL ESTER

BC01750. 1-ALLYL-3,4-METHYLENEDIOXYBENZENE see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

BC03500. 4-ALLYL-1,2-METHYLENEDIOXYBENZENE see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

BC05250. 4-ALLYL-1,2-(METHYLENEDIOXY)-BENZENE see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

BC31500. ALLYL PHOSPHATE see:TC85750 PHOSPHORIC ACID, TRI-2-PROPENYL ESTER

BC33250. ALLYL PHOSPHATE, TRI- see:TC85750 PHOSPHORIC ACID, TRI-2-PROPENYL ESTER

BC40250. m-ALLYLPYROCATECHIN METHYLENE ETHER see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

BC42000. 4-ALLYLPYROCATECHOL FORMALDEHYDE ACETAL see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

BC43750. ALLYLPYROCATECHOL METHYLENE ETHER see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

BC84000. ALPEROX C see:OP26250 LAUROYL PEROXIDE

BC91000. ALPHAZURINE see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

BC92750. ALPHAZURINE FG see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

BC94500. ALPHAZURINE FGND see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

BC98000. ALTRAD see:KG29750 ESTRADIOL

BD07000. ALUMINUM DEXTRAN
TXDS: scu-mus TDLo:112 gm/kg/14W TFX:CAR JNCIAM 24,109,60

BD34250. ALVIT see:IO17500 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-6,7-EPOXY-1,4,4a,5,6,7,8,8a- OCTAHYDRO, endo,exo-

BD38500. AMABEVAN see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

BD40250. AMACEL DEVELOPED NAVY SD see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

BD43000. AMACID AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

BD43750. AMACID BLUE FG CONE see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

BD44600. AMACID BRILLIANT BLUE see:DO30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

BD50750. AMACID GREEN B see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

BD52500. AMACID GREEN G see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

BD54250. AMACID LAKE SCARLET 2R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

BD57000. AMACID WOOL GREEN S see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

BD59000. AMANIL BLUE 2BX see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

BD59500. AMANIL SKY BLUE R see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

BD70150. AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

BD70300. AMARANTH A see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

BD70450. AMARANTH B see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

BD70600. AMARANTH BPC see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

BD70750. AMARANTH EXTRA see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

BD70900. AMARANTH LAKE see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

BD71050. AMARANTH S see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

BD71200. AMARANTH S SPECIALLY PURE see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

BD71350. AMARANTH USP see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

BD71500. AMARANTH WD see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPETHYL)AZO)-, TRISODIUM SALT

BD87500. AMBESIDE see:WO84000 SULFANILAMIDE

BE12250. AMEBAN see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

BE14000. AMEBARSONE see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

BE19250. AMENORON see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

BE41050. AMERICAN PENICILLIN see:XR98000 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYL= ACETAMIDO)-, MONOSODIUM SALT

BE43200. AMETHOPTERIN see:MA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

BE49000. AMIANTHUS see:CI64750 ASBESTOS

BE52500. AMIBIARSON see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

BE82000. o-AMIDOBENZOIC ACID see:CB24500 ANTHRANILIC ACID

BE88300. AMIDON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

BF14800. AMILAN see:RF52500 NYLON

BF17500. AMINARSON see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

BF19250. AMINARSONE see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

BF36750. 2-AMINOACETOPHENONE see:AM57750 ACETOPHENONE, 2-AMINO-

BF63000. 2-AMINOANTHRACENE see:CA92750 2-ANTHRACENAMIDE

BF64750. alpha-AMINOANTHRAQUINONE see:CB50750 ANTHRAQUINONE, 1-AMINO-

BF66500. 1-AMINOANTHRAQUINONE see:CB50750 ANTHRAQUINONE, 1-AMINO-

BF73500. AMINOARSON see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

BF75250. AMINOAZOBENZENE see:BY82250 ANILINE, p-(PHENYLAZO)-

BF77000. p-AMINOAZOBENZENE see:BY82250 ANILINE, p-(PHENYLAZO)-

BF80500. 4-AMINOAZOBENZENE see:BY82250 ANILINE, p-(PHENYLAZO)-

BF84000. p-AMINOAZOBENZOL see:BY82250 ANILINE, p-(PHENYLAZO)-

BF84800. 4-AMINOAZOBENZOL see:BY82250 ANILINE, p(PHENYLAZO)-

BF87500. o-AMINOAZOTOLUENE see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

BF91000. 2-AMINO-5-AZOTOLUENE see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

BF96250. 4'-AMINO-3-2'-AZOTOLUENE see:XU84000 m-TOLUIDINE, 4-(m-TOLYAZO)-

BF98000. 4'-AMINO-4-2'-AZOTOLUENE see:XU85750 m-TOLUIDINE, 4-(p-TOLYAZO)-

BG01750. 4'-AMINO-4-3'-AZOTOLUENE see:XU89250 o-TOLUIDINE, 4-(p-TOLYAZO)-

BG02500. 10-AMINOBENZ(a)ACRIDINE see:CU30100 BENZ(a)ACRIDINE, 10-AMINO-

BG07000. 5-AMINO-1,2-BENZANTHRACENE
TXDS: scu-mus TDLo:200 mg/kg/I TFX:CAR PRLEA4 131,170,42

BG14000. p-AMINOBENZENESULFAMIDE see:WO84000 SULFANILAMIDE

BG17500. p-AMINOBENZENESULFONAMIDE see:WO84000 SULFANILAMIDE

BG19250. 4-AMINOBENZENESULFONAMIDE see:WO84000 SULFANILAMIDE

BG23500. 2-(p-AMINOBENZENESULFONAMIDO)THIAZOLE see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

BG27000. 2-(p-AMINOBENZENESULPHONAMIDO)THIAZOLE see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

BG38500. m-AMINOBENZOIC ACID see:DG12250 BENZOIC ACID, m-AMINO-

BG39000. o-AMINOBENZOIC ACID see:CB24500 ANTHRANILIC ACID

BG39800. 2-AMINOBENZOIC ACID see:CB24500 ANTHRANILIC ACID

BG77000. p-AMINOBIPHENYL see:DU89250 4-BIPHENYLAMINE

BG78750. 4-AMINOBIPHENYL see:DU89250 4-BIPHENYLAMINE

BG80500. 4-AMINO-3-BIPHENYLOL see:DV59500 3-BIPHENYLOL, 4-AMINO-

BG82250. 4'-AMINO-4-BIPHENYLOL see:DV61250 4-BIPHENYLOL, 4'-AMINO-

BH50600. 1-AMINO-2-CARBOXYBENZENE see:CB24500 ANTHRANILIC ACID

BH77800. 2-AMINO-3-CHLORO-1,4-NAPHTHOQUINONE see:QL73500 1,4-NAPHTHOQUINONE, 2-AMINO-3-CHLORO-

BI02200. 4-AMINO-4-DEOXY-N(sup 10)-METHYLPTEROYLGLUTAMATE see:MA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

BI02800. 4-AMINO-4-DEOXY-N(sup 10)-METHYLPTEROYLGLUTAMIC ACID see:MA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

BI03500. 4-AMINO-4-DEOXYPTEROYLGLUTAMATE see:MA10500 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)AMINO)BENZOYL)-, L-

BI07000. 9-AMINO-1,2,5,6-DIBENZANTHRACENE see:HN21500 DIBENZ(a,h)ANTHRACEN-7-AMINE

BI08000. 9-AMINO-1,2,5,6-DIBENZANTHRACENE see:HN32500 DIBENZ(a,h)ANTHRACENE, 14-AMINO-

BI38500. 4-AMINO-2',3-DIMETHYLAZOBENZENE see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

BI45500. 2-AMINO-4,5-DIMETHYLPHENOL see:ZE66500 4,5-XYLENOL, 2-AMINO-

BI46250. OESTRADIOL see:KG29750 ESTRADIOL

BI47250. p-AMINODIPHENYL see:DU89250 4-BIPHENYLAMINE

BI47300. D-3,17-beta-OESTRADIOL see:KG29750 ESTRADIOL

BI49000. 4-AMINODIPHENYL see:DU89250 4-BIPHENYLAMINE

BI50750. 2-AMINODIPHENYLENE OXIDE see:HP45500 2-DIBENZOFURANAMINE

BI51500. 2-AMINODIPHENYLENOXYD (German) see:HP46500 3-DIBENZOFURANAMINE

BI93300. AMINOETHYLENE see:KX50750 ETHYLENIMINE

BJ45500. 2-AMINO-4-(ETHYLTHIO)BUTYRIC ACID see:ES68250 BUTYRIC ACID, 2-AMINO-4-(ETHYLTHIO)-

BJ50750. 2-AMINOFLUORENE see:LL50750 FLUOREN-2-AMINE

BJ51500. 2-AMINO-N-FLUOREN-2-YLACETAMIDE see:AB43400 ACETAMIDE, 2-AMINO-N-FLUOREN-2-YL-

BJ52500. 4-AMINO-4'-FLUORODIPHENYL see:DU96250 4-BIPHENYLAMINE, 4'-FLUORO-

BJ54250. AMINOFORM see:HN47250 HEXAMETHYLENETETRAMINE

BJ73500. 2-AMINO-3-HYDROXYACETOPHENONE see:AM59500 ACETOPHENONE, 2'-AMINO-3'-HYDROXY-

BJ80500. 4-AMINO-4'-HYDROXYBIPHENOL see:DV61250 4-BIPHENYLOL, 4'-AMINO-

BJ82250. 4-AMINO-3-HYDROXYBIPHENYL see:DV59500 3-BIPHENYLOL, 4-AMINO-

BJ94500. 2-AMINO-3-HYDROXYPHENYL METHYL KETONE see:AM59500 ACETOPHENONE, 2'-AMINO-3'-HYDROXY-

BK12000. 2-AMINO-3-METHOXYDIPHENYLENOXYD (German) see:HP49000 3-DIBENZOFURANAMINE, 2-METHOXY-

BK15750. 2-AMINO-1-METHYLBENZENE see:XU29750 o-TOLUIDINE

BK16500. 3-AMINO-1-METHYLBENZENE see:XU28000 m-TOLUIDINE

BK53200. 4-AMINO-10-METHYLFOLIC ACID see:MA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

BK79300. 4-AMINO-N(sup 10)-METHYLPTEROYLGLUTAMIC ACID see:MA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

BK88000. 1-AMINONAPTALEN (Czech) see:QM14000 1-NAPHTHYLAMINE

BK88500. 2-AMINONAPTALEN (Czech) see:QM21000 2-NAPHTHYLAMINE

BK89250. 1-AMINONAPHTHALENE see:QM14000 1-NAPHTHYLAMINE

BK91000. 2-AMINONAPHTHALENE see:QM21000 2-NAPHTHYLAMINE

BK96250. 2-AMINO-1-NAPHTHOL HYDROCHLORIDE
MW: 195.56 MOLFM: N-O-C10-H9 .Cl-H
WLN: L66J RQ CZ &GH
TXDS: scu-mus TDLo:85 mg/kg TFX:NEO BJCAAI 11,212,57

BK98000. 2-AMINO-6-NAPHTHOL HYDROCHLORIDE
MW: 195.56 MOLFM: N-O-C10-H9 .Cl-H
WLN: L66J CZ HQ &GH
TXDS: scu-mus TDLo:80 mg/kg TFX:NEO BJCAAI 11,212,57

BL03500. 2-AMINO-1-NAPHTHYLGLUCOSIDURONIC ACID see:LZ78750 1-D-GLUCOSIDURONIC ACID, (2'-AMINONAPHTHYL)-

BL15750. 4-AMINO-4'-NITROBIPHENYL see:DV03500 4-BIPHENYLAMINE, 4'-NITRO-

BL16100. 2-AMINO-4-(5-NITRO-2-FURYL)THIAZOLE see:XJ28500 THIAZOLE, 2-AMINO-4-(5-NITRO-2-FURYL)-

BL29750. 6-AMINOPENICILLANIC ACID see:XH82250 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 6-AMINO-3,3-DIMETHYL-7-OXO-

BL36750. 4-AMINO-PGA see:MA10500 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)-METHYL)AMINO)BENZOYL)-, L-

BL40250. 1-AMINOPHENANTHRENE see:SP94500 1-PHENANTHRYLAMINE

BL42000. 2-AMINOPHENANTHRENE see:SP96250 2-PHENANTHRYLAMINE

BL43750. 3-AMINOPHENANTHRENE see:SP98000 3-PHENANTHRYLAMINE

BL45500. 9-AMINOPHENANTHRENE see:SG01750 9-PHENANTHRYAMINE

BL96250. p-AMINOPHENYLSULFONAMIDE see:WO84000 SULFANILAMIDE

BL98000. 4-AMINOPHENYLSULFONAMIDE see:WO84000 SULFANILAMIDE

BM43750. AMINOPTERIDINE see:MA10500 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)AMINO)BENZOYL)-, L-

BM45500. AMINOPTERIN see:MA10500 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)AMINO)BENZOYL)-, L-

BM47250. 4-AMINOPTEROYLGLUTAMIC ACID see:MA10500 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)AMINO)BENZOYL)-, L-

BM80500. 4-AMINOSTILBENE see:WJ35000 4-STILBENAMINE

BM81500. 2-(p-AMINO STYRYL)6-(p-ACETYLAMINOBENZOYLAMINO)QUINOLINE METHOACETATE see:VC35000 QUINOLINIUM, 6-(p-ACETAMIDOBENZAMIDO)-2-(p-AMINOSTYRYL)-1-METHYL-, ACETATE

BN11300. 3-AMINOTOLUEN (Czech) see:XU28000 m-TOLUIDINE

BN14850. 2-AMINOTOLUENE see:XU29750 o-TOLUIDINE

BN22750. AMINOTRIAZOLE see:XZ38500 S-TRIAZOLE, 3-AMINO-

BN24500. 3-AMINOTRIAZOLE see:XZ38500 S-TRIAZOLE, 3-AMINO-

BN26250. 2-AMINO-1,3,4-TRIAZOLE see:XZ38500 s-TRIAZOLE, 3-AMINO-

BN28000. 3-AMINO-s-TRIAZOLE see:XZ38500 s-TRIAZOLE, 3-AMINO-

BN29750. 3-AMINO-1,2,4-TRIAZOLE see:XZ38500 s-TRIAZOLE, 3-AMINO-

BN31500. 3-AMINO-1H-1,2,4-TRIAZOLE see:XZ38500 s-TRIAZOLE, 3-AMINO-

BN40250. AMINOURACIL MUSTARD see:YQ89250 URACIL, 5-(BIS(2-CHLOROETHYL)AMINO)-

BN40600. AMINOUREA see:VT29750 SEMICARBAZIDE

BN45500. 2-AMINO-4,5-XYLENOL see:ZB66500 4,5-XYLENOL, 2-AMINO-

BN62000. AMITOL see:XZ38500 s-TRIAZOLE, 3-AMINO-

BN71750. AMITROL see:XZ38500 s-TRIAZOLE, 3-AMINO-

BN73500. AMITROL 90 see:XZ38500 s-TRIAZOLE, 3-AMINO-

BN75250. AMITROLE see:XZ38500 s-TRIAZOLE, 3-AMINO-

BN82250. AMIZOL see:XZ38500 s-TRIAZOLE, 3-AMINO-

BO03500. AMMOFORM see:HN47250 HEXAMETHYLENETETRAMINE

BO08750. AMMONIA
CAS: 007664417 MW: 17.04 MOLFM: N-H3
WLN: ZH
SYN: AMMONIAC (French) * AMMONIACA (Italian) * AMMONIAK (German) * AMMONIA GAS * AMONIAK (Polish) *
TXDS: ihl-hmn LCLo:10000 ppm/3H TJSGAB 45,458,67
ihl-hmn TCLo:20 ppm TPX:IRR AGGHAR 13,528,55

skn-hmn TCLo:1000 mg/kg TFX:CAR — AMIHAB 9,186,54
ihl-rat LCLo:2000 ppm/4H — JIHTAB 31,343,49
ihl-mus LC50:4837 ppm/1H — RMTH** -,A-172,72
ihl-cat LC50:10066 ppm/1H — JIHTAB 26,29,44
ihl-rbt LCLo:10066 ppm/1H — JIHTAB 26,29,44
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 50 ppm — FEREAC 37,22139,72

B0009000. AMMONIAC (French) see:B008750 AMMONIA

B0009700. AMMONIACA (Italian) see:B008750 AMMONIA

B0010500. AMMONIA GAS see:B008750 AMMONIA

B0010800. AMMONIAK (German) see:B008750 AMMONIA

B0012250. AMMONIOFORMALDEHYDE see:MN47250 HEXAMETHYLENETETRAMINE

BP36750. AMMONIUM, (9-(o-CARBOXYPHENYL)-6-(DIETHYLAMINO)-3H-XANTHEN-3-YLIDENE)DIETHYL-, CHLORIDE
CAS: 000081889 MW: 479.06 MOLFM: N2-O3-C28-H31 .Cl
WLN: T C666 BOJ EN2&2 IR BVQ& MN2&2 &G
SYN: RHODAMINE B * RHODAMINE B EXTRA *
TXDS: orl-rat LDLo: 500 mg/kg — NCNSA6 5,8,53
scu-rat TDLo:3600 mg/kg/52WI TFX:CAR — GANNA2 47,597,56
ipr-mus LDLo:128 mg/kg — CBCCT* 2,62,50

BP63850. AMMONIUM, (4-((4,6-DIAMINO-m-TOLYL)IMINO)-2,4-CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, CHLORIDE
CAS: 001326223 MW: 290.81 MOLFM: N4-C15-H19 .Cl
WLN: ZR CZ D FN*R DN1&1 &G
TXDS: scu-rat TDLo:1175 mg/kg/46WI TFX:NEO — GANNA2 45,447,54

BQ11400. AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE-2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT
CAS: 001694093 MW: 733.93 MOLFM: N3-O6-S2-C39-H41 .Na
SYN: ACID FAST VIOLET 5BN * ACID VIOLET * ACID VIOLET 4BNS * ACID VIOLET 6B * ACILAN VIOLET S4BN * AIZEN ACID VIOLET 5BH * BENZYL VIOLET * BENZYL VIOLET 3B * C.I. 42640 * C.I. ACID VIOLET 49 * C.I. ACID VIOLET 49 (Sodium Salt) * C.I. FOOD VIOLET 2 * D and C VIOLET NO. 1 * COOMASSIE VIOLET * FAST ACID VIOLET 5BN * FD and C VIOLET 1 * FD and C VIOLET NO. 1 * HIDACID WOOL VIOLET 5B * KITON VIOLET 4BNS * TETRACID BRILLIANT VIOLET 6B * VIOLET 6B * 11386 VIOLET * WOOL VIOLET 4BN * WOOL VIOLET 5BN *
TXDS: scu-rat TDLo:9400 mg/kg/2YI TFX:NEO — FEPRA7 16,367,57

BQ11500. AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT
CAS: 003087169 MW: 577.66 MOLFM: N2-O7-S2-C27-H26 .Na
SYN: ACIDAL WOOL GREEN BS * ACID BRILLIANT GREEN BS * ACID LEATHER GREEN S * ACILAN GREEN BS * AMACID WOOL GREEN S * BUCACID WOOL GREEN * CALOCID GREEN S * CALOCID GREEN SB * C.I. 44090 * C.I. ACID GREEN 50, MONOSODIUM SALT * C.I. FOOD GREEN 4 * EDICOL SUPRA GREEN B * ERIO GREEN S * 12078 GREEN * GREEN S * HEXACOL GREEN S * HIDACID WOOL GREEN * KITON GREEN S * LISSAMINE GREEN BN * NAPETHAZINE GREEN S * PHARMACID GREEN S * SUMITOMO WOOL GREEN S * UNITERTRACID GREEN BS * VERT ACIDE BRILLIANT BS * VONDACID GREEN S * WATER GREEN SX * WOOL GREEN B * WOOL GREEN BS * WOOL GREEN BSNA * WOOL GREEN MS * WOOL GREEN S * WOOL GREEN S (BIOLOGICAL STAIN) * WOOL GREEN SG *
TXDS: orl-rat LD50:2000 mg/kg — CPJOAC 97,30,64
ihl-rat TCLo:20000 ppm/154DI TFX:CAR — FAONAU -,102,66
scu-rat TDLo:270 gm/kg/30WI TFX:CAR — JPPMAB 16,56,64

BQ43750. AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT
CAS: 004680788 MW: 691.49 MOLFM: N2-O6-S2-C37-H36 .Na
WLN: WSO&R DIN2&R D- 2Y*R &-NA-
SYN: ACIDAL GREEN G * ACID GREEN B * ACID GREEN 2G * ACID GREEN S * ACID GREEN L * ACID LEATHER GREEN F * ACID LEATHER GREEN 3G * ACILAN GREEN B * A.F. GREEN NO. 1 * AMACID GREEN B * BRILLIANT GREEN 3EMBL * BUCACID GUINEA GREEN BA * CALCOCID GREEN G * C.I. 42085 * C.I. ACID GREEN 3 * C.I. ACID GREEN 3, MONOSODIUM SALT * C.I. FOOD GREEN 1 * FD AND C GREEN NO. 1 * FENAZO GREEN L * GUINEA GREEN * GUINEA GREEN B * GUINEA GREEN BA * HIDACID EMERALD GREEN * HISPACID GREEN GB * KITON GREEN P * KITON GREEN PC * LEATHER GREEN B * MERANTINE GREEN G * NAPHTHALENE GREEN G * NAPHTHALENE LAKE GREEN G * NAPHTHALENE LEATHER GREEN G * NERAN BRILLIANT GREEN G * PONTACYL GREEN BL * SULPHO GREEN 2B * VONDACID GREEN L *
TXDS: orl-rat TDLo:600 gm/kg/43WC TFX:CAR — GASTAB 23,1,53

BQ44250. AMMONIUM, ETHYL(4-(alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)-4-HYDROXY-3-SULFOBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE INNER SALT, DISODIUM SALT

CAS: 002353459 MW: 810.54 MOLFM: N2-O10-S3-C37-H36 .2Na
WLN: WSO&R DIN2&R D- 2Y*R DQ BSWO &-NA- 2
SYN: C.I. 42053 * C.I. FOOD GREEN 3 * FAST GREEN FCF * FD AND C GREEN NO. 3 * 1724 GREEN * SOLID GREEN FCF *
TXDS: scu-rat TDLo:5925 mg/kg/48WI TPX:CAR JNCIAM 24,769,60

BQ45500. AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT
CAS: 002650182 MW: 718.52 MOLFM: N2-O9-S3-C37-H36 .2N-H3
WLN: L6Y DYJ AUYR BSWO&R DN2&1R CSWQ&& DUK2&1R CSWQ &ZH &ZH &37/17
SYN: ACID BLUE 9 * ACID SKY BLUE A * ACILAN TURQUOISE BLUE AE * A.F. BLUE NO. 1 * AIZEN BRILLIANT BLUE FCF * ALPHAZURINE * ALPHAZURINE FG * ALPHAZURINE FGND * AMACID BLUE FG CONC * BLEU BRILLIANT FCF * 1206 BLUE * 11388 BLUE * BRILLIANT BLUE * BRILLIANT BLUE FCF * BRILLIANT BLUE LAKE * BUCACID AZURE BLUE * CALCOCID BLUE EG * CALCOCID BLUE 2 G * CANACERT BRILLIANT BLUE FCF * C.I. 42090 * C.I. ACID BLUE 9 * C.I. ACID BLUE 9, DIAMMONIUM SALT * C.I. DIRECT BROWN 78 * C.I. DIRECT BROWN 78, DIAMMONIUM SALT * C.I. FOOD BLUE 2 * DISULPHINE LAKE BLUE EG * DOLKWAL BRILLIANT BLUE * EDICOL SUPRA BLUE E6 * ERIOGLAUCINE * ERIOGLAUCINE A * ERIOGLAUCINE E * ERIOSKY BLUE * FD AND C BLUE NO. 1 * FD AND C BLUE NO. 1-ALUMINUM LAKE * FD AND C BLUE NUMBER 1 * F D+C BLUE 1 * FENAZO BLUE XR * FOOD BLUE 1 * HEXACOL BRILLIANT BLUE A * HIDACID AZURE BLUE * KITON BLUE AR * KITON PURE BLUE L * MAPLE BRILLIANT BLUE FCF * NEPTUNE BLUE BRA * NEPTUNE BLUE BRA CONCENTRATION * PATENT BLUE AE * PATENT BLUE 2Y * PEACOCK BLUE X-1756 * TRIANTINE LIGHT BROWN 3RN * USACERT BLUE NO. 1 * XYLENE BLUE VSG *
TXDS: orl-rat TDLo:3000 mg/kg TPX:CAR CNREA8 26,619,66
scu-rat TDLo:17 gm/kg/2YI TPX:CAR TXAPA9 8,29,66
par-rat TDLo:4580 mg/kg/434DI TPX:CAR FAONAU -,29,66
scu-mus LD50:4600 mg/kg ZEKBAI 64,267,61

BQ47250. AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT
CAS: 003844459 MW: 762.91 MOLFM: N2-O9-S3-C37-H36 .2Na
SYN: C.I. ACID BLUE 9, DISODIUM SALT *
TXDS: scu-rat TDLo:5.5 gm/kg/97WI TPX:NEO ZEKBAI 64,267,61

BQ49000. AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE INNER SALT, DISODIUM SALT
CAS: 005141208 MW: 762.91 MOLFM: N2-O9-S3-C37-H36 .2Na
WLN: WSO&R DIN2&R D-2Y*R DSWO &-NA-2
SYN: ACIDAL LIGHT GREEN SF * ACID BRILLIANT GREEN SF * ACID GREEN A * ACILAN GREEN SFG * A.F.GREEN NO. 2 * AMACID GREEN G * C.I. 42095 * C.I. ACID GREEN 5 * C.I. ACID GREEN 5, DISODIUM SALT * FD + C GREEN NO. 2 * FD AND C GREEN NO. 2-ALUMINUM LAKE * FENAZO GREEN 7G * LEATHER GREEN SF * LIGHT GREEN FS * LIGHT GREEN LAKE * LIGHT GREEN SF * LIGHT GREEN SFA * LIGHT GREEN SFD * LIGHT GREEN SF YELLOWISH * LIGHT SF YELLOWISH (BIOLOGICAL STAIN) * LISSAMINE GREEN SF * LISSAMINE LAKE GREEN SF * MERANTINE GREEN SF * PENCIL GREEN SF * SULFO GREEN J * SUMITOMO LIGHT GREEN SF YELLOWISH *
TXDS: orl-rat TDLo:1290 gm/kg/86WC TPX:CAR GASTAB 23,1,53
scu-rat TDLo:6825 mg/kg/46WI TPX:CAR JNCIAM 24,769,60

BT66900. AMONIAK (Polish) see:BOO8750 AMMONIA

BT68250. AMOSITE see also ASBESTOS
CAS: 012172735 MOLFM: O24-Si8-H2 .7(Fe++/Mg)
SYN: AMOSITE ASBESTOS *
TXDS: ihl-rat TCLo:11 mg/m3/7H/2YI TPX:CAR EJCAAI 29,252,74
ipl-rat TDLo:100 mg/kg TPX:NEO IARC** 2,27,73
scu-mus TDLo:2400 mg/kg/13WI TPX:NEO FCTXAV 6(5),566,68
U.S. OCCUPATIONAL STANDARD USOS-air FEREAC 37,22142,72
CRIT DOC: OCCUPATIONAL EXPOSURE TO ASBESTOS NTIS** PB 209-510

BU14000. AMPHIBOLE see:CI64750 ASBESTOS

BU74750. 5-n-AMYL-1:2-BENZANTHRACENE see:CX28000 BENZ(a)ANTHRACENE, 8-PENTYL-

BV15750. AMYLOPENE see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

BV45500. ANABASINE, 1-NITROSO-
CAS: 001133648 MW: 191.26 MOLFM: N3-O-C10-H13
WLN: T6NTJ ANO B- CT6NJ
SYN: 1-NITROSOANABASINE *
TXDS: orl-rat TDLo:8550 mg/kg/57W TPX:CAR BJCAAI 18,265,64

BV74800. ANDRAZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

BV76000. ANDROLIN see:XA30300 TESTOSTERONE

BV79300. ANDRONAQ see:XA30300 TESTOSTERONE

BV81000. 4-ANDROSTENE-3,17-DIONE see:BV81500 ANDROST-4-ENE-3,17-DIONE

BV81500. ANDROST-4-ENE-3,17-DIONE
CAS: 000063058 MW: 286.45 MOLFM: O2-C19-H26
WLN: L E5 B666 FV OV MUTJ A E
SYN: delta-(sup 4)-ANDROSTEN-3,17-DIONE * 4-ANDROSTENE-3,17-DIONE *
TXDS: unk-rat TDLo:435 mg/kg/(16-19D preg) TPX:TEP AJANA2 65,415,39
scu-mus TDLo:600 mg/kg/9WI TPX:NEO JNCIAM 19,977,57

BV82000. delta-(sup 4)-ANDROSTEN-3,17-DIONE see:BV81500 ANDROST-4-ENE-3,17-DIONE

BV83000. ANDROST-4-EN-17beta-OL-3-ONE see:XA30300 TESTOSTERONE

BV83500. delta(sup 4)-ANDROSTEN-17(beta)-OL-3-ONE see:XA30300 TESTOSTERONE

BV85000. ANDROST-4-EN-3-ONE, 17-beta-HYDROXY- see:XA30300 TESTOSTERONE

BV86300. ANDROSOL see:XA30300 TESTOSTERONE

BW19250. beta-ANGELICA LACTONE see:SB33250 4-PENTENOIC ACID, 4-HYDROXY-, gamma-LACTONE

BW26800. ANG.-STERANTHREN (German) see:HN03500 4H-DIBENZ(fg,j)ACEANTHRYLENE, 5,5a,6,7-TETRAHYDRO-

BW27100. ANG-STERANTHRENE see:HN03500 4H-DIBENZ(fg,j)ACEANTHRYLENE, 5,5a,6,7-TETRAHYDRO-

BW28000. ANH see:YT31500 UREA, ETHYL NITROSO-

BW35160. ANHYDRIDE CHROMIQUE (French) see:GB66500 CHROMIUM(6+) OXIDE

BW45500. ANHYDROL see:KQ63000 ETHYL ALCOHOL

BW49800. ANHYDRO-o-SULFAMINEBENZOIC ACID see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

BW63900. ANIDRIDE CROMICA (Italian) see:GB66500 CHROMIUM(6+) OXIDE

BW84000. ANILINE, N,N-BIS(2-CHLOROETHYL)-2,3-DIMETHOXY-
CAS: 004213416 MW: 278.20 MOLFM: N-O2-Cl2-C12-H17
WLN: G2N2GR BO1 CO1
SYN: N,N-BIS(2-CHLOROETHYL)-2,3-DIMETHOXYANILINE * 2,3-DIMETHOXYANILINE MUSTARD * NSC-18439 *
TXDS: ipr-mus TDLo:27 mg/kg/4W TPX:CAR JNCIAM 36,915,66

BW87000. ANILINE, N,N-BIS(2-(2,3-EPOXYPROPOXY)ETHOXY)-
MW: 325.40 MOLFM: N-O6-C16-H23
SYN: DIGLYCIDYL ETHER of N,N-BIS(2-HYDROXYETHOXYETHYL)ANILINE *
TXDS: scu-mus TDLo:21 gm/kg/YI TPX:NEO PCTXAV 4,365,66

BW87500. ANILINE, N,N-BIS(2-(2,3-EPOXYPROPOXY)ETHYL)-
MW: 293.40 MOLFM: N-O4-C16-H23
WLN: T3OTJ B1O2 2NR
SYN: N,N-BIS(2-(2,3-EPOXYPROPOXY)ETHYL)ANILINE * DIGLYCIDYL ETHER o
DIGLYCIDYL ETHER of PHENYLDIETHANOLAMINE *
TXDS: scu-rat TDLo:2820 mg/kg/44WI TPX:CAR BECCAN 42,37,64

BW96250. ANILINE, p-((p-BUTYLPHENYL)AZO)-N,N-DIMETHYL-
CAS: 024596392 MW: 281.44 MOLFM: N3-C18-H23
WLN: 4R DNUNR DN1&1
SYN: 4'-n-BUTYL-4-DIMETHYLAMINOAZOBENZENE * p-((p-BUTYLPHENYL)AZO)-N,N-DIMETHYLANILINE *
TXDS: orl-rat TDLo:13 gm/kg/YC TPX:NEO JNCIAM 27,663,61

BW98000. ANILINE, p-((p-(t-BUTYL)PHENYL)AZO)-N,N-DIMETHYL-
CAS: 024596416 MW: 281.44 MOLFM: N3-C18-H23
WLN: 1X&&R DNUNR DN1&1
SYN: 4'-t-BUTYL-4-DIMETHYLAMINOAZOBENZENE * p-((p-t-BUTYLPHENYL)AZO)-N, p-((p-t-BUTYLPHENYL)AZO)-N,N-DIMETHYLANILINE *
TXDS: orl-rat TDLo:13 gm/kg/YC TPX:NEO JNCIAM 27,663,61

BW99600. ANILINE CARMINE POWDER see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

BX19250. ANILINE, p-((3-CHLORO-m-TOLYL)AZO)-N,N-DIMETHYL-
MW: 273.79 MOLFM: N3-Cl-C14-H16
SYN: 3'-CHLORO-4'-METHYL-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:13 gm/kg/44WI TPX:CAR CNREA8 30,1520,70

BX21000. ANILINE, p-((4-CHLORO-m-TOLYL)AZO-N,N-DIMETHYL-
CAS: 0170 10592 MW: 274.80 MOLFM: N3-C1-C15-H17
SYN: N,N-DIMETHYL-p-((4-CHLORO-m-TOLYL)AZO)ANILINE *
TXDS: orl-rat TDLo:1000 mg/kg/50DI TFX:CAR CNREA8 30,1520,70

BX22750. ANILINE, p-(p-CUMENYLAZO)-N,N-DIMETHYL-
CAS: 020041183 MW: 220.33 MOLFM: N2-C15-H16
WLN: 1Y&R DNUNR DN1&1
SYN: p-(p-CUMENYLAZO)-N,N-DIMETHYLANILINE * 4'-ISOPROPYL-4-DIMETHYLAMINOAZOBENZENE
*
TXDS: orl-rat TDLo:3300 mg/kg/26WC TFX:CAR JNCIAM 27,663,61

BX31500. ANILINE, p-((3,4-DICHLOROPHENYL)AZO-N,N-DIMETHYL-
MW: 294.20 MOLFM: N3-C12-C14-H13
SYN: 3',4'-DICHLORO-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:14 gm/kg/44WI TFX:CAR CNREA8 30,1520,70

BX36000. ANILINE, N,N-DIETHYL-p-(4-FLUOROPHENYLAZO)-
MW: 199.30
SYN: 4'-FLUORO-4-N,N-DIETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:5100 mg/kg/35WC TFX:NEO ARZNAD 12,270,62

BX36750. ANILINE, p-((3,4-DIETHYLPHENYL)AZO)-N,N-DIMETHYL-
CAS: 0170 10649 MW: 281.44 MOLFM: N3-C18-H23
WLN: 2R B2 DNUNR DN1&1
SYN: 3',4'-DIETHYL-4-DIMETHYLAMINOAZOBENZENE * p-((3,4-DIETHYLPHENYL)AZO)-
N,N-DIMETHYLANILINE * N,N-DIMETHYL-p-((3,4-DIETHYLPHENYL)AZO)ANILINE
*
TXDS: orl-rat TDLo:2500 mg/kg/17WI TFX:CAR CNREA8 30,1520,70

BX50400. ANILINE, N,N-DIMETHYL-p-((m-CHLOROPHENYL)AZO)-
MW: 199.71 MOLFM: N3-C1-C9-H14
WLN: GR CNUNP DN1&1
SYN: 3'-CHLORO-4-DIMETHYLAMINOAZOBENZENE * N,N-DIMETHYL-p-((m-CHLOROPHENYL)
AZO)ANILINE *
TXDS: orl-rat TDLo:4900 mg/kg/17WC TFX:NEO JEMEAV 87,139,48

BX50500. ANILINE, N,N-DIMETHYL-p-((o-CHLOROPHENYL)AZO)-
MW: 199.71 MOLFM: N3-C1-C9-H14
WLN: GR BNUNP DN1&1
SYN: 2'-CHLORO-4-DIMETHYLAMINOAZOBENZENE * N,N-DIMETHYL-p-((o-CHLOROPHENYL)
AZO)ANILINE *
TXDS: orl-rat TDLo:4900 mg/kg/17WC TFX:NEO JEMEAV 87,139,48

BX50600. ANILINE, N,N-DIMETHYL-p-((p-CHLOROPHENYL)AZO)-
MW: 199.71 MOLFM: N3-C1-C9-H14
WLN: GR DNUNR DN1&1
SYN: 4'-CHLORO-4-DIMETHYLAMINOAZOBENZENE * N,N-DIMETHYL-p-((p-CHLOROPHENYL)
AZO)ANILINE *
TXDS: orl-rat TDLo:6100 mg/kg/21WC TFX:NEO J JMEAV 87,139,48

BX50750. ANILINE, N,N-DIMETHYL-2,5-DIFLUORO-p-(2,5-DIFLUOROPHENYLAZO)-
MW: 297.27 MOLFM: N3-F4-C14-H11
SYN: 2,5,2',5'-TETRAFLUORO-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:9000 mg/kg/30WC TFX:CAR CNREA8 17,387,57

BX52500. ANILINE, N,N-DIMETHYL-p-(3,4-DIFLUOROPHENYLAZO)-
MW: 261.30 MOLFM: N3-F2-C14-H13
WLN: FR BF DNUNR DN1&1
SYN: 3',4'-DIFLUORO-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:3400 mg/kg/13WC TFX:CAR CNREA8 17,387,57

BX54250. ANILINE, N,N-DIMETHYL-p-(2,5-DIFLUOROPHENYLAZO)-
MW: 261.30 MOLFM: N3-F2-C14-H13
WLN: FR DF BNUNR DN1&1
SYN: 2',5'-DIFLUORO-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:3400 mg/kg/12WC TFX:CAR CNREA8 13,93,53

BX55750. ANILINE, N,N-DIMETHYL-p-((3-ETHOXYPHENYL)AZO)-
MW: 269.37 MOLFM: N3-O-C16-H19
WLN: 2OR CNUNR DN1&1
TXDS: orl-rat TDLo:9202 mg/kg/30WC TFX:NEO JEMEAV 87,139,48

BX56000. ANILINE, N,N-DIMETHYL-p-(2-FLUOROPHENYLAZO)-
MW: 243.30 MOLFM: N3-F-C14-H14
WLN: FR BNUNR DN1&1
SYN: 2'-FLUORO-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:3200 mg/kg/12WC TFX:CAR CNREA8 13,93,53

BX57750. ANILINE, N,N-DIMETHYL-2-FLUORO-4-PHENYLAZO-
MW: 243.30 MOLFM: N3-F-C14-H14
WLN: 1N1&R CF DNUNR

SYN: 2-FLUORO-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:3200 mg/kg/12WC TFX:CAR CNREA8 13,93,53

BX59500. ANILINE, N,N-DIMETHYL-p-(3-FLUOROPHENYLAZO)-
MW: 243.30 MOLFM: N3-F-C14-H14
SYN: 3'-FLUORO-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:3200 mg/kg/12WC TFX:CAR CNREA8 13,93,53

BX61250. ANILINE, N,N-DIMETHYL-p-(2-METHOXYPHENYLAZO)-
CAS: 003009550 MW: 255.34 MOLFM: N3-O-C15-H17
SYN: 2'-METHOXY-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:6700 mg/kg/26WC TFX:CAR CNREA8 17,387,57

BX63000. ANILINE, N,N-DIMETHYL-p-(3-METHOXYPHENYLAZO)-
MW: 255.34 MOLFM: N3-O-C15-H17
WLN: 1OR CNUNR DN1&1
SYN: 3'-METHOXY-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:3600 mg/kg/17WC TFX:CAR CNREA8 17,387,57

BX64750. ANILINE, N,N-DIMETHYL-p-(4-METHOXYPHENYLAZO)-
MW: 255.34 MOLFM: N3-O-C15-H17
WLN: 1OR DNUNR DN1&1
SYN: 4'-METHOXY-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:6700 mg/kg/26WC TFX:CAR CNREA8 17,387,57

BX66500. ANILINE, N,N-DIMETHYL-4-(4'-(2'-METHYLPYRIDYL-1'-OXIDE)AZO)-
MW: 256.34 MOLFM: N4-O-C14-H16
WLN: T6NJ AO B DNUNR DN1&1
SYN: N,N-DIMETHYL-4-(4'-(2'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE *
TXDS: orl-rat TDLo:1800 mg/kg/17WC TFX:CAR JNCIAM 41,855,68

BX68250. ANILINE, N,N-DIMETHYL-4-(4'-(3'-METHYLPYRIDYL-1'-OXIDE)AZO)-
MW: 256.34 MOLFM: N4-O-C14-H16
WLN: T6NJ AO C DNUNR DN1&1
SYN: N,N-DIMETHYL-4-(4'-(3'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE *
TXDS: orl-rat TDLo:3700 mg/kg/35WC TFX:NEO JNCIAM 41,855,68

BX70000. ANILINE, N,N-DIMETHYL-p-(1-NAPHTHYLAZO)-
CAS: 000607590 MW: 275.38 MOLFM: N3-C18-H17
WLN: L66J ENUNP DN1&1
SYN: p-DIMETHYLAMINOBENZENEAZO-1-NAPHTHALENE * p-DIMETHYLAMINOBENZENE-1-AZO-1-NAPHTHALENE * N,N-DIMETHYL-p-(1-NAPHTHYLAZO)-ANILINE *
TXDS: orl-rat TDLo:25 gm/kg/79WC TFX:CAR JNCIAM 13,57,52
scu-rat TDLo:90 mg/kg/2WI TFX:CAR JNCIAM 18,843,57

BX70250. ANILINE, N,N-DIMETHYL-p-(2-(1-NAPHTHYL)VINYL)-
MW: 273.40 MOLFM: N-C20-H19
WLN: L66J B1U1R DN1&1
SYN: 1-(4'-DIMETHYLAMINOPHENYL)-2-(1'-NAPHTHYL)-ETHYLENE * N,N-DIMETHYL-p-(2-(1-NAPHTHYL)VINYL)ANILINE *
TXDS: scu-rat TDLo:120 mg/kg/12WI TFX:NEO PTRMAD 241,147,48
scu-mus TDLo:320 mg/kg/16WI TFX:NEO PTRMAD 241,147,48

BX70500. ANILINE, N,N-DIMETHYL-p-((m-NITROPHENYL)AZO)-
MW: 270.32 MOLFM: N4-O2-C14-H14
WLN: WNR CNUNR DN1&1
SYN: N,N-DIMETHYL-p-((m-NITROPHENYL)AZO)ANILINE * 3'-NITRO-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:5184 mg/kg/17WC TFX:NEO JEMEAV 87,139,48

BX71000. ANILINE, N,N-DIMETHYL-p-((o-NITROPHENYL)AZO)-
MW: 270.32 MOLFM: N4-O2-C14-H14
WLN: WNE BNUNR DN1&1
SYN: N,N-DIMETHYL-p-((o-NITROPHENYL)AZO)ANILINE * 2'-NITRO-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:5184 mg/kg/17WC TFX:NEO JEMEAV 87,139,48

BX71750. ANILINE, N,N-DIMETHYL-p-NITROSO-
CAS: 000138896 MW: 146.20 MOLFM: N2-O-C8-H10
WLN: ONR DN1&1
SYN: N,N-DIMETHYL-p-NITROSOANILINE * p-NITROSO-N,N-DIMETHYLANILINE * PARANITROSODIMETHYLANILIDE *
TXDS: orl-rat LD50:65 mg/kg NCIMR* NIH-71-E-2144
orl-rat TDLo:7300 mg/kg/1Y TFX:NEO PUOMA5 46,68,68
orl-mam LDLo:650 mg/kg JIDRAN 13,87,31

BX73500. ANILINE,N,N-DIMETHYL-p-PHENYLAZO
CAS: 000060117 MW: 225.17 MOLFM: N3-C14-H15
WLN: 1N1&R DNUNR
SYN: AZOBENZENE, p-DIMETHYLAMINO- * BENZENEAZODIMETHYLANILINE * BRILLIANT FAST OIL YELLOW * BRILLIANT FAST SPIRIT YELLOW * BRILLIANT OIL YELLOW

* BUTTERGELB (German) * BUTTER YELLOW * CERASINE YELLOW GG * C.I. 11020 * C.I. SOLVENT YELLOW 2 * DAB * N,N-DIMETHYL-4-AMINOAZOBENZENE * p-DIMETHYLAMINOAZOBENZEN (Czech) * p-DIMETHYLAMINOAZOBENZENE * 4-DIMETHYLAMINOAZOBENZENE * 4-(N,N-DIMETHYLAMINO)AZOBENZENE * p-DIMETHYLAMINOAZOBENZOL (German) * 4-DIMETHYLAMINOAZOBENZOL * 4-DIMETHYLAMINOPHENYLAZOBENZENE * N,N-DIMETHYL-p-PHENYLAZOANILINE * DIMETHYL YELLOW * DMAB * ENIAL YELLOW 2G * FAST OIL YELLOW B * FAT YELLOW * FAT YELLOW A * FAT YELLOW AD OO * FAT YELLOW ES * FAT YELLOW ES EXTRA * FAT YELLOW R * GRASAL BRILLIANT YELLOW * METHYL YELLOW * OIL YELLOW 20 * OIL YELLOW 2625 * OIL YELLOW BB * OIL YELLOW FN * OIL YELLOW D * OIL YELLOW G * OIL YELLOW 2G * OIL YELLOW GG * OIL YELLOW GR * OIL YELLOW II * OIL YELLOW PEL * OLEAL YELLOW 2G * ORGANOL YELLOW ADM * ORIENT OIL YELLOW GG * PETROL YELLOW WT® * RESINOL YELLOW GR * SILOTRAS YELLOW T2G * SOMALIA YELLOW A * STEAR YELLOW JB * SUDAN YELLOW GG * SUDAN YELLOW GGA * TOYO OIL YELLOW G * WAXOLINE YELLOW ADS * YELLOW G SOLUBLE in GREASE * ZLUT MASELNA (Czech) *

TXDS: orl-rat LD50:800 mg/kg GANNA2 54,455,63
orl-rat TDLo:800 mg/kg/40D TFX:CAR ZEKBAI 61,327,56
skn-rat TDLo:155 mg/kg/4WI TFX:CAR CNREA8 25,1784,65
ipr-rat LD50:500 mg/kg GANNA2 54,455,63
orl-mus LD50:300 mg/kg GANNA2 54,455,63
orl-mus TDLo:11 gm/kg/12WC TFX:NEO CNREA8 34,2274,74
ipr-mus LD50:230 mg/kg CNREA8 34,2274,74
orl-ham TDLo:9600 mg/kg/42WI TFX:NEO ARPAAQ 71,566,61
U.S. OCCUPATIONAL STANDARD USOS-carcinogen FEREAC 39,3756,74

BX75250. ANILINE, N,N-DIMETHYL-p-PHENYLAZO-, N-OXIDE
MW: 241.32 MOLFM: N3-O-C14-H15
WLN: OKR DNUNR
SYN: 4-DIMETHYLAMINOAZOBENZENE AMINE N-OXIDE *
TXDS: orl-rat LD50:2200 mg/kg GANNA2 54,455,63
orl-rat TDLo:4200 mg/kg/22WC TFX:CAR GANNA2 54,455,63
ipr-rat LD50:155 mg/kg GANNA2 54,455,63
orl-mus LD50:760 mg/kg GANNA2 54,455,63
orl-mus TDLo:11 gm/kg/26WC TFX:NEO GANNA2 54,455,63
ipr-mus LD50:175 mg/kg GANNA2 54,455,63

BX77000. ANILINE, N,N-DIMETHYL-p-((p-PROPYLPHENYL)AZO)-
CAS: 024690468 MW: 267.41 MOLFM: N3-C17-H21
WLN: 3R DNUNR DN1&1
SYN: N,N-DIMETHYL-p-((p-PROPYLPHENYL)AZO)ANILINE * 4'-n-PROPYL-4'-n-PROPYL-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:4300 mg/kg/17WC TFX:CAR JNCIAM 27,663,61

BX82250. ANILINE, N,N-DIMETHYL-p-(m-TOLYLAZO)- see:CY03500 BENZENAMINE, N,N-DIMETHYL-4-((3-METHYLPHENYL)AZO)-

BX85750. ANILINE, N,N-DIMETHYL-p-(2,4,6-TRIFLUOROPHENYLAZO)-
MW: 279.28 MOLFM: N3-F3-C14-H12
SYN: 2',4',6'-TRIFLUORO-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:2700 mg/kg/13WC TFX:CAR CNREA8 13,93,53

BX87500. ANILINE, N,N-DIMETHYL-p-(2,3-XYLYLAZO)-
CAS: 018997621 MW: 253.38 MOLFM: N3-C16-H19
WLN: IN1&R DNUNR B C
SYN: 2',3'-DIMETHYL-4-DIMETHYLAMINOAZOBENZENE * N,N-DIMETHYL-p-(2,3-XYLYLAZO) ANILINE *
TXDS: orl-rat TDLo:1080 mg/kg/30DC TFX:CAR JMCMAR 11,1234,68

BX89250. ANILINE, N,N-DIMETHYL-p-(3,4-XYLYLAZO)-
CAS: 003025738 MW: 253.00 MOLFM: N3-C16-H19
WLN: 1N1&R DNUNR C D
1N1&R B DNUNR D
SYN: 3',4'-DIMETHYL-4-DIMETHYLAMINOAZOBENZENE * N,N-DIMETHYL-p-(3,4-XYLYLAZO) ANILINE *
TXDS: orl-rat TDLo:4500 mg/kg/17WI TFX:CAR CNREA8 30,1520,70

BY01750. ANILINE, 4'-ETHYL-N,N-DIETHYL-p-(PHENYLAZO)-
MW: 281.44 MOLFM: N3-C18-H23
WLN: 2N2&R DNUNR D2
SYN: 4'-ETHYL-N,N-DIETHYL-4-AMINOAZOBENZENE * 4'-ETHYL-N,N-DIETHYL-p-(PHENYLAZO) ANILINE *
TXDS: orl-rat TDLo:2400 mg/kg/52WC TFX:CAR ARZNAD 12,270,62

BY04300. ANILINE, N-ETHYL-N-METHYL-p-(PHENYLAZO)-
MW: 239.35 MOLFM: N3-C15-H17
WLN: 2N1&R DNUNR
SYN: p-ETHYLMETHYLAMINOAZOBENZENE * 4-ETHYLMETHYLAMINOAZOBENZENE * 4-(METHYLETHYL) AMINOAZOBENZINE * N-ETHYL-N-METHYL-p-(PHENYLAZO)ANILINE * N-METHYL-N-ETHYL-p-AMINOAZOBENZENE *

TXDS: orl-rat TDLo:4684 mg/kg/17WC TFX:CAR JEMEAV 87,139,48

BY05250. ANILINE, p-((m-ETHYLPHENYL)AZO)-N,N-DIMETHYL-
MW: 253.38 MOLFM: N3-C16-H19
SYN: 3'-ETHYL-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:2300 mg/kg/17WI TFX:CAR CNREA8 30,1520,70

BY07000. ANILINE, p-((p-ETHYLPHENYL)AZO)-N,N-DIMETHYL-
CAS: 005302410 MW: 253.38 MOLFM: N3-C16-H19
WLN: 2R DNUNR DN1&1
SYN: N,N-DIMETHYL-4'-ETHYL-4-AMINOAZOBENZENE * N,N-DIMETHYL-p-((4-ETHYLPHENYL)AZO)ANILINE * 4'-ETHYL-4-DIMETHYLAMINOAZOBENZENE * p-((p-ETHYLPHENYL)AZO)-N,N-DIMETHYLANILINE *
TXDS: orl-rat TDLo:2100 mg/kg/17WC TFX:CAR JNCIAM 27,663,61

BY10500. ANILINE, p-((3-ETHYL-p-TOLYL)AZO)-N,N-DIMETHYL-
CAS: 017010638 MW: 267.41 MOLFM: N3-C17-H21
SYN: N,N-DIMETHYL-p-((3-ETHYL-p-TOLYL)AZO)ANILINE *
TXDS: orl-rat TDLo:2000 mg/kg/50DI TFX:CAR CNREA8 30,1520,70

BY12250. ANILINE, p-((4-ETHYL-m-TOLYL)AZO)-N,N-DIMETHYL-
CAS: 017010627 MW: 262.36 MOLFM: N3-C17-H16
SYN: N,N-DIMETHYL-p-((4-ETHYL-m-TOLYL)AZO)ANILINE *
TXDS: orl-rat TDLo:500 mg/kg/50DI TFX:CAR CNREA8 30,1520,70

BY17500. ANILINE, p-((p-FLUOROPHENYL)AZO)-N,N-DIMETHYL- see:CY07000 BENZENAMINE, 4-((4-FLUOROPHENYL)AZO)-N,N-DIMETHYL-

BY35000. ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-
CAS: 000492808 MW: 267.41 MOLFM: N3-C17-H21
WLN: 1N1&R D- 2YUM
SYN: APYONINE AURAMINE BASE * AURAMINE * AURAMINE BASE * AURAMINE N BASE * AURAMINE O BASE * AURAMINE OO * AURAMINE SS * AUREMINE * 4:4'-BIS(DIMETHYLAMINO)BENZOPHENONE-IMINE HYDROCHLORIDE * C.I. 41000B * C.I. BASIC YELLOW 2, FREE BASE * C.I. SOLVENT YELLOW 34 * GLAURAMINE * 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYLANILINE) * TETRAMETHYLDIAMINODIPHENYLACETIMINE * WAXOLINE YELLOW O * YELLOW PYOCTANINE *
TXDS: orl-mus TDLO:29 gm/kg/52WC TFX:CAR BJCAAI 10,653,56

BY36750. ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE
CAS: 002465272 MOLFM: N3-C17-H21 .Cl-H
WLN: 1N1&R D- 2YUM &GH
SYN: ADC AURAMINE O * AIZEN AURAMINE * AIZEN AURAMINE CONC. SPA * AIZEN AURAMINE OH * AURAMINE HYDROCHLORIDE * AURAMINE A1 * AURAMINE N * AURAMINE O * AURAMINE CONC. SPECIALLY SOLUBLE IN SPIRIT * AURAMINE EXTRA * AURAMINE EXTRA CONC. A * AURAMINE FA * AURAMINE HYDROCHLORIDE * AURAMINE LAKE YELLOW O * AURAMINE O (BIOLOGICAL STAIN) * AURAMINE O EXTRA CONC. A EXPORT * AURAMINE ON * AURAMINE OO * AURAMINE OOO * AURAMINE OS * AURAMINE PURE * AURAMINE SP * AURAMINE YELLOW * 1,1-BIS(p-DIMETHYLAMINOPHENYL)METHYLENIMINE HYDROCHLORIDE * 4,4'-BIS(DIMETHYLAMINO)-BENZHYDRYLIDENIMINE HYDROCHLORIDE * CALCOZINE YELLOW OX * C.I. 41000 * C.I. BASIC YELLOW 2 * C.I. BASIC YELLOW 2 C.I. BASIC YELLOW 2, MONOHYDROCHLORIDE * 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYLANILINE), MONOHYDROCHLORIDE * MITSUI AURAMINE O *
TXDS: orl-rat LDLo:1500 mg/kg CNREA8 26,619,66
orl-rat TDLo:40 gm/kg/87WC TFX:CAR BJCAAI 16,87,62
scu-rat TDLo:2388 mg/kg/21W TFX:CAR BJCAAI 16,87,62
orl-mus TDLo:72 gm/kg/52WC TFX:CAR CNREA8 26,619,66
orl-cat LD50:150 mg/kg CWLTH* 47-6,59
orl-dog LD50:150 mg/kg CWLTH* 47-6,59

BY47250. ANILINE, 2-METHYL- see:XU29750 o-TOLUIDINE

BY48000. ANILINE, 3-METHYL- see:XU28000 m-TOLUIDINE

BY49000. ANILINE, N-METHYL-N,p-DINITROSO-
CAS: 000099809 MW: 165.17 MOLFM: N3-O2-C7-H7
WLN: ONN1&R DNO
SYN: ELASTOPAR * N,4-DINITROSO-N-METHYLANILINE * N-METHYL-N,p-DINITROSOANILINE * N-METHYL-N,4-DINITROSOANILINE * METHYL-(4-NITROSOPHENYL)NITROSAMINE * N-NITROSO-N-METHYL-4-NITROSO-ANILINE * NITROZAN K *
TXDS: orl-rat TDLo:13 gm/kg/YI TFX:CAR JNCIAM 41,985,68
ipr-rat TDLo:520 mg/kg/26WI TFX:CAR EJCAAH 4,233,68

BY50750. ANILINE, 4,4'-METHYLENEBIS[2-CHLORO- see:CY10500 BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-

BY53000. ANILINE, 4,4'-METHYLENEBIS(2-METHYL-
MW: 232.41 MOLFM: N2-C15-H24
TXDS: orl-rat TDLo:9150 mg/kg26W TFX:CAR TXAPA9 31,159,75

BY54250. ANILINE, 4,4'-METHYLENEDI-
CAS: 000101779 MW: 198.29 MOLFM: N2-C13-H14
WLN: ZR D1R DZ
SYN: BIS-p-AMINOFENYLMETHAN (Czech) * BIS(p-AMINOPHENYL)METHANE * BIS(4-AMINOPHENYL)METHANE * p,p'-DIAMINODIFENYLMETHAN (Czech) * p,p p,p'-DIAMINODIPHENYLMETHANE * 4,4'-DIAMINODIPHENYLMETHAN (German) * 4, 4'-DIAMINODIPHENYLMETHANE * DIANILINOMETHANE * MDA * 4,4 4,4'-METHYLENEBISANILINE * p,p'-METHYLENEDIANILINE * 4,4'-METHYLENEDIANILINE * TONOX *
TXDS: orl-rat LD50:347 mg/kg 28ZPAK -,71,72
orl-rat TDLo:80 mg/kg TFX:CAR NATUAS 219,1162,68
scu-rat LD50:200 mg/kg NATWAY 57,247,70
scu-rat TDLo:1410 mg/kg TFX:NEO NATWAY 57,247,70

BY56800. ANILINE, N-METHYL-p-(4-ETHYLPHENYLAZO)-
MW: 239.35 MOLFM: N3-C15-H17
WLN: 2R DNUNR DM1
SYN: N-METHYL-4'-ETHYL-p-AMINOAZOBENZENE *
TXDS: orl-rat TDLo:4000 mg/kg/15WC TFX:CAR JNCIAM 15,67,54

BY57750. ANILINE,N-METHYL-N-NITROSO
CAS: 000614006 MW: 136.17 MOLFM: N2-O-C7-H8
WLN: ONN1&R
SYN: N-METHYL-N-NITROSOANILINE * METHYLPHENYLNITROSAMINE * NITROSOMETHYLANILINE * N-NITROSO-N-METHYLANILINE *
TXDS: orl-rat LD50:225 mg/kg TXAPA9 17,426,70
orl-rat TDLo:4950 mg/kg/36W TFX:CAR BJCAAI 18,265,64
ipr-rat LD50: 200 mg/kg BJIMAG 19,276,62
orl-mus TDLo:2744 mg/kg/28WC TFX:NEO JNCIAM 46,1029,71
orl-ham LD50:150 mg/kg TXAPA9 17,426,70

BY59500. ANILINE, N-METHYL-p-(PHENYLAZO)-
CAS: 000621909 MW: 211.28 MOLFM: N3-C13-H13
WLN: 1NR DNUNR
SYN: N-METHYL-4-AMINOAZOBENZENE * N-METHYL-p-AMINOAZOBENZENE * N-METHYL-p-(PHENYLAZO)ANILINE * 4-MONOMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:2600 mg/kg/108DC TFX:CAR CNREA8 5,235,45
scu-rat TDLo:480 mg/kg/12WI TFX:CAR CNREA8 27,1600,67

BY60000. ANILINE, p-(3-METHYLPHENYLAZO)-
MW: 211.28 MOLFM: N3-C13-H13
SYN: 3'-METHYL-4-AMINOAZOBENZENE *
TXDS: orl-rat TDLo:6200 mg/kg/30WC TFX:NEO ARZNAD 12,270,62

BY63500. ANILINE, N-METHYL-p-(m-TOLYLAZO)-
MW: 225.32 MOLFM: N3-C14-H15
WLN: 1NR DNUNR C
SYN: N-METHYL-3'-METHYL-p-AMINOAZOBENZENE * 3'-METHYL-4-MONOMETHYLAMINOAZOBENZENE * N-METHYL-p-(m-TOLYLAZO)ANILINE *
TXDS: orl-rat TDLo:5100 mg/kg/20W TFX:CAR J NCIAM 15,67,54

BY64000. ANILINE, N-METHYL-p-(o-TOLYLAZO)-
MW: 225.32 MOLFM: N3-C14-H15
WLN: 1NR DNUNR B
SYN: N-METHYL-2'-METHYL-p-AMINOAZOBENZENE * N-METHYL-p-(o-TOLYLAZO)ANILINE *
TXDS: orl-rat TDLo:5100 mg/kg/24WC TFX:CAR J NCIAM 15,67,54

BY64500. ANILINE, N-METHYL-p-(p-TOLYLAZO)-
MW: 225.32 MOLFM: N3-C14-H15
WLN: 1NR DN
SYN: N-METHYL-4'-METHYL-p-AMINOAZOBENZENE * N-METHYL-p-(p-TOLYLAZO)ANILINE *
TXDS: orl-rat TDLo:3400 mg/kg TFX:NEO CNREA8 8,141,48

BY80500. ANILINE, N-(PHENYLAZO)- see:XY26250 TRIAZENE, 1,3-DIPHENYL-

BY82250. ANILINE, p-(PHENYLAZO)-
CAS: 000060093 MW: 209.16 MOLFM: N3-C12-H11
WLN: ZR DNUNR
SYN: AMINOAZOBENZENE * p-AMINOAZOBENZENE * 4-AMINOAZOBENZENE * p-AMINOAZOBENZOL * 4-AMINOAZOBENZOL * p-AMINODIPHENYLIMIDE * ANILINE YELLOW * AZOBENZENE, 4-AMINO- * 4-BENZENEAZOANILINE * BRASILAZINA OIL YELLOW G * CELLITAZOL R * CERES YELLOW R * C.I. 11000 * C.I. SOLVENT BLUE 7 * C.I. SOLVENT YELLOW 1 * FAST SPIRIT YELLOW * FAT YELLOW AAB * INDULINE R * OIL YELLOW AAB * OIL YELLOW AB * OIL YELLOW AN * ORGANOL YELLOW 2A * p-(PHENYLAZO)ANILINE * p-PHENYLAZOPHENYLAMINE * SOMALIA YELLOW 2G * SUDAN YELLOW R *
TXDS: skn-rat TDLo:1600 mg/kg/2.3YI TFX:CAR CNREA8 15,1784,65
ipr-mus LDLo:200 mg/kg NTIS** AD277-689
irn-frg TDLo:11 mg/kg TFX:CAR CNREA8 24,1969,64

BY85750. p-ANILINESULFONAMIDE see:WO84000 SULFANILAMIDE

BY87500. ANILINE-p-SULFONIC AMIDE see:WO84000 SULFANILAMIDE

BY96250. ANILINE, 4,4'-THIODI-
CAS: 000139651 MW: 216.32 MOLFM: N2-S-C12-H12
WLN: ZR DSR DZ
SYN: BIS(4-AMINOPHENYL) SULFIDE * p,p'-DIAMINODIPHENYL SULFIDE * 4,4
4,4'-DIAMINODIPHENYL SULFIDE * DI(p-AMINOPHENYL) SULFIDE * 4,4'-THIOANILINE
* p,p-THIODIANILINE *
TXDS: orl-rat TDLo:2700 mg/kg/30DI TFX:CAR CNREA8 28,924,68

BZ14000. ANILINE YELLOW see:BY82250 ANILINE, p-(PHENYLAZO)-

BZ24500. A-MINOPTERIN see:MA10500 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)-
METHYL)AMINO)BENZOYL)-, L-

BZ66500. o-ANISIDINE, 4-((p-METHOXYPHENYL)AZO)-
CAS: 017210489 MW: 257.32 MOLFM: N3-O2-C14-H15
WLN: 1OR BZ ENUNR DO1
SYN: 3,4'-DIMETHOXY-4-AMINOAZOBENZENE * 4-((p-METHOXYPHENYL)AZO)-o-ANISIDINE
*
TXDS: orl-rat TDLo:23 gm/kg/55WC TFX:CAR GANNA2 59,131,68

BZ69000. m-ANISIDINE, 4-METHYL-6-(((2-CHLORO-4-NITRO)PHENYL)AZO)-
MW: 320.76 MOLFM: N4-O3-Cl-C14-H13
WLN: WNR CH DNUNR BZ E DOI
SYN: 2-CHLORO-4-NITROBENZENEAZO-2'-AMINO-4'-METHOXY-5'-METHYLBENZENE * 4-METHYL-
6-(((2-CHLORO-4-NITRO)PHENYL)AZO)-m-ANISIDINE *
TXDS: orl-rat TDLo:49 gm/kg/119WC TFX:NEO ZEKBAI 57,530,51

BZ70000. o-ANISIDINE, N-METHYL-4-(PHENYLAZO)-
CAS: 010121945 MW: 241.32 MOLFM: N3-O-C14-H15
WLN: 1OR BM1 ENUNR
SYN: 3-METHOXY-4-MONOMETHYLAMINOAZOBENZENE * N-METHYL-4-(PHENYLAZO)-o-ANISIDINE
*
TXDS: orl-rat TDLo:13 gm/kg/47WI TFX:CAR CNREA8 24,1279,64

BZ73500. o-ANISIDINE, 4-(PHENYLAZO)-
CAS: 003544238 MW: 227.29 MOLFM: N3-O-C13-H13
WLN: 1OR BZ ENUNR
SYN: 4-(PHENYLAZO)-o-ANISIDINE * 3-METHOXY-4-AMINOAZOBENZENE *
TXDS: orl-rat TDLo:19 gm/kg/49WC TFX:CAR GANNA2 59,131,68
skn-rat TDLo:1200 mg/kg/93WI TFX:CAR CNREA8 25,1784,65

BZ86500. o-ANISIDINE, N,N-DIMETHYL-4-PHENYLAZO-
MW: 255.35 MOLFM: N3-O-C15-H17
SYN: 3-METHOXY-4-DIMETHYLAMINOAZOBENZENE *
TXDS: skn-rat TDLo:700 mg/kg/WI TFX:CAR CNREA8 25,1784,65

BZ88500. ANISOLE, p-PHENYL-
CAS: 000613376 MW: 184.25 MOLFM: O-C13-H12
SYN: 4-METHOXYBIPHENYL *
TXDS: orl-rat TDLo:6000 mg/kg/52WC TFX:CAR ARZNAD 12,270,62

CA15750. ANOPEX see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

CA24500. ANOVLAR see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

CA84000. ANTHOPHYLLITE see also ASBESTOS
CAS: 017068789 MOLFM: O24-Si8-H2 .7(mg/Fe++)
TXDS: ihl-rat TCLo:11 mg/m3/7H/1YI TFX:CAR BJCAAI 29,252,74
ipl-rat TDLo:100 mg/kg TFX:NEO IARC** 2,27,73

CA89250. ANTHRA(9,1,2-cde)BENZO(h)CINNOLINE
CAS: 000189582 MW: 304.36 MOLFM: N2-C22-H12
SYN: 1,2-DIAZA-3,4:9,10-DIBENZPYRENE *
TXDS: orl-rat TDLo:3600 mg/kg/30DI TFX:NEO CNREA8 28,924,68
scu-mus TDLo:80 mg/kg TFX:NEO IJMRAQ 53,638,65

CA90000. ANTHRACEN (German) see:CA93500 ANTHRACENE

CA91000. 1-ANTHRACENAMIDE
MW: 193.26 MOLFM: N-C14-H11
SYN: 1-ANTHRAMINE *
TXDS: orl-rat TDLo:7200 mg/kg/30DI TFX:NEO CNREA8 28,924,68

CA92750. 2-ANTHRACENAMIDE
MW: 193.26 MOLFM: N-C14-H11
WLN: L C666J EZ
SYN: 2-AMINOANTHRACENE * 2-ANTHRAMINE *
TXDS: orl-rat TDLo:45 mg/kg/30DI TFX:CAR CNREA8 28,924,68

skn-ham TDLo:6000 mg/kg/55WI TFX:CAR CNREA8 20,100,60

CA93500. ANTHRACENE
CAS: 000120127 MW: 178.24 MOLFM: C14-H10
WLN: L C666J
SYN: ANTHRACEN (German) * ANTHRACIN * GREEN OIL * PARANAPHTHALENE * TETRA OLIVE N2G *
TXDS: scu-rat TDLo:3300 mg/kg/33WI TFX:NEO NATWAY 42,159,55

CA96250. ANTHRACENE, 9,10-DIHYDRO-9,10-DIOXO- see:CB47250 ANTHRAQUINONE

CA98000. 9,10-ANTHRACENEDIONE see:CB47250 ANTHRAQUINONE

CB07000. ANTHRACENE, 9-METHYL-
MW: 192.27 MOLFM: C15-H12
WLN: L C666J B
TXDS: ipr-mus TDLo:29 mg/kg TFX:NEO CANRA4 14,308,61

CB10500. 2-ANTHRACENESULFONIC ACID, 1-AMINO-9,10-DIHYDRO-4-(m-((2-HYDROXYETHYL)SULFONYL)ANILINO-9,10-DIOXO-, HYDROGEN SULFATE (ester), DISODIUM SALT
CAS: 002580781 MW: 628.60 MOLFM: N2-O11-S3-C22-H18 .2Na
WLN: L C666 BV IVJ DZ ESWO GMR CSW2OSWO 6-NA- 2
SYN: CAVALITE BRILLIANT BLUE R * C.I. REACTIVE BLUE 19, DISODIUM SALT * REMALAN BRILLIANT BLUE R * REMAZOL BRILLIANT BLUE R *
TXDS: scu-mus TDLo:19.2 gm/kg/48WI TFX:NEO VOONAW 13,53,67

CB12250. 1,8,9-ANTHRACENETRIOL
CAS: 000480228 MW: 226.24 MOLFM: O3-C14-H10
WLN: L C666J BQ DQ NQ
SYN: ANTHRALIN * 1,8,9-ANTHRATRIOL * CIGNOLIN * DIHYDROXY-ANTHRANOL * 1,8-DIHYDROXY-9-ANTHRANOL * DITHRANOL * 1,8,9-TRIHYDROXYANTHRACENE *
TXDS: skn-mus TDLo:446 mg/kg/27WI TFX:NEO GANNA2 59,187,68

CB16000. ANTHRACIN see:CA93500 ANTHRACENE

CB17500. ANTHRADIONE see:CB47250 ANTHRAQUINONE

CB19250. 1-ANTHRAMINE see:CA91000 1-ANTHRACENAMIDE

CB21000. ANTHRALIN see:CB12250 1,8,9-ANTHRACENETRIOL

CB22750. 2-ANTHRAMINE see:CA92750 2-ANTHRACENAMIDE

CB24500. ANTHRANILIC ACID
CAS: 000118923 MW: 137.15 MOLFM: N-O2-C7-H7
WLN: ZR DVQ
SYN: o-AMIDOBENZOIC ACID * o-AMINOBENZOIC ACID * 2-AMINOBENZOIC ACID * 1-AMINO-2-CARBOXYBENZENE * 2-CARBOXYANILINE * ORTHO-AMIDOBENZOIC ACID * ORTHO-AMINOBENZOIC ACID *
TXDS: orl-rat LD50:4620 mg/kg HURC** -,-,73
orl-rat TDLo:16 gm/kg/24WI TFX:NEO APMIAL 26,447,49

CB31500. ANTHRANILIC ACID, 3-HYDROXY- see:DG26250 BENZOIC ACID, 2-AMINO-3-HYDROXY-

CB47250. ANTHRAQUINONE
CAS: 000084651 MW: 208.22 MOLFM: O2-C14-H8
WLN: L C666 BV IVJ
SYN: ANTHRACENE, 9,10-DIHYDRO-9,10-DIOXO- * 9,10-ANTHRACENEDIONE * ANTHRADIONE * 9,10-ANTHRAQUINONE * 9,10-DIOXOANTHRACENE * HOELITE * MORKIT *
TXDS: orl-rat TDLo:72 gm/kg/90D TFX:NEO GANNA2 35,182,41

CB49000. 9,10-ANTHRAQUINONE see:CB47250 ANTHRAQUINONE

CB50750. ANTHRAQUINONE, 1-AMINO-
MW: 223.24 MOLFM: N-O2-C14-H9
WLN: L C666 BV IVJ DZ
SYN: alpha-AMINOANTHRAQUINONE * 1-AMINOANTHRAQUINONE *
TXDS: orl-rat TDLo:2740 mg/kg/61WI TFX:NEO TXAPA9 8,346,66

CB87500. 1,8,9-ANTHRATRIOL see:CB12250 1,8,9-ANTHRACENETRIOL

CB89250. 2-ANTHROL, 1-(PHENYLAZO)-
MW: 298.36 MOLFM: N2-O-C20-H14
WLN: L C666J DNUNR& EQ
SYN: BENZENEAZO-2-ANTHROL *
TXDS: scu-mus TDLo:25 gm/kg/52W TFX:CAR BJCAAI 10,653,56

CB93500. ANTIBASOW see:YR08750 URACIL, 6-METHYL-2-THIO-

CC27000. ANTILEPSIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

CC27400. ANTIMICINA see:NS17500 ISONICOTINIC ACID HYDRAZIDE

CC98000. ANTIMUCIN WDR see:OV64750 MERCURY, (ACETATO)PHENYL-

CD15750. ANTIOXIDANT-MB see:QM14000 1-NAPHTHYLAMINE

CD35000. ANTISACER see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

CD43750. ANTISTREPT see:WO84000 SULFANILAMIDE

CD44750. ANTITUBERKULOSUM see:NS17500 ISONICOTINIC ACID HYDRAZIDE

CD45250. ANTOL see:AF60000 ACETIC ACID, BROMO-, ETHYL ESTER

CD59100. AOM see:PA29750 METHANE, AZOXY-

CD64750. 6-APA see:XH82250 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 6-AMINO-3,3-DIMETHYL-7-OXO-

CD71750. APARASIN see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

CD82600. APHENYLBARBIT see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

CD82900. APHENYLETTEN see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

CD85750. APHOXIDE see:SZ17500 PHOSPHINE OXIDE, TRIS(1-AZIRIDINYL)-

CD87500. APHTIRIA see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

CD90000. APO see:SZ17500 PHOSPHINE OXIDE, TRIS(1-AZIRIDINYL)-

CD92500. APOCHOLIC ACID see:PZ50750 5-beta-CHOL-8(14)-EN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-

CE35000. APYONINE AURAMINE BASE see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

CE37500. AQUACHLORAL see:FM87500 CHLORAL HYDRATE

CE39000. AQUACRINE see:KG85750 ESTRONE

CE75250. ARAMITE see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

CE77000. ARAMITE-15W see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

CE77500. ARANCIO CROMO (Italian) see:OP98000 LEAD CHROMATE(6+) OXIDE

CE94500. ARCTUVIN see:MX35000 HYDROQUINONE

CF37600. ARMACIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

CF40250. APMAZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

CF61250. AROCLOR 1254
SYN: CHLORIERTE BIPHENYLE, CHLORGEHALT 54% (German) * CHLORODIPHENYL (54% Cl) * CLORODIFENILI, CLORO 54% (Italian) * DIPHENYLE CHLORE, 54% DE CHLORE (French) * PCB *
TXDS: orl-rat LD50:1295 mg/kg FCTXAV 12,63,74
ivn-rat LD50:358 mg/kg FCTXAV 12,63,74
orl-mus TDLo:17 gm/kg/48WC TFX:NEO JNCIAM 53,547,74
ipr-mus LD50:2840 mg/kg BECTA6 8,245,72
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 0.5 mg/m3;skin PEREAC 37,22139,72

CF71750. ARSAMBIDE see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

CP92750. ARSANILIC ACID, N-CARBAMOYL-
CAS: 000121595 MW: 260.10 MOLFM: N2-O4-As-C7-H9
WLN: ZVMR D-AS-QOO
SYN: AMABEVAN * AMEBAN * AMEBARSONE * AMIBIARSON * AMINARSON * AMINARSONE * AMINOARSON * ARSAMBIDE * p-ARSONOPHENYLUREA * BENZENEARSONIC ACID, p-UREIDO- * p-CARBAMIDOBENZENEARSONIC ACID * N-CARBAMOYLARSANILIC ACID * 4-CARBAMYLAMINOPHENYLARSONIC ACID * N-CARBAMYL ARSANILIC ACID * CARBARSONE * CARBASONE * CARB-O-SEP * FENARSONE * HISTOCARB * LEUCARSONE * p-UREIDOBENZENEARSONIC ACID * 4-UREIDO-1-PHENYLARSONIC ACID *
TXDS: orl-rat LD50:510 mg/kg FEPRA7 5,1,46
orl-rat TDLo:5000 mg/kg TFX:CAR CNREA8 26,619,66
ipr-rat LDLo:1000 mg/kg JPETAB 80,393,44

CG04500. ARSENIATE DE CALCIUM (French) see:CG08300 ARSENIC ACID, CALCIUM SALT(2:3)

CG08300. ARSENIC ACID, CALCIUM SALT(2:3)
CAS: 007778441 MW: 398.08 MOLFM: O8-As2 .3Ca
SYN: ARSENIATE DE CALCIUM (French) * KALO * TRICALCIUM ARSENATE *
TXDS: unk-hmn TDLo:753 mg/kg/12Y TFX:NEO GRMMAB 82,211,57
orl-rat LD50: 298 mg/kg TXAPA9 14,515,69
orl-mus LD50:794 mg/kg THRU** -,-,72
orl-rat LD50:40 mg/kg AMIHAB 14,178,56
orl-man LD50:35 mg/kg PCOC** -,170,66
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 1 mg/m3 FEREAC 37,22139,72
CRIT DOC: NIOSH Rec'd Stdrair:TWA 50 ug(As)/m3 NTIS** PB228-151

CG35000. ARSENIOUS ACID, POTASSIUM SALT
CAS: 010124502 MOLFM: O3-As-H3 .xK
WLN: .KA..AS2-O3-Q
SYN: ARSENITE DE POTASSIUM (French) * FOWLER'S SOLUTION * POTASSIUM ARSENITE
* POTASSIUM METAARSENITE *
TXDS: orl-hmn TDLo:67 ug/82W TFX:SYS LANCAO 1,269,53
orl-man TDLo:665 mg/kg/17Y CANCAR 21,514,68
orl-rat LD50:14 mg/kg APDOAQ 15,122,51
skn-rat LD50:150 mg/kg PHJOAV 185,361,60
skn-mus TDLo:291 mg/kg/13WI TFX:NEO BMJOAE 11,1107,22
U.S. OCCUPATIONAL STANDARD Usos-air TWA 0.5 mg(As)/m3 FEREAC 37,22139,72
CRIT DOC: NIOSH Rec'd Std-air:TWA 50 ug(As)/m3 NTIS** PB228-151

CH64750. ARSINE, DIPHENYLCHLORO-
CAS: 000712481 MW: 264.59 MOLFM: As-Cl-C12-H10
SYN: DIPHENYLCHLORARSINE * SNEEZING GAS *
TXDS: ihl-hmn LCLo:55 ppm/30M 28ZOAH -,-,37
skn-mus TDLo:33 mg/kg/WI TFX:NEO GTNIAI 78,3280,38
ihl-dog LCLo:31 ppm/50M ZGEMAZ 13,550,21
ihl-cat LCLo:6 ppm/24M ZGEMAZ 13,550,21
ivn-cat LDLo:500 ug/kg ZGEMAZ 13,550,21

CI08750. p-ARSONOPHENYLUREA see:CF92750 ARSANILIC ACID, N-CARBAMOYL-

CI48000. ARYLAM see:PC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

CI49000. AS-17665 see:LQ92750 FORMIC ACID, 2-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)HYDRAZIDE

CI64750. ASBESTOS
CAS: 001332214
SYN: ACTINOLITE * AMIANTHUS * AMOSITE * AMPHIBOLE * ANTHOPHYLLITE
* ASCARITE * CHRYSOTILE * CROCIDOLITE * TREMOLITE *
TXDS: ihl-hmn TCLo:1.2 fibers/cc/19YC TFX:PUL ARDSBL 104,576,71
ihl-rat TDLo:12 mg/m3/13W TFX:CAR BJCAAI 29,252,74
ipr-rat TDLo:280 mg/kg TFX:CAR AJPAA4 70,291,73
ipl-rat TDLo:100 mg/kg TFX:CAR BJCAAI 23,567,69
U.S. OCCUPATIONAL STANDARD USOS-ASBESTOS FEREAC 37,22142,72
CRIT DOC: OCCUPATIONAL EXPOSURE TO ASBESTOS NTIS** PB 209,510

CI70000. ASCARIDOLE see:OT01750 p-MENTH-2-ENE, 1,4-EPIDIOXY-

CI71750. ASCARISIN see:OT01750 p-MENTH-2-ENE, 1,4-EPIDIOXY-

CI73500. ASCARITE see:CI64750 ASBESTOS

CI84300. ASIATICOSIDE see:YU96250 URS-12-EN-28-OIC ACID, 2alpha,3beta,23-TRIHYDROXY-, O-6-DEOXY-alpha-L-MANNOPYRANOSYL- (1-4)-o-beta-D-GLUCOPYRANOSYL-(1-6)-o-beta-D-GLUCOPYRANOSYL ESTER

CJ08750. ASPOR see:ZH33250 ZINC, (ETHYLENEBIS(DITHIOCARBAMATO)-

CJ13200. ASSUGRIN see:GV73500 CYCLOHEXANESULFAMIC ACID, MONOSODIUM SALT

CJ15450. ASTRA CHRYSOIDINE R see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

CJ16600. ASTRAFER see:NO62100 IRON DEXTRIN

CJ22750. ASTREPTINE see:WO84000 SULFANILAMIDE

CJ28000. ASTROCID see:WO84000 SULFANILAMIDE

CJ31500. AT see:XZ38500 s-TRIAZOLE, 3-AMINO-

CJ35000. 3,A-T see:XZ38500 s-TRIAZOLE, 3-AMINO-

CJ40250. ATA see:XZ38500 s-TRIAZOLE, 3-AMINO-

CJ48800. ATCOTIBINE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

CJ68600. ATHYL-URETHAN (German) see:FA84000 CARBAMIC ACID, ETHYL ESTER

CJ71000. ATLANTIC BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

CJ87500. ATOXAN see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

CK36750. ATUL ACID SCARLET 3R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

CK39600. ATUL DIRECT BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

CK40800. ATUL INDIGO CARMINE see:DD30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

CK42000. ATUL SCARLET F see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

CK43750. ATUL SUNSET YELLOW FCF see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

CK49000. AURAMINE see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

CK49900. AURAMINE A1 see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK50750. AURAMINE BASE see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

CK51000. AURAMINE CONC. SPECIALLY SOLUBLE IN SPIRIT see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK51300. AURAMINE EXTRA see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK51600. AURAMINE EXTRA CONC. A see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK52000. AURAMINE FA see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK52500. AURAMINE (FREE BASE) see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

CK53000. AURAMINE HYDROCHLORIDE see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK53450. AURAMINE LAKE YELLOW O see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK54250. AURAMINE N BASE see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

CK56000. AURAMINE O see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK57750. AURAMINE O BASE see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

CK58000. AURAMINE O (BIOLOGICAL STAIN) see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK58300. AURAMINE O EXTRA CONC. A EXPORT see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK58650. AURAMINE ON see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK59000. AURAMINE OO see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK59500. AURAMINE OO see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

CK59800. AURAMINE OOO see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK60150. AURAMINE OS see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK60500. AURAMINE PURE see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK60850. AURAMINE SP see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK61250. AURAMINE SS see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

CK61600. AURAMINE YELLOW see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

CK62000. AURANILE see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

CK66500. AUREMINE see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

CK95400. AUROTHIOGLUCOSE see:MD64750 GOLD, (1-THIO-D-GLUCOPYRANOSATO)-

CK98150. AURUMINE see:MD64750 GOLD, (1-THIO-D-GLUCOPYRANOSATO)-

CK98600. AUSTROMINAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

CL05250. AVADEX see:EZ82250 CARBAMIC ACID, DIISOPROPYLTHIO-, S-(2,3-DICHLOROALLYL) ESTER

CL15750. AVICOL see:DA66500 BENZENE, PENTACHLORONITRO-

CL49000. AYERST 62013 see:XF07000 4,7,10,13-TETRAOXAHEXADECANE, 1,2:15,16-DIEPOXY-

CL68250. AZACYCLOPROPANE see:KX50750 ETHYLENIMINE

CL73500. 7-AZADIBENZ(a,j)ANTHRACENE see:HN10500 DIBENZ(a,j)ACRIDINE

CL75250. 14-AZADIBENZ(a,j)ANTHRACENE see:HN12250 DIBENZ(c,h)ACRIDINE

CL80500. 1-AZAINDENE see:NL24500 INDOLE

CM03500. AZATHIOPRINE see:UO89250 PURINE, 6-((1-METHYL-4-NITROIMIDAZOL-5-YL)THIO)-

CM33250. 1H-AZEPINE, HEXAHYDRO-1-NITROSO-
CAS: 000932832 MW: 128.20 MOLFM: N2-O-C6-H12
WLN: T7NTJ ANO
SYN: HEXAHYDRO-1-NITROSO-1H-AZEPINE * N-6-MI * N-NITROSOHEXAMETHYLENEIMINE * N-NITROSOPERHYDROAZEPINE *
TXDS: orl-rat LD50:336 mg/kg CNREA8 28,1217,68
orl-rat TDLo:720 mg/kg/8WI TFX:CAR CNREA8 28,1217,68
ipr-rat LDLo:300 mg/kg CNREA8 28,1217,68
scu-ham LD50:142 mg/kg JNCIAM 50,323,73
scu-ham TDLo:208 mg/kg/13W TFX:CAR JNCIAM 50,323,73

CM43750. AZETIDINE, 1-NITROSO-
MW: 83.08 MOLFM: N2-O-C3-H3
WLN: T4NTJ ANO
SYN: NITROSO-AZETIDIN (German) * 1-NITROSOAZETIDINE *
TXDS: orl-rat LDLo:1600 mg/kg NATWAY 54,518,67
orl-rat TDLo:1150 mg/kg/46DC TFX:CAR NATWAY 54,518,67
orl-mus TDLo:960 mg/kg/48DC TFX:CAR NATWAY 54,518,67

CM49000. AZIMETHYLENE see:PA70000 METHANE, DIAZO-

CM60300. AZIRANE see:KX50750 ETHYLENIMINE

CM60700. AZIRIDIN (German) see:KX50750 ETHYLENIMINE

CM61250. AZIRIDINE see:KX50750 ETHYLENIMINE

CM63000. AZIRIDINE, 1-ACETYL-
MW: 85.12 MOLFM: N-O-C4-H7
WLN: T3NTJ AV1
SYN: 1-ACETYLAZIRIDINE * ACETYLETHYLENEIMINE *
TXDS: scu-rat TDLo:78 mg/kg/26WI TFX:CAR BJPCBM 9,306,54
ipr-mus LD50:13 mg/kg NCISA* PH-43-63-1132
scu-mus TDLo:200 mg/kg/59DI TFX:CAR BJPCBM 9,306,54

CM64750. AZIRIDINE, 1-n-BUTYRYL
MW: 113.18 MOLFM: N-O-C6-H11
SYN: 1-n-BUTYRYLAZIRIDINE * BUTYRYLETHYLENEIMINE *
TXDS: scu-rat TDLo:220 mg/kg/28WI TFX:CAR BJPCBM 9,306,54
ipr-mus LD50:970 mg/kg NCISA* PH-43-63-1132
scu-mus TDLo:488 mg/kg/20WI TFX:CAR BJPCBM 9,306,54

CM68750. AZIRIDINE, 1-DIETHYLACETYL-
MW: 141.24 MOLFM: N-O-C8-H15
SYN: DIETHYLACETYLETHYLENEIMINE *
TXDS: scu-rat TDLo:420 mg/kg/28WI TFX:CAR BJPCBM 9,306,54
scu-mus TDLo:488 mg/kg/20WI TFX:CAR BJPCBM 9,306,54

CM69000. AZIRIDINE, 1,1',1''-(3,6-DIOXO-1,4-CYCLOHEXADIENE-1,2,4-TRIYL)TRIS- see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

CM70000. 1-AZIRIDINE ETHANOL
MW: 87.14 MOLFM: N-O-C4-H9
WLN: T3NTJ A2Q
SYN: beta-HYDROXY-1-ETHYLAZIRIDINE * N-HYDROXYETHYL ETHYLENE IMINE *
TXDS: orl-rat LD50: 74 mg/kg JIHTAB 31,60,49
scu-mus TDLo:250 mg/kg/21WI TFX:NEO JNCIAM 46,143,71
skn-rbt LD50:280 mg/kg JIHTAB 31,60,49

CM78900. AZIRIDINE, 1-HEXANOYL-
CAS: 026950970 MW: 141.24 MOLFM: N-O-C8-H15
WLN: T3NTJ AV5
SYN: CAPROYLETHYLENEIMINE * HEXANOYLETHYLENEIMINE *
TXDS: scu-rat TDLo:495 mg/kg/19WI TFX:CAR BJPCBM 9,306,54
scu-mus TDLo:360 mg/kg/40WI TFX:CAR BJPCBM 9,306,54

CM79000. AZIRIDINE, 1-LAUROYL-
MW: 225.42 MOLFM: N-O-C14-H27
WLN: T3NTJ AV11
SYN: LAUROYLETHYLENEIMINE *
TXDS: scu-rat TDLo:1000 mg/kg/32DI TFX:NEO BJPCBM 9,306,54

CM81000. AZIRIDINE, 1-MYRISTOYL-
MW: 253.48
SYN: MYRISTOYLETHYLENEIMINE * TETRADECANOYLETHYLENEIMINE *
TXDS: scu-mus TDLo:150 mg/kg TFX:NEO BJPCAL 9,306,54
scu-rat TDLo:3325 mg/kg/20WI TFX:CAR BJPCBM 9,306,54
scu-mus TDLo:4000 mg/kg/32WI TFX:CAR BJPCBM 9,306,54

CM82250. AZIRIDINE, 1-(2-NAPHTHOYL)-
MW: 197.25 MOLFM: N-O-C13-H11
SYN: 1-(2-NAPHTHOYL)-AZIRIDINE * beta-NAPHTHOYLETHYLENEIMINE *
TXDS: scu-rat TDLo:975 mg/kg/20WI TFX:CAR BJPCBM 9,306,54
ipr-mus LD50:122 mg/kg NCISA* PH-43-63-1132

CM82550. AZIRIDINE, 1-NONANOYL-
MW: 183.33 MOLFM: N-O-C11-H21
TXDS: scu-rat TDLo:760 mg/kg/27WI TFX:CAR BJPCBM 9,306,54
scu-mus TDLo:500 mg/kg/68WI TFX:NEO BJPCAL 9,306,54
scu-mus TDLo:500 mg/kg/20WI TFX:CAR BJPCBM 9,306,54

CM83000. AZIRIDINE, 1-OLEOYL-
MW: 307.58 MOLFM: N-O-C20-H37
SYN: OLEOYLETHYLENEIMINE *
TXDS: scu-rat TDLo:1700 mg/kg/49DI TFX:CAR BJPCBM 9,306,54

CM84000. AZIRIDINE, 1,1,1"-PHOSPHINOTHIOYLIDYNETRIS- see:SZ29750 PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)

CM85750. AZIRIDINE, 1,1',1"-PHOSPHINYLIDYNETRIS- see:SZ17500 PHOSPHINE OXIDE, TRIS(1-AZIRIDINYL)-

CM88500. AZIRIDINE, 1-STEAROYL-
MW: 309.60 MOLFM: N-O-C20-H39
WLN: T3NTJ AV17
SYN: 1-STEAROYLAZIRIDINE * STEAROYL ETHYLENEIMINE *
TXDS: scu-rat TDLo:1000 mg/kg/5WI TFX:NEO BJPCBM 6,357,51

CM89250. AZIRIDINE, 1,1',1''-s-TRIAZINE-2,4,6-TRIYLTRIS- see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

CN01750. AZIRIDYL BENZOQUINONE see:DK33250 p-BENZOQUINONE, 2,5-BIS(1-AZIRIDINYL)-3,6-BIS(2-METHOXYETHOXY)-

CN03500. 1H-AZIRINE, DIHYDRO- see:KX50750 ETHYLENIMINE

CN07000. AZIRINO(2',3':3,4)PYRROLO(1,2-a)INDOLE-4,7-DIONE, 6-AMINO-1,1a,2,8,8a,8b-HEXAHYDRO-8-(HYDROXYMETHYL)-8a-METHOXY-5-METHYL-, CARBAMATE (ester)
CAS: 000050077 MW: 334.19 MOLFM: N4-O5-C15-H18
WLN: T D3 B556 BN EM JV MVTTT6J G01 H1OVZ KZ L
SYN: MITOMYCIN-C * MMC * NSC 26980 *
TXDS: ivn-rat 2600 ug/kg/10WI TFX:CAR ARZNAD 20,1461,70
unk-rat LD50:2 mg/kg ADTER* 3,181,68
ipr-mus LD50:8 mg/kg CNCRA6 30,9,63
ipr-mus TDLo:12 mg/kg TFX:MUT TXAPA9 23,288,72
scu-mus TDLo:280 ug/kg/18WI TFX:CAR APJAAG 17,495,67
ivn-mus LD50:5 mg/kg 12VXA5 8,698,68
unk-mus TDLo:5 mg/kg/(7-13D preg) TFX:TER OPAJAE 44,337,68

CN13000. AZOBENZEEN (Dutch) see:CN14000 AZOBENZENE

CN14000. AZOBENZENE
CAS: 000103333 MW: 317.22 MOLFM: N2-C12-H10
WLN: RNUNR
SYN: AZOBENZEEN (Dutch) * AZOBENZIDE * AZOBENZOL * BENZENE, AZODI * BENZENEAZOBENZENE * DIPHENYLDIIMIDE * ENT 14,611 *
TXDS: orl-rat LD50: 1000 mg/kg ARSIM* 20,2,66
scu-rat TDLo:17 gm/kg/2YI TFX:NEO CANCAR 3,789,50
unk-man LDLo:50 mg/kg BESAAT 12,117,66

CN23000. AZOBENZENE, 4-N-CYCLO-ETHYLENEUREIDO-
MW: 266.33 MOLFM: N4-O-C15-H14
SYN: p-N-CYCLO ETHYLENEUREIDOAZOBENZENE *
TXDS: scu-rat TDLo:1110 mg/kg/15WI TFX:NEO BJPCBM 9,306,54

CN24500. AZOBENZENE, p-DIMETHYLAMINO- see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

CN26250. AZOBENZENE, 4-(DIMETHYLAMINO)-4'-FLUORO- see:CY07000 BENZENAMINE, 4-((4-FLUOROPHENYL)AZO)-N,N-DIMETHYL-

CN29750. AZOBENZENE, OXIDE see:CO40250 AZOXYBENZENE

CN31500. AZOBENZIDE see:CN14000 AZOBENZENE

CN33250. AZOBENZOL see:CN14000 AZOBENZENE

CN44700. AZOCARD BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

CN49000. AZOCINE, OCTAHYDRO-1-NITROSO-
CAS: 020917491 MW: 142.23 MOLFM: N2-O-C7-H14
WLN: T8NTJ ANO
SYN: N-NITROSOHEPTAMETHYLENEIMINE * NITROSO-HEPTAMETHYLENIMIN (German) * OCTAHYDRO-1-NITROSOAZOCINE *
TXDS: orl-rat LD50:283 mg/kg PSEBAA 130,945,69
orl-rat TDLo:585 mg/kg/26WC TFX:CAR PSEBAA 130,945,69
orl-ham TDLo:2100 mg/kg/50WI TFX:CAR ZEKBAI 74,185,70

CN64750. AZOENE FAST BLUE BASE see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

CN66500. AZOENE FAST BLUE SALT see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

CN80500. AZOFIX BLUE B SALT see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

CN91000. AZOGENE FAST BLUE B see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

CN92750. AZOGENE FAST BLUE B SALT see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

CO10500. AZOLMETAZIN see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

CO11750. AZOMINE BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

CO14000. 1,1'-AZONAPHTHALENE
CAS: 000487105 MW: 282.16 MOLFM: N2-C20-H14
WLN: L66J BN 2U
TXDS: scu-mus TDLo:200 mg/kg TFX:CAR AJCAA7 40,62,40

CO15750. 1,2'-AZONAPHTHALENE
CAS: 002653636 MW: 282.16 MOLFM: N2-C20-H14
WLN: L66J BNUN- CL66J
TXDS: scu-mus TDLo:200 mg/kg TFX:NEO AJCAA7 40,62,40

CO17500. 1H-AZONINE, OCTAHYDRO-1-NITROSO-
CAS: 020917504 MW: 156.26 MOLFM: N2-O-C8-H16
WLN: T9NTJ ANO
SYN: N-NITROSOOCTAMETHYLENEIMINE * OCTAHYDRO-1-NITROSO-1H-AZONINE *
TXDS: orl-rat LD50:566 mg/kg PSEBAA 130,945,69
orl-rat TDLo:810 mg/kg/36WC TFX:CAR PSEBAA 130,945,69

CO18300. AZOPHENYLENE see:SG13600 PHENAZINE

CO20000. AZO RED R see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

CO28600. AZO RUBINE S see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

CO29300. AZO RUBINE SF see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

CO29800. AZO RUBINE S.PQ see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

CO33800. AZO RUBY S see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

CO34250. AZOSEPTALE see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

CO34500. AZOSSIBENZENE (Italian) see:CO40250 AZOXYBENZENE

C039300. AZOXYBENZEEN (Dutch) see:C040250 AZOXYBENZENE

C040250. AZOXYBENZENE
CAS: 000495487 MW: 198.24 MOLFM: N2-O-C12-H10
WLN: ONR&ONR
SYN: AZOBENZENE, OXIDE * AZOSSIBENZENE (Italian) * AZOXYBENZEEN (Dutch) * AZOXYBENZIDE * AZOXYBENZOL (German) * BENZENE, AZOXYDI- * ORDINARY AZOXYBENZENE *
TXDS: orl-rat LD50:620 mg/kg AMIHBC 10,61,54
scu-rat TDLo:4 mg/kg TFX:CAR FEPRA7 31,1482,72
ipr-mus LDLo:500 mg/kg CBCCT* 7,389,55
skn-rbt LD50:1090 mg/kg AMIHBC 10,61,54
scu-rbt LDLo:250 mg/kg AEXPBL 35,401,1895

C042000. AZOXYBENZIDE see:C040250 AZOXYBENZENE

C042900. AZOXYBENZOL (German) see:C040250 AZOXYBENZENE

C043750. AZOXYETHANE see:KH42000 ETHANE, AZOXY-

C045500. AZOXYMETHANE see:PA29750 METHANE, AZOXY-

C049000. AZULENO(5,6,7-cd)PHENALENE
CAS: 006580412 MW: 252.32 MOLFM: C20-H12
TXDS: scu-mus TDLo:80 mg/kg/5WI TFX:NEO PAACA3 10,12,69

C049500. AZULENO(5,6,7-c,d)PHENALENE, METHYL-
MW: 266.35 MOLFM: C21-H14
SYN: METHYL-AZULENO(5,6,7-c,d)PHENALENE *
TXDS: scu-mus TDLo:80 mg/kg/4WI TFX:CAR NATWAY 57,499,70

C055000. AZUREN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

C057750. B 518 see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

C073500. BA see:CV92750 BENZ(a)ANTHRACENE

C087500. BA 51-090462 see:HO61250 DIBENZO(def,p)CHRYSENE

C090500. BABROCID see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

C091000. B(c)AC see:CU29750 BENZ(c)ACRIDINE

C093200. BACILLIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

CP08750. BACTERAMID see:WO84000 SULFANILAMIDE

CP12250. BACTESID see:WO84000 SULFANILAMIDE

CP19250. BAKER'S P AND S LIQUID AND OINTMENT see:SJ33250 PHENOL

CP63000. BARBENYL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

CP65500. BARBINAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

CP66500. BARBIPHENYL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

CP68250. BARBIPIL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

CP70000. BARBITA see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

CQ68250. BARBITURIC ACID, 5-ETHYL-5-PHENYL-
CAS: 000050066 MW: 232.14 MOLFM: N2-O3-C12-H12
WLN: T6VMVMV PHJ P2 FR
SYN: ADONAL * AGRYPNAL * AMYLOFENE * APHENYLBARBIT * APHENYLETTEN * AUSTROMINAL * BARBENYL * BARBINAL * BARBIPHENYL * BARBIPIL * BARBITA * BARBIVIS * BLU-PHEN * CRATECIL * DORMIRAL * DOSCALON * DONERYL * EPIDORM * ESKABARB * 5-ETHYL-5-PHENYLBARBITURIC ACID * ETILFEN * EUNERYL * FENEMAL * FENOBARBITAL * GARDENAL * GARDEPANYL * HELIONAL * HYPNOGEN * HYPNOLTOL * LEONAL * LEPINAL * LIQUITAL * LIXOPHEN * LUBERGAL * LUBROKAL * LUMINAL * NEUROBARB * NOPTIL * NUMOL * NUNOL * PHENAEMAL * PHENEMAL * PHENEMALUM * PHENOBAL * PHENOBARBITAL * PHENOBARBITONE * PHENOBARBYL * PHENOLURIC * PHENOLURIO * PHENOMET * PHENONYL * PHENYL-ETHYL-BARBITURIC ACID * 5-PHENYL-5-ETHYLBARBITURIC ACID * PHENYLETHYLMALONYLUREA * PHENYRAL * PHOB * SEDA-TABLINEN * SEVENAL * SOMONAL * STENTAL * STENTAL EXTENTABS * TEOLAXIN * TEOLOXIN * THEOLOXIN * TRIPHENATOL * VERSOMNAL *
TXDS: orl-hmn TDLo:18 mg/kg TFX:SKN JAMAAP 116,700,41
orl-hmn TDLo:214 ug/kg TFX:PSX 12VXA5 8,809,68
orl-rat LD50:66 mg/kg TXAPA9 18,197,71

ipr-rat LDLo:155 mg/kg JPETAB 44,325,32
scu-rat LD50:200 mg/kg AEPPAE 152,341,30
rec-rat LD50:284 mg/kg AACRAT 46,395,67
orl-mus LD50:168 mg/kg HPPAAL 19,241,61
skn-mus TDLo:480 mg/kg/WI TFX:NEO BJCAAI 9,177,55
ipr-mus LD50:340 mg/kg BJPCBM 37,140,69
scu-mus LD50:300 mg/kg BCPCA6 17,369,68
orl-rbt LDLo:150 mg/kg JPETAB 44,325,32
ipr-rbt LDLo:150 mg/kg JPETAB 44,325,32
unk-rbt TDLo:50 mg/kg/(8-16D preg) TFX:TER TXAPA9 10,244,67

CQ78750. BARBIVIS see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

CQ82250. BARDIOL see:KG29750 ESTRADIOL

CR15000. BASECIL see:YR08750 URACIL, 6-METHYL-2-THIO-

CR17000. BASETHYRIN see:YR08750 URACIL, 6-METHYL-2-THIO-

CR25700. BASIC LEAD ACETATE see:OP87500 LEAD, BIS(ACETATO)TETRAHYDROXYTRI-

CR26250. BASIC LEAD CHROMATE see:OF98000 LEAD CHROMATE(6+) OXIDE

CR54250. BATRILEX see:DA66500 BENZENE, PENTACHLORONITRO-

CS23500. BAYER 3231 see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

CS30500. BAYER 5360 see:NI56000 IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-

CS84000. BAYER A 139 see:DK33250 p-BENZOQUINONE, 2,5-BIS(1-AZIRIDINYL)-3,6-BIS(2-METHOXYETHOXY)-

CS87500. BAYER E39 SOLUBLE see:DK33250 p-BENZOQUINONE, 2,5-BIS(1-AZIRIDINYL)-3,6-BIS(2-METHOXYETHOXY)-

CT15750. BBH see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

CT16150. BBN see:EL12250 1-BUTANOL, 4-(BUTYLNITROSAMINO)-

CT17500. BCM see:OP22750 MANNITOL, 1,6-BIS((2-CHLOROETHYL)AMINO)-1,6-DIDEOXY-, DIHYDROCHLORIDE, D-

CT19250. BCME see:KN15750 ETHER, BIS(CHLOROMETHYL)

CT62500. BENCIDAL BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

CT63000. BENCIDAL BLUE 3B see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

CT64750. 3,3'-BENDIZINEDICARBOXYLIC ACID see:DV33250 3,3'-BIPHENYLDICARBOXYLIC ACID, 4,4'-DIAMINO-

CT77000. BEN-HEX see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

CT87900. BENOVOCYLIN see:KG40500 ESTRADIOL, 3-BENZOATE

CU07000. BENZ(e)ACEANTHRYLENE, 5,6-DIHYDRO-
CAS: 003697254 MW: 254.34 MOLFM: C20-H14
WLN: L C66 K665 IA T&&&&TJ
SYN: 4,10-ACE-1,2-BENZANTHRACENE *
TXDS: scu-mus TDLo:4 mg/kg TFX:CAR AJCAA7 33,499,38

CU08750. BENZ(j)ACEANTHRYLENE, 1,2-DIHYDRO- see:FZ26250 CHOLANTHRENE

CU10500. 11H-BENZ(bc)ACEANTHRYLENE, 6-METHYL-
MW: 254.34 MOLFM: C20-H14
SYN: 10-METHYL-1',9-METHYLENE-1,2-BENZANTHRACENE *
TXDS: scu-mus TDLo:40 mg/kg TFX:NEO CNREA8 6,454,46

CU12250. BENZ(j)ACEANTHRYLENE, 3-METHYL-
CAS: 003343100 MW: 266.35 MOLFM: C21-H14
WLN: L E6 D6656 1A TJ R
SYN: 1,2-DEHYDRO-3-METHYLCHOLANTHRENE * 3-METHYLBENZ(j)ACEANTHRYLENE * 3-METHYLCHOLANTHRYLENE *
TXDS: scu-mus TDLo:120 mg/kg/6WI TFX:CAR IJCNAW 2,505,67

CU14000. BENZ(j)ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL- see:FZ36750 CHOLANTHRENE, 3-METHYL-

CU15000. BENZ(e)ACEANTHRYLENE, 1,2,4,5,6,7-HEXAHYDRO-
MW: 258.38 MOLFM: C20-H18
WLN: L C66 K665 1A T&&T&TJ
SYN: 1,2,4,5,6,7-HEXAHYDROBENZ(e)ACEANTHRYLENE * 1',2',3',4'-TETRAHYDRO-4,10-ACE-1,2-BENZANTHRACENE *

TXDS: imp-mus TDLo:200 mg/kg TFX:NEO AJCAA7 33,499,38

CU15750. BENZ(k)ACEPHENANTHRYLENE, 4,5-DIHYDRO-
MW: 254.34 MOLFM: C20-H14
SYN: ACENAPHTHANTHRACENE * 3:4-DIMETHYLENE-1:2-BENZANTHRACENE *
TXDS: skn-mus TDLo:960 mg/kg/40WI TFX:CAR PRLBA4 129,439,40

CU17500. BENZ(e)ACEPHENANTHRYLENE
CAS: 000205992 MW: 252.32 MOLFM: C20-H12
WLN: L C65 K666 1A TJ
SYN: 3,4-BENZFLUORANTHENE * BENZO(b)FLUORANTHENE * 2,3-BENZOFLUORANTHENE * BENZO(e)FLUORANTHENE * 3,4-BENZOFLUORANTHENE * B(b)F *
TXDS: skn-mus TDLo:40 mg/kg TFX:CAR JNCIAM 37,519,66
scu-mus TDLo:72 mg/kg/9W TFX:CAR AICCA6 19,490,63

CU26250. 3,4-BENZACRIDINE see:CU29750 BENZ(c)ACRIDINE

CU27250. 3,4-BENZACRIDINE-9-ALDEHYDE see:CU31000 BENZ(c)ACRIDINE-7-CARBOXALDEHYDE

CU29750. BENZ(c)ACRIDINE
CAS: 000225514 MW: 229.29 MOLFM: N-C17-H11
WLN: T D6 B666 CNJ
SYN: B(c)AC * 3,4-BENZACRIDINE * alpha-CHRYSIDINE * alpha-NAPHTHACRIDINE *
TXDS: skn-mus TDLo:312 mg/kg/26W TFX:CAR IJCAAR 5,183,68

CU30100. BENZ(a)ACRIDINE, 10-AMINO-
CAS: 018936759 MW: 244.31 MOLFM: N2-C17-H12
WLN: T D6 B666 JNJ FR
SYN: 10-AMINOBENZ(a)ACRIDINE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO CHDDAT 267,981,68

CU30500. BENZ(c)ACRIDINE-7-CARBONITRILE
MW: 254.30 MOLFM: N2-C18-H10
SYN: 7-CYANOBENZ(c)ACRIDINE *
TXDS: scu-mus TDLo:120 mg/kg/13WI TFX:NEO CHDDAT 267,981,68

CU31000. BENZ(c)ACRIDINE-7-CARBOXALDEHYDE
MW: 245.29 MOLFM: N-O-C17-H11
WLN: T D6 B666 CNJ JVH
SYN: 3,4-BENZACRIDINE-9-ALDEHYDE *
TXDS: scu-mus TDLo:200 mg/kg TFX:NEO VOONAW 1,52,55

CU31500. BENZ(c)ACRIDINE-7-CARBOXALDEHYDE, 9-METHYL-
CAS: 000273094 MW: 271.33 MOLFM: N-O-C19-H13
WLN: T D6 B666 CNJ G JVH
SYN: 7-FORMYL-9-METHYLBENZ(c)ACRIDINE * 9-METHYLBENZ(c)ACRIDINE-7-CARBOXALDEHYDE *
TXDS: scu-mus TDLo:120 mg/kg/13WI TFX:NEO CHDDAT 267,981,68

CU33250. BENZ(c)ACRIDINE-7-CARBOXALDEHYDE, 11-METHYL-
CAS: 018936782 MW: 271.33 MOLFM: N-O-C19-H13
WLN: T D6 B666 CNJ E JVH
SYN: 7-FORMYL-11-METHYLBENZ(c)ACRIDINE * 11-METHYLBENZ(c)ACRIDINE-7-CARBOXALDEHYDE *
TXDS: scu-mus TDLo:120 mg/kg/13WI TFX:NEO CHDDAT 267,981,68

CU33750. BENZ(a)ACRIDINE, 9-CHLORO-8,12-DIMETHYL-
MW: 291.79 MOLFM: N-Cl-C19-H14
WLN: T D6 B666 JNJ C GG H
SYN: 2-CHLORO-1,10-DIMETHYL-5,6-BENZACRIDINE (French) *
TXDS: skn-mus TDLo:500 mg/kg/41WI TFX:NEO AICCA6 11,736,55

CU34250. BENZ(c)ACRIDINE, 10-CHLORO-7,11-DIMETHYL-
MW: 291.79 MOLFM: N-Cl-C19-H14
SYN: 2-CHLORO-1,10-DIMETHYL-7,8-BENZACRIDINE (French) *
TXDS: skn-mus TDLo:380 mg/kg/31WI TFX:NEO AICCA6 11,736,55

CU34750. BENZ(c)ACRIDINE, 10-CHLORO-7-ETHYL-11-METHYL-
MW: 305.82 MOLFM: N-Cl-C20-H16
WLN: T D6 B666 CNJ F PG J2
SYN: 2-CHLORO-1-METHYL-10-ETHYL-7,8-BENZACRIDINE (French) *
TXDS: scu-mus TDLo:10 mg/kg TFX:NEO AICCA6 11,736,55

CU34800. BENZ(c)ACRIDINE, 7,9-DIMETHYL-
MW: 267.35 MOLFM: N-C19-H15
WLN: T D6 B666 CNJ G J
SYN: 3,10-DIMETHYL-7,8-BENZACRIDINE (French) *
TXDS: scu-mus TDLo:200 mg/kg/10DI TFX:NEO BUCABS 34,22,47

CU34850. BENZ(c)ACRIDINE, 7,10-DIMETHYL-
MW: 257.35 MOLFM: N-C19-H15
WLN: T D6 B666 CNJ F J
TXDS: scu-mus TDLo:200 mg/kg/10DI TFX:NEO BUCABS 34,22,47

CU34900. BENZ(c)ACRIDINE, 7,11-DIMETHYL-
MW: 257.35 MOLFM: N-C19-H15
WLN: T D6 B666 CNJ E J
SYN: 1,10-DIMETHYL-7,8-BENZACRIDINE (French) *
TXDS: scu-mus TDLo:200 mg/kg/10DI TFX:NEO BUCABS 34,22,47

CU35500. BENZ(a)ACRIDINE, 12-(p-DIMETHYLAMINO)STYRYL)-
MW: 374.51 MOLFM: N2-C27-H22
WLN: T D6 P666 JNJ C1U1R DN1&1
SYN: p-DIMETHYLAMINOBENZYLIDEN-1,2-BENZ-9-METHYL-ACRIDINE *
TXDS: scu-mus TDLo:200 mg/kg TFX:NEO VOONAW 1,52,55

CU36000. BENZ(a)ACRIDINE, 8,12-DIMETHYL-10-FLUORO-
MW: 261.31 MOLFM: N-F-C18-H12
SYN: 3-FLUORO-2,10-DIMETHYL-5,6-BENZACRIDINE *
TXDS: skn-mus TDLo:324 mg/kg/27WI TFX:NEO AICCA6 11,736,55

CU37500. BENZ(c)ACRIDINE, 7-ETHYL-
MW: 257.35 MOLFM: N-C19-H15
WLN: T D6 B666 CNJ J2
SYN: 9-ETHYL-3,4-BENZACRIDINE *
TXDS: scu-mus TDLo:200 mg/kg TFX:NEO VOONAW 1,52,55

CU38515. BENZ(c)ACRIDINE, 9-ETHYL-7-METHYL-
MW: 270.37 MOLFM: N-C20-H16
SYN: 10-METHYL-3-ETHYL-7,8-BENZACRIDINE (French) *
TXDS: skn-mus TDLo:144 mg/kg/12WI TFX:NEO BAPEAG 42,180,55

CU38525. BENZ(c)ACRIDINE, 9-FLUORO-7-METHYL-
MW: 261.31 MOLFM: N-F-C18-H12
WLN: T D6 B666 CNJ GF J
SYN: 3-FLUORO-10-METHYL-7,8-BENZACRIDINE (French) *
TXDS: skn-mus TDLo:216 mg/kg/18WI TFX:NEO AICCA6 11,736,55
scu-mus TDLo:20 mg/kg TFX:NEO AICCA6 11,736,55

CU38550. BENZ(a)ACRIDINE, 10-FLUORO-12-METHYL-
MW: 261.31 MOLFM: N-F-C18-H12
WLN: T D6 B666 JNJ C FF
SYN: 3-FLUORO-10-METHYL-5,6-BENZACRIDINE *
TXDS: scu-mus TDLo:20 mg/kg TFX:NEO AICCA6 11,736,55

CU38575. BENZ(c)ACRIDINE, 11-FLUORO-7-METHYL-
MW: 261.31 MOLFM: N-F-C18-H12
SYN: 1-FLUORO-10-METHYL-7,8-BENZACRIDINE *
TXDS: scu-mus TDLo:20 mg/kg TFX:NEO AICCA6 11,736,55

CU38600. BENZ(c)ACRIDINE, 7-METHYL-9-PHENYL-
MW: 319,42 MOLFM: N-C24-H17
WLN: T D6 B666 CNJ GR& J
SYN: 5-METHYL-7-PHENYL-1:2-BENZACRIDINE * 3 PHENYL,10 METHYL,7:8 BENZACRIDINE (French) *
TXDS: skn-mus TDLo:390 mg/kg/32WI TFX:NEO AICCA6 7,184,50

CU38650. BENZ(c)ACRIDINE, 7,8,9,11-TETRAMETHYL-
MW: 285.41 MOLFM: N-C21-H19
SYN: 1,3,4,10-TETRAMETHYL-7,8-BENZACRIDINE (French) *
TXDS: scu-mus TDLo:200 mg/kg/10DI TFX:NEO BUCABS 34,22,47

CU38700. BENZ(a)ACRIDINE, 9,10,12-TRIMETHYL-
MW: 271.38 MOLFM: N-C20-H17
WLN: T D6 B666 CNJ F G J
SYN: 5,7,8-TRIMETHYL-3:4-BENZACRIDINE * 2,3,10 TRIMETHYL,5:6 BENZACRIDINE (French) *
TXDS: scu-mus TDLo:20 mg/kg TFX:NEO AICCA6 7,184,50

CU38800. BENZ(a)ACRIDINE, 3,8,12-TRIMETHYL-
MW: 271.38 MOLFM: N-C20-H17
WLN: T D6 B666 JNJ C H P
SYN: 1,10,3'-TRIMETHYL-5,6-BENZACRIDINE (French) *
TXDS: scu-mus TDLo:40 mg/kg TFX:NEO BUCABS 34,22,47

CU38900. BENZ(c)ACRIDINE, 5,7,11-TRIMETHYL-
MW: 271.38 MOLFM: N-C20-H17
WLN: T D6 B666 CNJ F J M
SYN: 3,5,9-TRIMETHYL-1:2-BENZACRIDINE * 1,6,10 TRIMETHYL,7:8 BENZACRIDINE (French) *
TXDS: skn-mus TDLo:250 mg/kg/21WI TFX:NEO AICCA6, 7,184,50

CU39000. BENZ(c)ACRIDINE, 7,8,11-TRIMETHYL-
MW: 271.38 MOLFM: N-C20-H17
WLN: T D6 B666 CNJ F H J
SYN: 5,6,9-TRIMETHYL-1:2-BENZACRIDINE * 1,4,10 TRIMETHYL,7:8 BENZACRIDINE (French) *
TXDS: skn-mus TDLo:280 mg/kg/23WI TFX:NEO AICCA6 7,184,50

CU39100. BENZ(c)ACRIDINE, 7,9,10-TRIMETHYL-
MW: 271.38 MOLFM: N-C20-H17
WLN: T D6 B666 JNJ C F G
SYN: 5,7,8-TRIMETHYL-1:2-BENZACRIDINE * 2,3,10 TRIMETHYL,7:8 BENZACRIDINE (French) *
TXDS: scu-mus TDLo:20 mg/kg TFX:NEO AICCA6 7,184,50
skn-mus TDLo:280 mg/kg/23WI TFX:NEO AICCA6 7,184,50

CU39150. BENZ(c)ACRIDINE, 7,9,11-TRIMETHYL-
MW: 271.38 MOLFM: N-C20-H17
WLN: T D6 B666 CNJ F G J
SYN: 1,3,10-TRIMETHYL-7,8-BENZACRIDINE (French) *
TXDS: scu-mus TDLo:200 mg/kg/10DI TFX:NEO BUCABS 34,22,47

CU39175. BENZ(a)ACRIDINE, 8,10,12-TRIMETHYL-
MW: 271.38 MOLFM: N-C20-H17
WLN: T D6 B666 JNJ C F H
SYN: 1,3,10-TRIMETHYL-5,6-BENZACRIDINE (French) *
TXDS: scu-mus TDLo:200 mg/kg/10DI TFX:NEO BUCABS 34,22,47

CV49500. BENZAMIDE, N-FLOUREN-2-YL-
MW: 285.36 MOLFM: N-O-C20-H15
SYN: N-FLOUREN-2-YLBENZAMIDE *
TXDS: ipr-rat TDLo:540 mg/kg/4WI TFX:NEO CNREA8 27,1443,67

CV70000. BENZAMINE BLUE see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

CV73000. BENZANIL BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

CV73500. BENZANIL BLUE 3BN see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

CV87500. BENZANILIDE, 4'-PHENYL-
MW: 273.35 MOLFM: N-O-C19-H15
WLN: RVMR DR
SYN: N-4-BIPHENYLBENZAMIDE *
TXDS: ipr-rat TDLo:540 mg/kg/4W TFX:NEO CNREA8 30,1485,70

CV91000. 1,2-BENZANTHRACENE see:CV92750 BENZ(a)ANTHRACENE

CV92750. BENZ(a)ANTHRACENE
CAS: 000056553 MW: 238.12 MOLFM: C18-H12
WLN: L D6 B666J
SYN: BA * 1,2-BENZANTHRACENE * 1,2-BENZANTHRAZEN (German) * BENZANTHRENE * BENZO(a)ANTHRACENE * BENZO(a)PHENANTHRENE * BENZO(b)PHENANTHRENE * 2,3-BENZOPHENANTHRENE * 2,3-BENZPHENANTHRENE * NAPHTHANTHRACENE * TETRAPHENE *
TXDS: orl-mus TDLo:4 gm/kg/5WI TFX:CAR CNREA8 23,1701,63
skn-mus TDLo:240 mg/kg/5W TFX:CAR BJCAAI 9,177,55
scu-mus TDLo:2 mg/kg TFX:CAR CNREA8 15,632,55
ivn-mus LDLo:10 mg/kg JNCIAM 1,225,40
par-mus TDLo:8 mg/kg TFX:CAR BECCAN 40,42,62
imp-mus TDLo:80 mg/kg TFX:CAR BJCAAI 22,825,68

CV94500. BENZ(a)ANTHRACENE mixed with DIBENZ(a,h)ANTHRACENE (99.6%:0.4%)
TXDS: scu-mus TDLo:201 mg/kg TFX:NEO CNREA8 11,56,51

CV96250. 1,2-BENZANTHRACENE-10-ACETIC ACID, METHYL ESTER
TXDS: scu-mus TDLo:600 mg/kg TFX:CAR JNCIAM 1,303,40

CV98000. 1,2-BENZANTHRACENE-10-ALDEHYDE
TXDS: scu-mus TDLo:280 mg/kg TFX:CAR JNCIAM 1,303,40

CW01750. BENZ(a)ANTHRACENE, 7-AMINO-
MW: 243.32 MOLFM: N-C18-H13
TXDS: scu-mus TDLo:1500 mg/kg/23WI TFX:NEO PRLBA4 129,439,40

CW02500. BENZ(a)ANTHRACENE, 4-BROMO-7-BROMOMETHYL-
MW: 400.13 MOLFM: Br2-C19-H12
WLN: L D6 B666J J1E
SYN: 4-BROMO-7-BROMOMETHYLBENZ(a)ANTHRACENE *

TXDS: skn-mus TDLo:16 mg/kg TFX:NEO EJCAAH 7,473,71

CW03500. BENZ(a)ANTHRACENE, 8-BROMO-7,12-DIMETHYL-
MW: 335.26 MOLFM: Br-C20-H15
SYN: 5-BROMO-9,10-DIMETHYL-1,2-BENZANTHRACENE *
TXDS: scu-mus TDLo:80 mg/kg TFX:CAR CNREA8 6,454,46

CW03800. BENZ(a)ANTHRACENE, 7-BROMOMETHYL-
MW: 321.23 MOLFM: Br-C19-H13
WLN: L D6 B666J J1E
SYN: 7-BROMOMETHYLBENZ(a)ANTHRACENE *
TXDS: skn-mus TDLo:13 mg/kg TFX:NEO EJCAAH 7,473,71

CW04000. BENZ(a)ANTHRACENE, 7-BROMOMETHYL-4-CHLORO-
MW: 355.67 MOLFM: Br-Cl-C19-H12
WLN: L D6 B66J J1E OG
SYN: 7-BROMOMETHYL-4-CHLOROBENZ(a)ANTHRACENE * 4-CHLORO-7-BROMOMETHYLBENZ(a)ANTHRACENE *
TXDS: skn-mus TDLo:14 mg/kg TFX:NEO EJCAAH 7,473,71

CW04500. BENZ(a)ANTHRACENE, 7-BROMOMETHYL-1-METHYL-
MW: 335.26 MOLFM: Br-C20-H15
WLN: L D6 B666J J1E R
SYN: 7-BROMOMETHYL-1-METHYLBENZ(a)ANTHRACENE * 1-METHYL-7-BROMOMETHYLBENZ(a)ANTHRACENE *
TXDS: skn-mus TDLo:13 mg/kg TFX:NEO EJCAAH 7,473,71

CW05250. BENZ(a)ANTHRACENE, 7-BROMOMETHYL-12-METHYL-
MW: 335.26 MOLFM: Br-C20-H15
WLN: L D6 B666J C J1E
SYN: 7-BROMOMETHYL-12-METHYLBENZ(a)ANTHRACENE *
TXDS: scu-rat TDLo:13 mg/kg TFX:CAR EJCAAH 6,417,70
skn-mus TDLo:13 mg/kg TFX:NEO EJCAAH 7,473,71

CW07000. BENZ(a)ANTHRACENE, 8-BUTYL-
MW: 284.42 MOLFM: C22-H20
SYN: 5-n-BUTYL-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:860 mg/kg/36WI TFX:CAR PRLBA4 129,439,40

CW08750. BENZ(a)ANTHRACENE-7-CARBOXALDEHYDE, 12-METHYL-
CAS: 013345614 MW: 270.34 MOLFM: O-C20-H14
WLN: L D6 B666J C JVH
SYN: 12-METHYLBENZ(a)ANTHRACENE-7-CARBOXALDEHYDE * 7-FORMYL-12-METHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR CNREA8 29,506,69
scu-mus TDLo:120 mg/kg/6WI TFX:CAR IJCNAW 2,500,67

CW09500. BENZ(a)ANTHRACENE, 7-CHLORO-
MW: 262.74 MOLFM: Cl-C18-H11
SYN: 10-CHLORO-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:260 mg/kg/22WI TFX:NEO COREAF 226,1852,48

CW10500. BENZ(a)ANTHRACENE, 7-CYANO-
MW: 253.30 MOLFM: N-C19-H11
SYN: 10-CYANO-1,2-BENZANTHRACENE *
TXDS: scu-mus TDLo:2400 mg/kg/36WI TFX:CAR PRLBA4 129,439,40

CW12250. BENZ(a)ANTHRACENE, 8-CYANO-7,12-DIMETHYL-
MW: 281.37 MOLFM: N-C21-H15
WLN: L D6 B666J C HCN J
SYN: 5-CYANO-9,10-DIMETHYL-1,2-BENZANTHRACENE * 7,12-DIMETHYLBENZ(a)ANTHRACENE-8-CARBONITRILE *
TXDS: scu-mus LDLo:80 mg/kg TFX:NEO CNREA8 6,454,46

CW14000. BENZ(a)ANTHRACENE, 7-CYANO-12-METHYL-
MOLFM: N-C20-H14
SYN: 9-METHYL-10-CYANO-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:620 mg/kg/26WI TFX:CAR PRLBA4 129,439,40
scu-mus TDLo:4800 mg/kg/24WI TFX:NEO PRLBA4 129,439,40

CW17250. BENZ(a)ANTHRACENE, 6,8-DIETHYL-
MW: 284.20 MOLFM: C22-H20
SYN: 6,8-DIETHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR JMCMAR 15,905,72

CW17500. BENZ(a)ANTHRACENE, 7,12-DIETHYL-
MW: 284.20 MOLFM: C22-H20
SYN: 9,10-DIETHYL-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:390 mg/kg/16WI TFX:NEO PRLBA4 129,439,40

CW17750. BENZ(a)ANTHRACENE, 8,12-DIETHYL-
MW: 284.20 MOLFM: C22-H20
SYN: 8,12-DIETHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR JMCMAR 15,905,72

CW18000. BENZ(a)ANTHRACENE, 5,6-DIHYDRO-7,12-DIMETHYL-
MW: 258.38 MOLFM: C20-H18
SYN: 5,6-DIHYDRO-7,12-DIMETHYL-BENZ(a)ANTHRACENE *
TXDS: skn-mus TDLo:128 mg/kg/50WI TFX:CAR ZEKBAI 77,226,72

CW18350. BENZ(a)ANTHRACENE, 7,12-DIHYDRO-7,12-DIMETHYL-7,12-EPOXY-
MW: 272.36 MOLFM: O-C20-H16
TXDS: skn-mus TDLo:870 mg/kg/36WI TFX:CAR PRLBA4 129,439,40

CW19250. BENZ(a)ANTHRACENE-7,12-DIMETHANOL
CAS: 002654650 MW: 290.38 MOLFM: O2-C20-H18
SYN: 9:10-BISHYDROXYMETHYL-1:2-BENZANTHRACENE *
TXDS: scu-mus TDLo:2700 mg/kg/40WI TFX:NEO PRLBA4 129,439,40

CW21000. BENZ(a)ANTHRACENE-7,12-DIMETHANOL DIACETATE
MW: 372.44 MOLFM: O4-C24-H20
SYN: 9,10-BISACETOXYMETHYL-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:1700 mg/kg/71WI TFX:NEO PRLBA4 129,439,40

CW22750. BENZ(a)ANTHRACENE, 7,12-DIMETHOXY-
CAS: 016354533
SYN: 7,12-DIMETHOXYBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR CNREA8 29,506,69

CW24500. BENZ(a)ANTHRACENE, 1,12-DIMETHYL-
SYN: 1',9-DIMETHYL-1,2-BENZANTHRACENE * 1,12-DIMETHYLBENZ(a)ANTHRACENE *
TXDS: scu-mus TDLo:72 mg/kg/13W TFX:NEO BUCABS 49,312,62

CW26250. BENZ(a)ANTHRACENE, 4,5-DIMETHYL-
CAS: 018429704
SYN: 3,4'-DIMETHYL-1,2-BENZANTHRACENE * 4,5-DIMETHYLBENZ(a)ANTHRACENE *
TXDS: scu-rat TDLo:18 mg/kg TFX:CAR PSEBAA 128,720,68

CW28000. BENZ(a)ANTHRACENE, 6,7-DIMETHYL-
CAS: 020627285 MW: 256.36 MOLFM: C20-H16
WLN: L D6 B666J J L
SYN: 4,10-DIMETHYL-1,2-BENZANTHRACENE * 6,7-DIMETHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR CNREA8 29,506,69
scu-mus TDLo:40 mg/kg TFX:CAR JNCIAM 1,303,40

CW29750. BENZ(a)ANTHRACENE, 6,8-DIMETHYL-
CAS: 000317646 MW: 256.36 MOLFM: C20-H16
WLN: L D6 B666J R L
SYN: 6,8-DIMETHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR CNREA8 29,506,69

CW33250. BENZ(a)ANTHRACENE, 6,12-DIMETHYL-
CAS: 000568810 MW: 256.36 MOLFM: C20-H16
WLN: L D6 B666J C L
SYN: 4,9-DIMETHYL-1,2-BENZANTHRACENE * 6,12-DIMETHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR CNREA8 29,506,69
imp-mus TDLo:80 mg/kg TFX:NEO JNCIAM 2,241,41

CW35000. BENZ(a)ANTHRACENE, 7,8-DIMETHYL-
CAS: 000604819 MW: 256.36 MOLFM: C20-H16
WLN: L D6 B666J R J
SYN: 5,10-DIMETHYL-1,2-BENZANTHRACENE * 7,8-DIMETHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR CNREA8 29,506,69
scu-mus TDLo:40 mg/kg TFX:CAR AJCAA7 33,499,38
imp-mus TDLo:400 mg/kg TFX:NEO AJCAA7 33,499,38

CW36750. BENZ(a)ANTHRACENE, 7,11-DIMETHYL-
MW: 256.36 MOLFM: C20-H16
WLN: L D6 B666J E J
SYN: 7,11-DIMETHYLBENZ(a)ANTHRACENE * 8,10-DIMETHYL-1,2-BENZANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR JMCMAR 14,940,71
scu-mus TDLo:40 mg/kg TFX:CAR CNREA8 6,454,46

CW38500. BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
CAS: 000057976 MW: 256.36 MOLFM: C20-H16
WLN: L D6 B666J C J
SYN: DBA * 7,12-DIMETHYLBENZ(a)ANTHRACENE * 9,10-DIMETHYL-1,2-BENZANTHRACENE
* 9,10-DIMETHYL-1,2-BENZANTHRAZEN (German) * DIMETHYLBENZANTHRENE
* 1,4-DIMETHYL-2,3-BENZPHENANTHRENE * DMBA * 7,12-DMBA *
TXDS: orl-rat TDLo:60 mg/kg TFX:CAR IJCNAW 4,480,69
scu-rat TDLo:13 mg/kg TFX:CAR EJCAAH 6,417,70
ivn-rat LD50: 54 mg/kg SCIEAS 147,1153,65

ivn-rat TDLo:39 mg/kg/6D TFX:CAR CNREA8 29,506,69
ims-rat TDLo:50 mg/kg TFX:CAR JMCMAR 14,940,71
par-rat TDLo:25 mg/kg/(8 or 13D preg) TER:TFX NATUAS 226,911,70
orl-mus LD50:340 mg/kg SCIEAS 147,1153,65
orl-mus TDLo:4 mg/kg TFX:NEO NATUAS 189,497,61
skn-mus TDLo:14 ug/kg/17W TFX:CAR BJCAAI 10,70,56
ipr-mus TDLo:12 mg/kg TFX:NEO CNREA8 29,1773,69
scu-mus LDLo:200 mg/kg CNREA8 1,685,41
scu-mus TDLo:2 mg/kg/52WI TFX:CAR JNCIAM 37,825,66
scu-mus TDLo:25 mg/kg TFX:CAR BJCAAI 17,255,63
par-mus TDLo:11 mg/kg TFX:CAR BECCAN 40,42,62
ivg-mus TDLo:744 mg/kg/31W TFX:NEO BJCAAI 20,184,66
itr-dog TDLo:21 ug/kg/53WI TFX:CAR JTCSAQ 49,364,65
skn-rbt TDLo:12 mg/kg/12WI TFX:CAR ONCOBS 15,98,62
scu-gpg LDLo:50 mg/kg CNREA8 30,2583,70
scu-gpg TDLo:30 mg/kg/19WI TFX:CAR COREAF 252,1236,61
skn-ham TDLo:2 mg/kg TFX:CAR CNREA8 20,100,60
itr-ham TDLo:5810 ug/kg/14WI TFX:CAR EJCAAH 10,483,74
ims-grb TDLo:250 mg/kg/7WI TFX:CAR CNREA8 26,844,66

CW40250. BENZ(a)ANTHRACENE-d16, 7,12-DIMETHYL-
MW: 272.36 MOLFM: C20-D16
SYN: 7,12-DIMETHYLBENZ(a)ANTHRACENE-d16 * 7,12-DIMETHYLBENZ(a)ANTHRACENE, deuterated *
TXDS: scu-mus TDLo:60 mg/kg/9WI TFX:CAR NATWAY 58,371,71

CW41000. BENZ(a)ANTHRACENE, 8,9-DIMETHYL-
MW: 256.36 MOLFM: C20-H16
WLN: L D6 B666J G H
SYN: 5,6-DIMETHYL-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:500 mg/kg/21WI TFX:CAR PRLBA4 117,318,35

CW42000. BENZ(a)ANTHRACENE, 8,12-DIMETHYL-
CAS: 020627310 MW: 256.36 MOLFM: C20-H16
WLN: L D6 B666J C H
SYN: 5,9-DIMETHYL-1,2-BENZANTHRACENE * 8,12-DIMETHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR CNREA8 29,506,69
scu-mus TDLo:40 mg/kg TFX:CAR AJCAA7 33,499,38

CW43750. BENZ(a)ANTHRACENE, 9,10-DIMETHYL-
CAS: 000056564 MW: 256.36 MOLFM: C20-H16
WLN: L D6 B666J F G
SYN: 6,7-DIMETHYL-1,2-BENZANTHRACENE * 9,10-DIMETHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:NEO CNREA8 29,506,69
skn-mus TDLo:720 mg/kg/30WI TFX:NEO PRLBA4 117,318,35

CW45500. BENZ(a)ANTHRACENE, 7,12-DIMETHYL-8-PROPYL-
MW: 297.44 MOLFM: C23-H21
WLN: L D6 B666J E G
SYN: 5-n-PROPYL-9,10-DIMETHYL-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:240 mg/kg/10W TFX:CAR CNREA8 1,685,41
scu-mus TDLo:200 mg/kg TFX:CAR CNREA8 1,685,41

CW49000. BENZ(a)ANTHRACENE, 5,6-EPOXY-5,6-DIHYDRO-
MW: 244.30 MOLFM: O-C18-H12
WLN: T B3 G6 E666 COT&&T&J
SYN: 5,6-EPOXY-5,6-DIHYDROBENZ(a)ANTHRACENE *
TXDS: scu-mus TDLo:400 mg/kg/10WI TFX:CAR IJCNAW 2,500,67

CW50750. BENZ(a)ANTHRACENE, 5,6-EPOXY-5,6-DIHYDRO-7-METHYL-
MW: 258.33 MOLFM: O-C19-H14
WLN: T B3 G6 E666 COT&&T&J F
SYN: 5,6-EPOXY-5,6-DIHYDRO-7-METHYLBENZ(a)ANTHRACENE *
TXDS: scu-mus TDLo:40 mg/kg TFX:CAR IJCNAW 2,500,67

CW52500. BENZ(a)ANTHRACENE-7-ETHANOL
MW: 272.36 MOLFM: O-C20-H16
SYN: 10-beta-HYDROXYETHYL-1:2-BENZANTHRACENE *
TXDS: skn-mus TDLo:120 mg/kg/WI TFX:NEO PRLBA4 131,170,42
scu-mus TDLo:1700 mg/kg/26WI TFX:NEO PRLBA4 129,439,40

CW54250. BENZ(a)ANTHRACENE, 7-(ETHOXYMETHYL)-
MW: 286.39 MOLFM: O-C21-H18
SYN: 10-ETHOXYMETHYL-1:2-BENZANTHRACENE *
TXDS: skn-mus TDLo:1300 mg/kg/54WI TFX:CAR PRLBA4 129,439,40

CW56000. BENZ(a)ANTHRACENE, 7-ETHOXY-12-METHYL-
CAS: 016354486 MW: 286.39 MOLFM: O-C21-H18
WLN: L D6 B666J C J02
SYN: 7-ETHOXY-12-METHYLBENZ(a)ANTHRACENE * 9-METHYL-10-ETHOXYMETHYL-1,2-BENZANTHRACENE *

TXDS: ims-rat TDLo:50 mg/kg TFX:CAR CNREA8 29,506,69
scu-mus TDLo:80 mg/kg TFX:CAR CNREA8 6,454,46

CW57750. BENZ(a)ANTHRACENE, 7-ETHYL-
CAS: 003697301 MW: 256.36 MOLFM: C20-H16
WLN: L D6 B666J J2
SYN: 10-ETHYL-1,2-BENZANTHRACENE *
TXDS: scu-mus TDLo:600 mg/kg TFX:NEO JNCIAM 1,303,40

CW58500. BENZ(a)ANTHRACENE, 8-ETHYL-
MW: 256.36 MOLFM: C20-H16
WLN: L D6 B666J B2
SYN: 5-ETHYL-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:330 mg/kg/27WI TFX:CAR PRLBA4 123,343,37

CW59500. BENZ(a)ANTHRACENE, 7-ETHYL-5-METHOXY-
SYN: 3-METHOXY-10-ETHYL-1,2-BENZANTHRACENE *
TXDS: scu-mus TDLo:900 mg/kg TFX:NEO JNCIAM 1,303,40

CW61250. BENZ(a)ANTHRACENE, 7-ETHYL-12-METHYL-
MW: 270.39 MOLFM: C21-H18
WLN: L D6 B666J C J2
SYN: 7-ETHYL-12-METHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:20 mg/kg TFX:CAR PNASA6 58,2253,67

CW63000. BENZ(a)ANTHRACENE, 12-ETHYL-7-METHYL-
MW: 270.39 MOLFM: C21-H18
WLN: L D6 B666J C2 J
SYN: 12-ETHYL-7-METHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:20 mg/kg TFX:CAR PNASA6 58,2253,67

CW64750. BENZ(a)ANTHRACENE, 4-FLUORO-
MW: 246.29 MOLFM: F-C18-H11
WLN: L D6 B666J OF
SYN: 4-FLUOROBENZ(a)ANTHRACENE * 4'-FLUORO-1,2-BENZANTHRACENE *
TXDS: scu-rat TDLo:9.2 mg/kg TFX:CAR CNREA8 23,229,63

CW66500. BENZ(a)ANTHRACENE, 6-FLUORO-7-BROMOMETHYL-
MW: 339.22 MOLFM: Br-F-C19-H12
WLN: L D6 B666J J1E LF
SYN: 6-FLUORO-7-BROMOMETHYLBENZ(a)ANTHRACENE *
TXDS: skn-mus TDLo:14 mg/kg TFX:NEO PJCAAH 7,473,71

CW68250. BENZ(a)ANTHRACENE, 3-FLUORO-7-METHYL-
CAS: 002606873 MW: 260.32 MOLFM: F-C19-H13
WLN: L D6 B666J J MF
SYN: 3-FLUORO-7-METHYLBENZ(a)ANTHRACENE * 3'-FLUORO-10-METHYL-1,2-BENZANTHRACENE *
TXDS: scu-rat TDLo:9.8 mg/kg TFX:CAR CNREA8 23,229,63
scu-mus TDLo:40 mg/kg TFX:CAR CNREA8 23,229,63

CW71750. BENZ(a)ANTHRACENE, 6-FLUORO-7-METHYL-
MW: 260.32 MOLFM: F-C19-H13
WLN: L D6 B666J J LF
SYN: 4-FLUORO-10-METHYL-1,2-BENZANTHRACENE * 6-FLUORO-7-METHYLBENZ(a)ANTHRACENE *
TXDS: scu-rat TDLo:8.6 mg/kg TFX:NEO CNREA8 23,229,63
skn-mus TDLo:120 mg/kg/20WI TFX:CAR CNREA8 23,229,63
scu-mus TDLo:40 mg/kg TFX:CAR CNREA8 23,229,63

CW73500. BENZ(a)ANTHRACENE, 9-FLUORO-7-METHYL-
MW: 260.32 MOLFM: F-C19-H13
WLN: L D6 B666J GF J
SYN: 6-FLUORO-10-METHYL-1,2-BENZANTHRACENE * 9-FLUORO-7-METHYLBENZ(a)ANTHRACENE *
TXDS: skn-mus TDLo:120 mg/kg/20WI TFX:CAR CNREA8 23,229,63

CW75250. BENZ(a)ANTHRACENE, 10-FLUORO-7-METHYL-
MW: 260.32 MOLFM: F-C19-H13
WLN: L D6 B666J FF J
SYN: 7-FLUORO-10-METHYL-1,2-BENZANTHRACENE * 10-FLUORO-7-METHYLBENZ(a)ANTHRACENE *
TXDS: scu-rat TDLo:10 mg/kg TFX:CAR CNREA8 23,229,63
skn-mus TDLo:120 mg/kg/20WI TFX:CAR CNREA8 23,229,63
scu-mus TDLo:40 mg/kg TFX:CAR CNREA8 23,229,63

CW77000. BENZ(a)ANTHRACENE, 8-HEXYL-
MW: 312.48 MOLFM: C24-H24
SYN: 5-n-HEXYL-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:1060 mg/kg/44WI TFX:CAR PRLBA4 129,439,40

CW78750. BENZ(a)ANTHRACENE, 8-ISOPROPYL-
MW: 270.39 MOLFM: C21-H18
SYN: 5-ISOPROPYLBENZ(a)ANTHRACENE * 5-ISOPROPYL-1:2-BENZANTHRACENE *
TXDS: skn-mus TDLo:850 mg/kg/35WI TFX:CAR PRLBA4 129,439,40
scu-mus TDLo:3000 mg/kg/45WI TFX:NEO PRLBA4 129,439,40

CW79500. BENZ(a)ANTHRACENE, 9-ISOPROPYL-
MW: 270.39 MOLFM: C21-H18
WLN: L D6 B666J GY
SYN: 6-ISOPROPYL-1:2-BENZANTHRACENE *
TXDS: skn-mus TDLo:450 mg/kg/38WI TFX:CAR PRLBA4 111,485,32

CW80500. BENZ(a)ANTHRACENE-7-METHANEDIOL DIACETATE (ester)
MW: 358.41 MOLFM: O4-C23-H18
WLN: L D6 B666J JYOV1&OV1
SYN: 7-DIACETOXYMETHYLBENZ(a)ANTHRACENE *
TXDS: scu-mus TDLo:120 mg/kg/6WI TFX:CAR IJCNAW 2,500,67

CW82250. BENZ(a)ANTHRACENE-7-METHANETHIOL
MW: 275.40 MOLFM: S-C19-H15
SYN: 1,2 BENZANTHRYL-10-METHYL MERCAPTAN *
TXDS: scu-mus TDLo:80 mg/kg TFX:NEO CNREA8 6,454,46

CW84000. BENZ(a)ANTHRACENE-7-METHANOL
MW: 258.33 MOLFM: O-C19-H14
SYN: 10-HYDROXYMETHYL-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:700 mg/kg/29WI TFX:CAR PRLBA4 129,439,40
scu-mus TDLo:110 mg/kg/16WI TFX:CAR PRLBA4 129,439,40

CW85750. BENZ(a)ANTHRACENE-7-METHANOL ACETATE
MW: 301.38 MOLFM: O2-C21-H17
SYN: 10-ACETOXYMETHYL-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:700 mg/kg/29WI TFX:CAR PRLBA4 129,439,40
scu-mus TDLo:1100 mg/kg/17WI TFX:NEO PRLBA4 129,439,40

CW87500. BENZ(a)ANTHRACENE-7-METHANOL, 12-METHYL-
CAS: 000568752 MW: 272.36 MOLFM: O-C20-H16
WLN: L D6 B666J C J1Q
SYN: 7-HYDROXYMETHYL-12-METHYLBENZ(a)ANTHRACENE * 12-METHYLBENZ(a)ANTHRACENE-7-METHANOL *
TXDS: orl-rat TDLo:50 mg/kg TFX:CAR BJCAAI 22,122,68
ivn-rat TDLo:25 mg/kg/(17D preg) TFX:TER NATUAS 228,72,70
ims-rat TDLo:50 mg/kg TFX:NEO CNREA8 29,506,69
scu-mus TDLo:400 mg/kg/10WI TFX:CAR IJCNAW 2,500,67

CW89250. BENZ(a)ANTHRACENE-12-METHANOL, 7-METHYL-
CAS: 000568707 MW: 272.36 MOLFM: O-C20-H16
WLN: L D6 B666J C1Q J
SYN: 12-HYDROXYMETHYL-7-METHYLBENZ(a)ANTHRACENE * 7-METHYLBENZ(a)ANTHRACENE-12-METHANOL *
TXDS: orl-rat TDLo:150 mg/kg TFX:NEO BJCAAI 22,122,68
scu-mus TDLo:400 mg/kg/10WI TFX:CAR IJCNAW 2,500,67

CW91000. BENZ(a)ANTHRACENE-7-METHANOL, 12-METHYL-, ACETATE
MW: 314.46 MOLFM: O2-C22-H18
WLN: L D6 B666J C J1OV1
SYN: 7-ACETOXYMETHYL-12-METHYLBENZ(a)ANTHRACENE * 12-METHYLBENZ(a)ANTHRACENE-7-METHANOL ACETATE (ester) *
TXDS: scu-mus TDLo:120 mg/kg/6WI TFX:NEO IJCNAW 2,500,67

CW92750. BENZ(a)ANTHRACENE, 5-METHOXY-
SYN: 3-METHOXY-1,2-BENZANTHRACENE *
TXDS: scu-mus TDLo:1000 mg/kg TFX:NEO JNCIAM 1,303,40

CW94500. 1,2-BENZ(a)ANTHRACENE, 5-METHOXY- see:CW98000 BENZ(a)ANTHRACENE, 8-METHOXY-

CW96250. BENZ(a)ANTHRACENE, 7-METHOXY-
CAS: 006366207 MW: 258.33 MOLFM: O-C19-H14
WLN: L D6 B666J JO1
SYN: 10-METHOXY-1,2-BENZANTHRACENE *
TXDS: scu-mus TDLo:600 mg/kg/1 TFX:NEO JNCIAM 1,303,40

CW98000. BENZ(a)ANTHRACENE, 8-METHOXY-
MW: 258.33 MOLFM: O-C19-H14
WLN: L D6 B666J BO1
SYN: 1,2-BENZ(a)ANTHRACENE, 5-METHOXY- * 5-METHOXY-1:2-BENZANTHRACENE *
TXDS: scu-mus TDLo:60 mg/kg TFX:CAR BJCAAI 9,457,55

CX01750. BENZ(a)ANTHRACENE, 5-METHOXY-7-METHYL-
SYN: 3-METHOXY-10-METHYL-1,2-BENZANTHRACENE *
TXDS: scu-mus TDLo:140 mg/kg TFX:NEO JNCIAM 1,303,40

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CX03500. BENZ(a)ANTHRACENE, 7-METHOXY-12-METHYL-
         CAS: 016354475     MW: 272.36         MOLFM: O-C20-H16
         WLN: L D6 B666J C JO1
         SYN: 7-METHOXY-12-METHYLBENZ(a)ANTHRACENE   *
         TXDS: ims-rat TDLo:50 mg/kg TFX:CAR                          CNREA8 29,506,69
               scu-mus TDLo:80 mg/kg TFX:NEO                          CNREA8 6,454,46

CX05250. BENZ(a)ANTHRACENE, 8-METHOXY-7-METHYL-
                           MW: 272.36         MOLFM: O-C20-H16
         SYN: 5-METHOXY-10-METHYL-1,2-BENZANTHRACENE   *
         TXDS: scu-mus TDLo:80 mg/kg TFX:CAR                          CNREA8 6,454,46

CX07000. BENZ(a)ANTHRACENE, 1-METHYL-
         CAS: 002498773     MW: 242.33         MOLFM: C19-H14
         WLN: L D6 B666J R
         SYN: 1'-METHYLBENZ(a)ANTHRACENE   *  1'-METHYL-1,2-BENZANTHRACENE   *
         TXDS: scu-rat TDLo:16 mg/kg TFX:NEO                          JNCIAM 25,387,60

CX08750. BENZ(a)ANTHRACENE, 2-METHYL-
                           MW: 242.33         MOLFM: C19-H14
         SYN: 2'-METHYL-1,2-BENZANTHRACENE   *
         TXDS: skn-mus TDLo:530 mg/kg/33WI TFX:NEO                    CNREA8 11,892,51

CX10500. BENZ(a)ANTHRACENE, 4-METHYL-
         CAS: 000316494     MW: 242.33         MOLFM: C19-H14
         WLN: L D6 B666J O
         SYN: 4'-METHYLBENZ(a)ANTHRACENE   *  4'-METHYL-1:2-BENZANTHRACENE   *
         TXDS: scu-rat TDLo:18 mg/kg TFX:NEO                          JNCIAM 25,387,60
               skn-mus TDLo:2100 mg/kg/89WI TFX:NEO                   PRLBA4 129,439,40
               imp-mus TDLo:80 mg/kg TFX:NEO                          JNCIAM 2,241,41

CX12250. BENZ(a)ANTHRACENE, 5-METHYL-
         CAS: 002319962     MW: 242.33         MOLFM: C19-H14
         WLN: L D6 B666J M
         SYN: 3-METHYLBENE(a)ANTHRACENE   *  3-METHYL-1,2-BENZANTHRACENE   *
         TXDS: scu-rat TDLo:18 mg/kg TFX:CAR                          JNCIAM 25,387,60
               skn-mus TDLo:1740 mg/kg/73WI TFX:CAR                   PRLBA4 129,439,40
               scu-mus TDLo:72 mg/kg/13WI TFX:NEO                     BUCABS 49,312,62

CX14000. BENZ(a)ANTHRACENE, 6-METHYL-
         CAS: 000316143     MW: 242.33         MOLFM: C19-H14
         WLN: L D6 B666J L
         SYN: 4-METHYLBENZ(a)ANTHRACENE   *  4-METHYL-1,2-BENZANTHRACENE   *
         TXDS: scu-rat TDLo:18 mg/kg TFX:CAR                          JNCIAM 25,387,60
               ims-rat TDLo:20 mg/kg TFX:CAR                          PNASA6 58,2253,67
               skn-mus TDLo:720 mg/kg/30WI TFX:NEO                    PRLBA4 117,318,35
               scu-mus TDLo:72 mg/kg/13WI TFX:CAR                     BUCABS 49,312,62

CX15750. BENZ(a)ANTHRACENE, 7-METHYL-
         CAS: 002541697     MW: 242.33         MOLFM: C19-H14
         WLN: L D6 B666J J
         SYN: 10-METHYLBENZ(a)ANTHRACENE   *  10-METHYL-1,2-BENZANTHRACENE   *
         TXDS: orl-rat TDLo:1000 mg/kg TFX:NEO                        SCIEAS 137,257,62
               scu-rat TDLo:18 mg/kg TFX:CAR                          JNCIAM 25,387,60
               ims-rat TDLo:50 mg/kg TFX:CAR                          CNREA8 29,506,69
               skn-mus TDLo:55 mg/kg/2WI TFX:CAR                      PSEBAA 136,1206,71
               scu-mus TDLo:10 mg/kg TFX:CAR                          CNREA8 23,229,63
               imp-mus TDLo:200 mg/kg TFX:NEO                         AJCAA7 33,499,38

CX17500. BENZ(a)ANTHRACENE, 8-METHYL-
         CAS: 002381319     MW: 242.33         MOLFM: C19-H14
         WLN: L D6 B666J H
         SYN: 5-METHYLBENZ(a)ANTHRACENE   *  5-METHYL-1,2-BENZANTHRACENE   *
         TXDS: scu-rat TDLo:18 mg/kg TFX:CAR                          JNCIAM 25,387,60
               skn-mus TDLo:720 mg/kg/30WI TFX:CAR                    PRLBA4 117,318,35
               imp-mus TDLo:200 mg/kg TFX:NEO                         AJCAA7 33,499,38

CX19250. BENZ(a)ANTHRACENE, 9-METHYL-
         CAS: 002381160     MW: 242.35         MOLFM: C19-H14
         WLN: L D6 B666J G
         SYN: 6-METHYLBENZ(a)ANTHRACENE   *  6-METHYL-1,2-BENZANTHRACENE   *
         TXDS: skn-mus TDLo:1032 mg/kg/43WI TFX:NEO                   JPBAA7 57,467,45
               scu-rat TDLo:18 mg/kg TFX:CAR                          JNCIAM 25,387,60

CX21000. BENZ(a)ANTHRACENE, 10-METHYL-
         CAS: 002381159     MW: 242.33         MOLFM: C19-H14
         WLN: L D6 B666J F
         SYN: 7-METHYLBENZ(a)ANTHRACENE   *  7-METHYL-1,2-BENZANTHRACENE   *
         TXDS: scu-rat TDLo:18 mg/kg TFX:NEO                          JNCIAM 25,387,60
               skn-mus TDLo:1930 mg/kg/80WI TFX:NEO                   PRLBA4 129,439,40
               scu-mus TDLo:2900 mg/kg/42WI TFX:NEO                   PRLBA4 129,439,40
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CX22750. BENZ(a)ANTHRACENE, 11-METHYL-
CAS: 006111780 MW: 242.33 MOLFM: C19-H14
SYN: 8-METHYL-1:2-BENZANTHRACENE *
TXDS: skn-mus TDLo:1180 mg/kg/49WI TFX:NEO PRLBA4 129,439,40

CX24500. BENZ(a)ANTHRACENE, 12-METHYL-
CAS: 002422799 MW: 242.33 MOLFM: C19-H14
WLN: L D6 B666J C
SYN: 9-METHYLBENZ(a)ANTHRACENE * 9-METHYL-1,2-BENZANTHRACENE *
TXDS: orl-rat TDLo:1000 mg/kg TFX:NEO SCIEAS 137,257,62
scu-rat TDLo:18 mg/kg TFX:CAR JNCIAM 25,387,60
skn-mus TDLo:1070 mg/kg/45W TFX:CAR PRLBA4 129,439,40
scu-mus TDLo:140 mg/kg/70DI TFX:NEO AJCAA7 33,499,38

CX26250. BENZ(a)ANTHRACENE, 12-METHYL-7-PROPYL-
MW: 284.42 MOLFM: C22-H20
WLN: L D6 B666J C J3
SYN: 12-METHYL-7-PROPYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:20 mg/kg TFX:CAR PNASA6 58,2253,67

CX27000. BENZ(a)ANTHRACENE, 6-METHYL-1,2,3,4-TETRAHYDRO-
MW: 246.37 MOLFM: C19-H18
SYN: 6-METHYL-1,2,3,4-TETRAHYDROBENZ(a)ANTHRACENE * 4-METHYL-1',2',3',4'-TETRAHYDRO-1,2-BENZANTHRACENE *
TXDS: imp-mus TDLo:80 mg/kg TFX:NEO JNCIAM 2,241,41

CX28000. BENZ(a)ANTHRACENE, 8-PENTYL-
MW: 298.45 MOLFM: C23-H22
SYN: 5-n-AMYL-1:2-BENZANTHRACENE *
TXDS: skn-mus TDLo:950 mg/kg/40WI TFX:CAR PRLBA4 129,439,40

CX29750. BENZ(a)ANTHRACENE, 8-PHENYL-
MW: 304.40 MOLFM: C24-H16
SYN: 5-PHENYL-1:2-BENZANTHRACENE *
TXDS: skn-mus TDLo:1700 mg/kg/69WI TFX:NEO PRLBA4 129,439,40

CX30500. BENZ(a)ANTHRACENE, 8-PROPYL
MW: 270.39 MOLFM: C21-H18
SYN: 5-n-PROPYL-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:270 mg/kg/23WI TFX:CAR PRLBA4 123,343,37

CX31500. BENZ(a)ANTHRACENE, 8,9,10,11-TETRAHYDRO-7,12-DIMETHYL-
MW: 248.39 MOLFM: C19-H20
WLN: L D6 B666T&&J C J
SYN: 8,9,10,11-TETRAHYDRO-7,12-DIMETHYLBENZ(a)ANTHRACENE *
TXDS: skn-mus TDLo:210 mg/kg/65W TFX:CAR JNCIAM 44,641,70

CX33250. BENZ(a)ANTHRACENE, 7,8,9,12-TETRAMETHYL-
MW: 284.42 MOLFM: C22-H20
SYN: 5,6,9,10-TETRAMETHYL-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:580 mg/kg/24WI TFX:CAR PRLBA4 129,439,40
scu-mus TLDo:15 mg/kg/22WI TFX:NEO PRLBA4 129,439,40

CX34000. BENZ(a)ANTHRACENE, 7,9,10,12-TETRAMETHYL-
MW: 284.42 MOLFM: C22-H20
SYN: 6,7,9,10-TETRAMETHYL-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:140 mg/kg/34WI TFX:NEO CRSBAW 148,812,54
scu-mus TDLo:120 mg/kg/9WI TFX:CAR CRSBAW 148,812,54

CX35000. BENZ(a)ANTHRACENE-7-THIOL
MW: 260.36 MOLFM: S-C18-H12
SYN: 1,2 BENZANTHRYL-10-MERCAPTAN *
TXDS: scu-mus TDLo:80 mg/kg TFX:NEO CNREA8 6,454,46

CX36750. BENZ(a)ANTHRACENE, 4,5,10-TRIMETHYL-
CAS: 018429715 MW: 270.39 MOLFM: C21-H18
WLN: L D6 B666J F M O
SYN: 4,5,10-TRIMETHYLBENZ(a)ANTHRACENE *
TXDS: scu-rat TDLo:18 mg/kg TFX:CAR PSEBAA 128,720,68

CX38500. BENZ(a)ANTHRACENE, 4,7,12-TRIMETHYL-
MW: 270.39 MOLFM: C21-H18
WLN: L D6 B666J C J O
SYN: 4,7,12-TRIMETHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR JMCMAR 14,940,71
skn-mus TDLo:330 mg/kg/28WI TFX:NEO CRSBAW 148,812,54
scu-mus TDLo:120 mg/kg/9WI TFX:NEO CRSBAW 148,812,54

CX40250. BENZ(a)ANTHRACENE, 6,7,8-TRIMETHYL-
CAS: 020627321 MW: 270.39 MOLFM: C21-H18
WLN: L D6 B666J H J L
SYN: 6,7,8-TRIMETHYLBENZ(a)ANTHRACENE *

TXDS: ims-rat TDLo:50 mg/kg TFX:CAR CNREA8 29,506,69

CX42000. BENZ(a)ANTHRACENE, 6,7,12-TRIMETHYL-
CAS: 020627332 MW: 270.39 MOLFM: C21-H18
WLN: L D6 B666J C J L
SYN: 4,9,10-TRIMETHYL-1,2-BENZANTHRACENE * 6,7,12-TRIMETHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR CNREA8 29,506,69

CX43750. BENZ(a)ANTHRACENE, 6,8,12-TRIMETHYL-
CAS: 020627343 MW: 270.39 MOLFM: C21-H18
WLN: L D6 B666J C H L
SYN: 6,8,12-TRIMETHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR CNREA8 29,506,69

CX45500. BENZ(a)ANTHRACENE, 7,8,12-TRIMETHYL
CAS: 013345644 MW: 270.39 MOLFM: C21-H18
WLN: L D6 B666J C H J
SYN: 5:9:10-TRIMETHYL-1:2-BENZANTHRACENE *
TXDS: ivn-rat TDLo:120 mg/kg/40D TFX:CAR JNCIAM 48,429,72
skn-mus TDLo:62 mg/kg/13WI TFX:CAR PRLBA4 129,39,40
scu-mus TDLo:1400 mg/kg/20WI TFX:NEO PRLBA4 129,39,40

CX47250. BENZ(a)ANTHRACENE, 7,9,12-TRIMETHYL-
CAS: 006610408 MW: 270.39 MOLFM: C21-H18
WLN: L D6 B666J C G J
SYN: 6,9,10-TRIMETHYL-1,2-BENZANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR JMCMAR 14,940,71
skn-mus TDLo:310 mg/kg/13WI TFX:CAR PRLBA4 129,439,40
scu-mus TDLo:1200 mg/kg/17WI TFX:NEO PRLBA4 129,439,40

CX49000. BENZ(a)ANTHRACENE, 7,10,12-TRIMETHYL-
MW: 270.39 MOLFM: C21-H18
WLN: L D6 B666J C F J
SYN: 7,10,12-TRIMETHYLBENZ(a)ANTHRACENE *
TXDS: ims-rat TDLo:50 mg/kg TFX:CAR JMCMAR 14,940,71

CX50850. N-(BENZ(a)ANTHRACEN-5-YLCARBAMOYL)GLYCINE see:MB78750 GLYCINE, N-(BENZ(a)ANTHRACEN-5-YLCARBAMOYL)-

CX50900. N-(BENZ(a)ANTHRACEN-7-YLCARBAMOYL)GLYCINE see:MB79000 GLYCINE, N-(BENZ(a)ANTHRACEN-7-YLCARBAMOYL)-

CX51000. BENZ(a)ANTHRACEN-7-YL TRICHLOROMETHYL KETONE
MW: 373.66 MOLFM: O-C13-C20-H11
WLN: L D6 B666J JVXGGG
SYN: 10-TRICHLORACETYL-1,2-BENZANTHRACENE *
TXDS: scu-rat TDLo:40 mg/kg TFX:NEO AIMSA2 2,193,38
scu-mus TDLo:80 mg/kg TFX:NEO AIMSA2 2,193,38

CX52500. BENZANTHRENE see:CV92750 BENZ(a)ANTHRACENE

CX55000. BENZ(a)ANTHRACEN-8-YL CARBAMIDE, 7-METHYL-
MW: 285.36 MOLFM: N-O-C20-H15
SYN: 10-METHYL-1,2-BENZANTHRACENE-5-CARBONAMIDE *
TXDS: scu-mus TDLo:4 mg/kg TFX:NEO JNCIAM 1,45,40

CX55500. 1,2-BENZANTHRAZEN (German) see:CV92750 BENZ(a)ANTHRACENE

CX57750. 1,2-BENZANTHRYL-3-CARBAMIDOACETIC ACID see:MB78750 GLYCINE, N-(BENZ(a)ANTHRACEN-5-YL CARBAMOYL

CX58600. 1,2-BENZANTHRYL-10-CARBAMIDOACETIC ACID see:MB79000 GLYCINE, N-(BENZ(a)ANTHRACEN-7-YLCARBAMOYL)-

CX59500. 1,2-BENZANTHRYL-10-ISOCYANATE see:NQ82250 ISOCYANIC ACID, BENZ(a)ANTHRACEN-7-YL ESTER

CX61250. 1,2-BENZANTHRYL-10-MERCAPTAN see:CX35000 BENZ(a)ANTHRACENE-7-THIOL

CX63000. 1,2-BENZANTHRYL-10-METHYLMERCAPTAN see:CW82250 BENZ(a)ANTHRACENE-7-METHANETHIOL

CX78750. 1-BENZAZOLE see:NL24500 INDOLE

CX84000. 1,2 BENZCARBAZOLE
TXDS: skn-mus TDLo:14.5 gm/kg/150D TFX:CAR HSZPAZ 236,79,35

CX87500. 15,16-BENZDEHYDROCHOLANTHRENE see:HM98000 DIBENZ(a,j)ACEANTHRYLENE

CX97500. BENZEEN (Dutch) see:CY14000 BENZENE

CX97750. BENZEN (Polish) see:CY14000 BENZENE

CY03500. BENZENAMINE, N,N-DIMETHYL-4-((3-METHYLPHENYL)AZO)-
CAS: 000055801 MW: 239.35 MOLFM: N3-C15-H17
WLN: 1N1&R DNUNR C
SYN: ANILINE, N,N-DIMETHYL-p-(m-TOLYLAZO)- * 4-(N,N-DIMETHYLAMINO)-3'-METHYLAZOBENZENE * N,N-DIMETHYL-p-(m-TOLYLAZO)ANILINE * MDAB * 3'-MDAB * 3'-METHYLBUTTERGELB (German) * 3'METHYL-DAB * 3'-METEYL-4-DIMETHYLAMINOAZOBENZEN (Czech) * 3'-METHYL-4-DIMETHYLAMINOAZOBENZENE * 3 3'-METHYLDIMETHYLAMINOAZOBENZOL (German) *
TXDS: orl-rat LDLo:1500 mg/kg 28ZPAK -,236,72
orl-rat TDLo:2160 mg/kg/17WC TFX:CAR JMCMAR 11,1074,68
orl-ham TDLo:11.6 gm/kg/38WC TFX:NEO ARPAAQ 71,566,61

CY05250. BENZENAMINE, N,N-DIMETHYL-4-(2-PHENYLETHENYL)-, (Z)-
MW: 223.34 MOLFM: N-C16-H17
WLN: 1N1&R D1U1R -T
SYN: trans-4-DIMETHYLAMINOSTILBENE * trans-N,N-DIMETHYL-4-STILBENAMINE * 4-STILBENAMINE, trans-N,N-DIMETHYL- *
TXDS: orl-rat TDLo:490 mg/kg/28WC TFX:CAR BJCAAI 22,133,68
orl-rat TDLo:240 mg/kg/20WI TFX:CAR ZEKBAI 74,200,70

CY07000. BENZENAMINE, 4-((4-FLUOROPHENYL)AZO)-N,N-DIMETHYL-
CAS: 000150743 MW: 243.31 MOLFM: N3-F-C14-H14
WLN: FR DNUNR DN1&1
SYN: ANILINE, N,N-DIMETHYL-p((p-FLUOROPHENYL)AZO)- * ANILINE, p-((p-FLUOROPHENYL)AZO)-N,N-DIMETHYL- * AZOBENZENE, 4-(DIMETHYLAMINO)-4'-FLUORO- * 4'-FLUORO-N,N-DIMETHYL-4-AMINOAZOBENZENE * 4'-FLUORO-p-DIMETHYLAMINOAZOBENZENE * 4'-FLUORO-4-DIMETHYLAMINOAZOBENZENE * p-((p-FLUOROPHENYL)AZO)-N, N-DIMETHYLANILINE *
TXDS: orl-rat TDLo:2900 mg/kg/14WC TFX:CAR CNREA8 28,1703,68

CY10500. BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-
CAS: 000101144 MW: 267.17 MOLFM: N2-C12-C13-H12
WLN: ZR BG D1R DZ CG
SYN: ANILINE, 4,4'-METHYLENEBIS[2-CHLORO- * 3,3'-DICHLOR-4,4'-DIAMINODIPHENYLMETHAN (German) * 3,3'-DICHLORO-4,4'-DIAMINODIPHENYLMETHANE * 4,4'-METHYLENE(BIS)-CHLOROANILINE * METHYLENE 4,4'-BIS(o-CHLOROANILINE) * p,p'-METHYLENEBIS(alpha-CHLOROANILINE) * 4,4'-METHYLENEBIS(o-CHLOROANILINE) * 4,4'-METHYLENEBIS(2-CHLOROANILINE) * MOCA *
TXDS: orl-rat TDLo:420 gm/kg/80W TFX:CAR TXAPA9 31,159,75
scu-rat TDLo:2500 mg/kg/88WI TFX:CAR NATWAY 58,578,71
U.S. OCCUPATIONAL STANDARD OSOS-carcinogen FEREAC 39,3756,74

CY14000. BENZENE
CAS: 000071432 MW: 78.06 MOLFM: C6-H6
WLN: R
SYN: BENZEN (Polish) * BENZOL * BENZOLE * BENZEEN (Dutch) * BENZOLO (Italian) * COAL NAPHTHA * CYCLOHEXATRIENE * FENZEN (Czech) * PHENE * PHENYL HYDRIDE * PYROBENZOL *
TXDS: ihl-hmn LCLo:20000 ppm/5M 29ZUA8 -,-,53
ihl-hmn TCLo:210 ppm TFX:BLD 27ZXA3 -,341,63
orl-rat LD50:3800 mg/kg TXAPA9 19,699,71
ihl-rat LC50:10000 ppm/7H 28ZRAQ -,113,60
ipr-rat LDLo:1150 mg/kg TXAPA9 1,156,59
orl-mus LD50:4700 mg/kg HYSAAV 32,349,67
skn-mus TDLo:1232 mg/kg/52W TFX:CAR BJCAAI 16,275,62
ipr-mus LD50:468 mg/kg SCCUR* -,1,61
orl-dog LDLo:2000 mg/kg HBAMAK 4,1313,35
ipr-gpg LDLo:530 mg/kg 27ZRAJ 1,-,56
scu-frg LDLo:1400 mg/kg HBAMAK 4,1313,35
U.S. OCCUPATIONAL STANDARD OSOS-air:TWA 10 ppm; CL 25 ppm; PFEREAC 37,22139,72

CY17500. BENZENE, (ACETOXYMERCURI)- see:OV64750 MERCURY, (ACETATO)PHENYL-

CY19250. BENZENE, (ACETOXYMERCURIO)- see:OV64750 MERCURY, (ACETATO)PHENYL-

CY28000. BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-
CAS: 000094597 MW: 162.20 MOLFM: O2-C10-H10
WLN: T56 BO DO CHJ G2U1
SYN: ALLYLCATECHOL METHYLENE ETHER * ALLYLDIOXYBENZENE METHYLENE ETHER * 1-ALLYL-3,4-METHYLENEDIOXYBENZENE * 4-ALLYL-1,2-METHYLENEDIOXYBENZENE * 4-ALLYL-1,2-(METHYLENEDIOXY)-BENZENE * m-ALLYLPYROCATECHIN METHYLENE ETHER * 4-ALLYLPYROCATECHOL FORMALDEHYDE ACETAL * ALLYLPYROCATECHOL METHYLENE ETHER * 1,2-METHYLENEDIOXY-4-ALLYLBENZENE * 3,4-METHYLENEDIOXY-ALLYBENZENE * SAFROL * SAFROLE * SAFROLE MF * SHIKIMOLE * SHIKOMOL *
TXDS: orl-rat LD50:1950 mg/kg TXAPA9 7,18,65
orl-rat TDLo:182 gm/kg/2YC TFX:CAR ARPAAQ 75,595,63
orl-mus LD50:2350 mg/kg FCTXAV 2,327,64
orl-mus TDLo:132 gm/kg/81WIC TFX:CAR JNCIAM 42,1101,69
ipr-mus LDLo:64 mg/kg CBCCT* 1,46,49
orl-rbt LDLo:1000 mg/kg AEXPBL 35,342,1895

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              scu-rbt LDLo:1000 mg/kg                                  AEXPBL 35,342,1895
              ivn-rbt LDLo:200 mg/kg                                   AEXPBL 35,342,1895

CY64750. BENZENEARSONIC ACID, p-UREIDO-    see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

CY68250. 4-BENZENEAZOANILINE    see:BY82250 ANILINE, p-(PHENYLAZO)-

CY70000. BENZENEAZO-2-ANTHROL    see:CB89250 2-ANTHROL, 1-(PHENYLAZO)-

CY71750. BENZENEAZOBENZENE    see:CN14000 AZOBENZENE

CY73500. BENZENE, AZODI    see:CN14000 AZOBENZENE

CY75250. BENZENEAZODIMETHYLANILINE    see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

CY77000. BENZENE-1-AZO-2-NAPHTHOL    see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

CY78750. 1-BENZENE-AZO-beta-NAPHTHYLAMINE    see:SR43750 PHENYLAZO-2-NAPHTHYLAMINE

CY80500. BENZENE, AZOXYDI-    see:CO40250 AZOXYBENZENE

CZ45500. BENZENE, p-DICHLORO-
          CAS: 000106467     MW: 146.94          MOLFM: Cl2-C6-E4
          WLN: GR DG
          SYN: p-DICHLORBENZOL (German)   * 1,4-DICHLOR-BENZOL (German)   * DI-CHLORICIDE
                * p-DICHLOORBENZEEN (Dutch)   * 1,4-DICHLOORBENZEEN (Dutch)   * p-
               DICHLOROBENZENE   * 1,4-DICHLOROBENZENE   * 1,4-DICLOROBENZENE (Italian)
                * p-DICLOROBENZENE (Italian)   * PARACIDE   * PARADI   * PARADICHLOROBENZENE
                * PARADOW   * PARAMOTH   * PDB   * SANTOCHLOR   *
          TXDS: orl-hmn TDLo:300 mg/kg TFX:UNS                          PCOC** -,851,-
                scu-mus TDLo:142 mg/kg/I TFX:CAR                        JPBAA7 54,321,42
                orl-rat LD50:500 mg/kg                                  WRPCA2 9,119,70
                orl-mus LD50:2950 mg/kg                                 GUCHAZ 6,183,73
                orl-gpg LDLo:2800 mg/kg                                 14CYAT -,1338,63
          U.S. OCCUPATIONAL STANDARD USOS-air:TWA 75 ppm                PEREAC 37,22139,72

CZ61250. BENZENE, p-DIHYDROXY-    see:HX35000 HYDROQUINONE

CZ84000. p-BENZENEDIOL    see:HX35000 HYDROQUINONE

CZ89250. 1,4-BENZENEDIOL    see:HX35000 HYDROQUINONE

CZ96250. BENZENE, (EPOXYETHYL)-
          CAS: 000096093     MW: 120.08          MOLFM: O-C8-H8
          WLN: T3OTJ BR
          SYN: EPOXYETHYLBENZENE   * 1,2-EPOXYETHYLBENZENE   * EPOXYSTYRENE   * OXIRANE,
                PHENYL-   * PHENETHYLENE OXIDE   * PHENYLETHYLENE OXIDE   * 2-PHENYLOXIRANE
                * STYRENE EPOXIDE   * STYRENE OXIDE   *
          TXDS: orl-rat LD50:4290 mg/kg                                 AMIHBC 10,61,54
                ihl-rat LCLo:500 ppm/4H                                 AMIHBC 10,61,54
                ipr-rat LD50:460 mg/kg                                  TXAPA9 18,321,71
                ihl-mus TDLo:96 mg/kg TFX:NEO                           HARSAM 3,193,63
                skn-mus TDLo:74 gm/kg/62WI TFX:NEO                      JNCIAM 31,41,63
                skn-rbt LD50:1060 mg/kg                                 AMIHBC 10,61,54

DA15750. BENZENE HEXACHLORIDE-alpha-isomer    see:GV35000 CYCLOHEXANE, 1,2,3,4,5,6-
         HEXACHLORO-, alpha-isomer

DA16400. BENZENEHEXACHLORIDE, mixed isomers    see:GV49500 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-,
         (mixed isomers)

DA17500. trans-alpha-BENZENEHEXACHLORIDE    see:GV43750 CYCLOHEXANE, 1,2,3,4,5,6-
         HEXACHLORO-, beta-isomer

DA19250. alpha-BENZENEHEXACHLORIDE    see:GV35000 CYCLOHEXANE, 1,2,3,4,5,6-
         HEXACHLORO-, alpha-isomer

DA21000. beta-BENZENEHEXACHLORIDE    see:GV43750 CYCLOHEXANE, 1,2,3,4,5,6-
         HEXACHLORO-, beta-isomer

DA26250. BENZENE HEXACHLORIDE-gamma-isomer    see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-,
         gamma-isomer

DA28000. gamma BENZENE HEXACHLORIDE    see:GV49000 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

DA33250. BENZENE, HYDRAZODI-    see:HW26250 HYDRAZOBENZENE

DA59500. BENZENE, 1,2-(METHYLENEDIOXY)-4-PROPENYL-
          CAS: 000120581     MW: 162.20          MOLFM: O2-C10-H10
          WLN: T56 BO DO CRJ G1U2
          SYN: ISOSAFROLE   * 1,2-METHYLENEDIOXY-4-PROPENYLBENZENE   * 3,4-METHYLENEDIOXY-
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1-PROPENYL BENZENE * 4-PROPENYL-1,2-METHYLENEDIOXYBENZENE *
TXDS: orl-rat LD50:1340 mg/kg TXAPA9 7,18,65
orl-mus LD50:2470 mg/kg FCTXAV 2,327,64
orl-mus TDLo:61 gm/kg/81WIC TFX:CAR JNCIAM 42,1101,69
ipr-mus LDLo:256 mg/kg CBCCT* 1,45,49

DA61250. BENZENE, 1,2-METHYLENEDIOXY-4-PROPYL
CAS: 000094586 MW: 164.12 MOLFM: O2-C10-H12
WLN: T56 BO DO CHJ G3
SYN: DIHYDROSAFROLE * 1,2-(METHYLENEDIOXY)-4-PROPYLBENZENE * 4-PROPYL-1,2-METHYLENEDIOXYBENZENE * SAFROLE, DIHYDRO- *
TXDS: orl-rat LD50: 2260 mg/kg TXAPA9 7,18,65
orl-mus LD50:3700 mg/kg TXAPA9 7,18,65
orl-mus TDLo:163 gm/kg/81WIC TFX:CAR JNCIAM 42,1101,69

DA66500. BENZENE, PENTACHLORONITRO-
CAS: 000082688 MW: 295.32 MOLFM: N-O2-C15-C6
WLN: WNR-/G 5
SYN: AVICOL * BATRILEX * BOTRILEX * BRASSICOL * FARTOX * FOLOSAN * FOMAC 2 * GC 3944-3-4 * KOBUTOL * KP 2 * OLPISAN * PCNB * PENTACHLORONITROBENZENE * QUINTOCENE * QUINTOZENE * TERRACHLOR * TERRACLOR * TERRAFUN * TILCAREX * TRITISAN *
TXDS: orl-rat LD50:1650 mg/kg WRPCA2 9,119,70
orl-mus TDLo:135 gm/kg/77WIC TFX:CAR JNCIAM 42,1101,69
skn-mus TDLo:460 mg/kg/12WI TFX:NEO CNREA8 26,12,66
unk-mam LD50:1650 mg/kg 30ZDA9 -,82,71

DA91000. BENZENESULFANILIDE see:DB35000 BENZENESULFONANILIDE

DA94500. BENZENESULFONAMIDE, p-AMINO- see:WO84000 SULFANILAMIDE

DA96250. BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-
CAS: 000144832 MW: 249.31 MOLFM: N3-O2-S-C11-H11
WLN: T6NJ BMSWR DZ
SYN: ADIPLON * COCCOCLASE * DAGENAN * EUBASIN * EUBASINUM * HAPTOCIL * M+B 693 * PIRIDAZOL * PLURAZOL * N-2-PYRIDYLSULFANILAMIDE * N(sup 1)-2-PYRIDYLSULFANILAMIDE * RELBAPIRIDINA * RONIN * SEPTIPULMON * STREPTOSILPYRIDINE * SULFANILAMIDE, N(sup 1)-2-PYRIDYL- * 2-SULFANILAMIDOPYRIDINE * SULFAPYRIDINE * 2-SULFAPYRIDINE * SULPIDINE * THIOSEPTAL * TRIANON *
TXDS: scu-rat TDLo:135 mg/kg/9WI TFX:NEO PSEBAA 68,330,48

DA98000. BENZENESULFONAMIDE, p-((4-AMINO-m-TOLYL)AZO)-
MW: 290.37 MOLFM: N4-O2-S-C13-H14
SYN: 4-SULFONAMIDO-3'-METHYL-4'-AMINOAZOBENZENE *
TXDS: orl-rat TDLo:12 gm/kg/56WC TFX:CAR BJCAAI 10,129,56

DB01750. BENZENESULFONAMIDE, N-4-BIPHENYLYL-
MW: 237.34 MOLFM: N-O2-S-C12-H15
SYN: N-4-BIPHENYLYLBENZENESULFONAMIDE *
TXDS: ipr-rat TDLo:276 mg/kg/4WI TFX:NEO CNREA8 30,1485,70

DB03500. BENZENESULFONAMIDE, N-4-BIPHENYLYL-N-HYDROXY-
MW: 321.36 MOLFM: N-O3-S-C18-H11
WLN: WSR&NQR DR
SYN: N-4-BIPHENYLYL-N-HYDROXYBENZENESULFONAMIDE * HYDROXY-HYDROXY-4-BIPHENYLYLBENZENESULFONAMIDE *
TXDS: ipr-rat TDLo:276 mg/kg/4WI TFX:CAR CNREA8 30,1485,70

DB21000. BENZENESULFONAMIDE, p-((p-(DIMETHYLAMINO)PHENYL)AZO)-
MW: 304.40 MOLFM: N4-O2-S-C14-H16
SYN: 4-SULFONAMIDE-4'-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:12 gm/kg/56WC TFX:CAR BJCAAI 10,129,56

DB26250. BENZENESULFONAMIDE, 2-FLUORENYL-N-HYDROXY-
CAS: 026630604 MW: 337.41 MOLFM: N-O3-S-C19-H15
WLN: L B656 HHJ ENQSWR
SYN: N-HYDROXY-2-FLUORENYLBENZENESULFONAMIDE *
TXDS: ipr-rat TDLo:280 mg/kg/4WI TFX:CAR CNREA8 30,1485,70

DB35000. BENZENESULFONANILIDE
CAS: 001678257 MW: 233.29 MOLFM: N-O2-S-C12-H11
WLN: WSR&MR
SYN: BENZENESULFANILIDE *
TXDS: ipr-rat TDLo:540 mg/kg/4W TFX:NEO CNREA8 30,1485,70

DB38500. BENZENESULFONANILIDE, N-HYDROXY-
CAS: 007340503 MW: 249.30 MOLFM: N-O3-S-C12-H11
WLN: WSR&NQR
SYN: N-HYDROXYPHENYLBENZENESULFONAMIDE *
TXDS: ipr-rat TDLo:540 mg/kg/4W TFX:NEO CNREA8 30,1485,70

DB70000. BENZENESULFONIC ACID, p-((4-(5-((2-HYDROXYETHYL)SULFONYL)-2-METHOXYPHENYL)AZO)-5-HYDROXY-3-METHYLPYRAZOL-1-YL)-3-CHLORO-5-METHYL-, HYDROGEN SULFATE (ester), DISODIUM SALT
MW: 659.07 MOLFM: N4-O11-S3-Cl-C19-H21 .2Na
SYN: REMAZOL YELLOW G *
TXDS: scu-rat TDLo:25 gm/kg/98WI TFX:NEO VOONAW 13,53,67
scu-mus TDLo:20 mg/kg/YI TFX:NEO VOONAW 13,53,67

DB70850. BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT
CAS: 000523444 MW: 351.35 MOLFM: N2-O4-S-C16-H12 .Na
WLN: L66J BQ ENUNR DSWQ &-NA-
SYN: ACID LEATHER ORANGE I * ACID ORANGE I * A.F. ORANGE NO. 1 * AIZEN ORANGE I * CERTIQUAL ORANGE I * C.I. 14600 * C.I. ACID ORANGE 20 * DYE ORANGE NO. 1 * ENIACID ORANGE I * EXT. D and C ORANGE NO. 3 * FD and C ORANGE NO. 1 * HISPACID ORANGE 1 * JAVA ORANGE I * NAPHTHALENE ORANGE I * NAPHTHOL ORANGE * alpha-NAPHTHOL ORANGE * NEKLACID ORANGE 1 * 1333 ORANGE * ORANGE I * ORANGE I EXTRA CONC. A EXPORT * ORANGE IN * SODIUM AZO-alpha-NAPHTHOLSULFANILATE * 4-p-SULFOPHENYLAZO-1-NAPHTHOL MONOSODIUM SALT * TERTRACID ORANGE I * TROPAEOLIN OOO NO. 1 *
TXDS: ipr-rat LD50:1000 mg/kg DFSGA8 6,-,57
scu-rat TDLo:9400 mg/kg/2YI TFX:NEO FEPRA7 16,367,57

DB83050. BENZENESULFONIC ACID, 5,5',6''-TRIHYDROXY-2,2',3''-METHYLIDYNETRI-, TRISODIUM SALT
see:BQ44250 AMMONIUM, ETHYL(4-(alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)-4-HYDROXY-3-SULFOBENZYLIDENE-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE INNER SALT, DISODIUM SALT

DB96250. BENZENE, 1,2,3,4-TETRACHLORO-5-NITRO-
MW: 260.88 MOLFM: N-O2-Cl4-C6-R
WLN: WNR BG CG DG EG
SYN: DB-905 * FOLSAN * FUSAREX * 1,2,3,4-TETRACHLORO-5-NITROBENZENE * 2,3,4,5-TETRACHLORONITROBENZENE *
TXDS: unk-mam LD50:250 mg/kg 30ZDA9 -,82,71
skn-mus TDLo:460 mg/kg/12WI TFX:NEO CNREA8 26,12,66

DB98000. BENZENE, 1,2,3,5-TETRACHLORO-4-NITRO-
MW: 260.88 MOLFM: N-O2-Cl4-C6-H
SYN: 1,2,3,5-TETRACHLORO-4-NITROBENZENE * 2,3,4,6-TETRACHLORONITROBENZENE *
TXDS: skn-mus TDLo:460 mg/kg/12WI TFX:NEO CNREA8 26,12,66

DC01750. BENZENE, 1,2,4,5-TETRACHLORO-3-NITRO-
CAS: 000117180 MW: 260.88 MOLFM: N-O2-Cl4-C6-H
WLN: WNR BG CG EG FG
SYN: CHIPMAN 3,142 * FOLOSAN * FUSAREX * TCNB * TECNAZENE * 1,2,4,5-TETRACHLORO-3-NITROBENZENE * 2,3,5,6-TETRACHLORONITROBENZENE *
TXDS: skn-mus TDLo:460 mg/kg/12WI TFX:NEO CNREA8 26,12,66

DC12250. BENZENETHIOL, p-CHLORO- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:8000 mg/kg/20WI TFX:NEO CNREA8 19,413,59

DC64750. 3,4-BENZFLUORANTHENE see:CU17500 BENZ(e)ACEPHENANTHRYLENE

DC66500. 10,11-BENZFLUORANTHENE see:DF63000 BENZO(j)FLUORANTHENE

DC68250. BENZ(j)FLUOROANTHRENE see:DF63000 BENZO(j)FLUORANTHENE

DC69300. BENZHORMOVARINE see:KG40500 ESTRADIOL, 3-BENZOATE

DC95300. BENZIDIN (Czech) see:DC96250 BENZIDINE

DC95700. BENZIDINA (Italian) see:DC96250 BENZIDINE

DC96250. BENZIDINE
CAS: 000092875 MW: 184.26 MOLFM: N2-C12-H12
WLN: ZR DR DZ
SYN: BENZIDIN (Czech) * BENZIDINA (Italian) * BENZYDYNA (Polish) * BIPHENYL, 4,4'-DIAMINO- * 4,4'-BIPHENYLDIAMINE * C.I. AZOIC DIAZO COMPONENT 112 * 4,4'-DIAMINOBIPHENYL * p-DIAMINODIPHENYL * 4,4'-DIAMINODIPHENYL * 4,4'-DIPHENYLENEDIAMINE * FAST CORINTH BASE B *
TXDS: ihl-man TCLo:18 mg/m3/13YI TFX:CAR AEHLAU 27,1,73
orl-rat LD50:309 mg/kg RMTH** -,24,72
orl-rat TDLo:4500 mg/kg/30DI TFX:CAR CNREA8 28,924,68
scu-rat TDLO:2100 mg/kg/35WI TFX:CAR CANCAR 3,789,50
orl-mus LD50:214 mg/kg RMTH** -,24,72
scu-mus TDLo:8 gm/kg/35WI TFX:CAR VOONAW 17,61,71
scu-dog LDLo:400 mg/kg 12VXA5 8,130,68
U.S. OCCUPATIONAL STANDARD OSOS-carcinogen FEREAC 39,3756,74

DC99000. BENZIDINE, mixed with 4-BIPHENYLAMINE, 4-NITROBIPHENYL, and 2-NAPHTHYLAMINE (1:1:1:1)
TXDS: orl-dog TDLo:2080 mg/kg/2.5YI TPX:CAR IMSUAI 34,640,65

DD01750. 3,3'-BENZIDINEDICARBOXYLIC ACID see:DV33250 3,3'-BIPHENYLDICARBOXYLIC ACID, 4,4'-DIAMINO-

DD03500. 3,3'-BENZIDINE DICARBOXYLIC ACID, DISODIUM SALT see:DV38500 3,3'-BIPHENYLDICARBOXYLIC ACID, 4,4'-DIAMINO-, DISODIUM SALT

DD05250. BENZIDINE, 3,3'-DICHLORO-
CAS: 000091941 MW: 253.02 MOLFM: N2-C12-C12-H10
WLN: ZR BG DR DZ CG
SYN: C.I. 23060 * 4,4'-DIAMINO-3,3'-DICHLOROBIPHENYL * 3,3'-DICHLORBENZIDIN (Czech) * o,o'-DICHLOROBENZIDINE * 3,3'-DICHLOROBENZIDINE * 3,3'-DICHLORO-4,4'-BIPHENYLDIAMINE * 3,3'-DICHLOROBIPHENYL-4,4'-DIAMINE * 3,3'-DICHLORO-4,4'-DIAMINOBIPHENYL *
TXDS: orl-rat LDLo:4740 mg/kg 28ZPAK -,98,72
orl-rat TDLo:26 gm/kg/50W TPX:CAR TXAPA9 31,159,75
scu-rat TDLo:6.5 mg/kg/44wI TPX:CAR VOONAW 5,524,59
orl-ham TDLo:180 gm/70WC TPX:CAR PAACA3 10,78,69
U.S. OCCUPATIONAL STANDARD USOS-carcinogen PEREAC 39,3756,74

DD07000. BENZIDINE, 3,3'-DIHYDROXY- see:DV49000 3,3'-BIPHENYLDIOL, 4,4'-DIAMINO-

DD08750. BENZIDINE, 3,3'-DIMETHOXY-
CAS: 000119904 MW: 244.32 MOLFM: N2-O2-C14-H16
WLN: 1OR BZ E- 2
SYN: ACETAMINE DIAZO BLACK RD * ACETAMINE DIAZO NAVY RD * AMACEL DEVELOPED NAVY SD * AZOENE FAST BLUE BASE * AZOENE FAST BLUE SALT * AZOFIX BLUE B SALT * AZOGENE FAST BLUE B * AZOGENE FAST BLUE B SALT * BLUE BASE IRGA B * BLUE BASE NB * BLUE BN BASE * BLUE BN SALT * BLUE SALT NB * BRENTAMINE FAST BLUE B BASE * BRENTAMINE FAST BLUE B SALT * CELLITAZOL B * CELLITAZOL BN * CIBACETE DIAZO NAVY BLUE 2B * C.I. 24110 * C.I. AZOIC DIAZO COMPONENT 48 * C.I. AZOIC DIAZO COMPONENT 48, FAST BLUE B SALT * C.I. DISPERSE BLACK 6 * DIACELLITON FAST GREY G * DIACEL NAVY DC * o-DIANISIDIN (Czech, German) * o-DIANISIDINA (Italian) * DIANISIDINE * o-DIANISIDINE * DIATO BLUE BASE B * DIATO BLUE SALT B * DIAZO FAST BLUE B * 3,3'-DIMETHOXYBENZIDIN (Czech) * 3,3'-DIMETHOXYBENZIDINE * 3,3'-DIMETOSSIBENZODINA (Italian) * FAST BLUE B BASE * FAST BLUE BN SALT * FAST BLUE DSC BASE * FAST BLUE DS SALT * FAST BLUE SALT B * FAST BLUE SALT BN * HILTONIL FAST BLUE B BASE * HILTOSAL FAST BLUE B SALT * HINDASOL BLUE B SALT * KAKO BLUE B SALT * KAYAKU BLUE B BASE * KAYAKU BLUE B SALT * LAKE BLUE B BASE * MEISEI TERYL DIAZO BLUE HR * MITSUI BLUE B BASE * MITSUI BLUE B SALT * NAPHTHANIL BLUE B BASE * NATASOL BLUE B SALT * NEUTROSEL NAVY BN * SANYO FAST BLUE SALT B * SETACYL DIAZO NAVY R * SPECTROLENE BLUE B *
TXDS: orl-rat LD50:1920 mg/kg 28ZPAK -,119,72
orl-rat TDLo:13 gm/kg/52WI TPX:NEO GTPZAB 9,18,65
orl-ham TDLo:560 gm/kg/70WC TPX:NEO PAACA3 10,78,69

DD10500. BENZIDINE, 3,3'-DIMETHOXY-, DIHYDROCHLORIDE
CAS: 020325400 MW: 317.22 MOLFM: N2-O2-C14-H16 .2Cl-H
WLN: 1OR BZ E- 2 &GH &GH
SYN: C.I. DISPERSE BLACK 6 DIHYDROCHLORIDE * 3,3'-DIMETHOXYBENZIDINE DIHYDROCHLORIDE *
TXDS: orl-rat TDLo:1000 mg/kg/YI TPX:CAR JNCIAM 41,985,68

DD12250. BENZIDINE, 3,3'-DIMETHYL-
CAS: 000119937 MW: 212.32 MOLFM: N2-C14-H16
WLN: ZR B D- 2
SYN: 4,4'-BI-o-TOLUIDINE * C.I. 37230 * C.I. AZOIC DIAZO COMPONENT 113 * 4,4'-DIAMINO-3,3'-DIMETHYLBIPHENYL * 4,4'-DIAMINO-3,3'-DIMETHYLDIPHENYL * DIAMINODITOLYL * 3,3'-DIMETHYLBENZIDIN * 3,3'-DIMETHYLBENZIDINE * 3,3'-DIMETHYL-4,4'-BIPHENYLDIAMINE * 3,3'-DIMETHYLBIPHENYL-4,4'-DIAMINE * 3,3'-DIMETHYL-4,4'-DIPHENYLDIAMINE * 3,3'-DIMETHYLDIPHENYL-4,4'-DIAMINE * 4,4'-DI-o-TOLUIDINE * FAST DARK BLUE BASE B * o-TOLIDIN * 2-TOLIDINA (Italian) * 2-TOLIDIN (German) * TOLIDINE * o-TOLIDINE * 2-TOLIDINE * 3,3'-TOLIDINE *
TXDS: orl-rat LD50:404 mg/kg 28ZPAK -,71,72
orl-rat TDLo:2250 mg/kg/30DI TPX:CAR CNREA8 28,924,68
ipr-rat LDLo:125 mg/kg CPCCT* 6,64,54
scu-rat TDLo:2880 mg/kg/34WI TPX:CAR JNCIAM 45,283,70
imp-rat TDLo:4480 mg/kg/1YI TPX:CAR JNCIAM 45,283,70
ipr-mus LDLo:125 mg/kg CBCCT* 6,64,54

DD15750. BENZIDINE SULFATE
CAS: 000531862 MW: 280.32 MOLFM: N2-C12-H12 .O4-S
WLN: ZR DR DZ &.H2.S-O4
TXDS: orl-rat TDLo:2550 mg/kg/34WI TPX:CAR CANCAR 3,789,50
scu-rat TDLo:2475 mg/kg/33WI TPX:CAR CANCAR 3,789,50
U.S. OCCUPATIONAL STANDARD USOS-CARCINOGENS PEREAC 39,3756,74

DD20000. BENZILE (CLORURO DI) (Italian) see:XS89250 TOLUENE, alpha-CHLORO-

DD22750. BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER
CAS: 000510156 MW: 325.20 MOLFM: O3-C12-C16-H14
WLN: GR DXQR DG&VO2
SYN: AKAR * AKAR 338 * CHLORBENZILAT * CHLOROBENZILATE * COMPOUND 338 * 4,4'-DICHLOROBENZILIC ACID ETHYL ESTER * ENT 18,596 * ETHYL p,p'-DICHLOROBENZILATE * ETHYL 4,4'-DICHLOROBENZILATE * ETHYL 4,4'-DICHLORODIPHENYL GLYCOLLATE * ETHYL 4,4'-DICHLOROPHENYL GLYCOLLATE * ETHYL-2-HYDROXY-2,2-BIS(4-CHLOROPHENYL)ACETATE * G 338 * G 23992 * GEIGY 338 *
TXDS: orl-rat LD50:700 mg/kg WRPCA2, 9,119,70
ihl-mam LC50:500 ppm DCDS**
orl-mus LD50:729 mg/kg GUCHAZ 6,106,73
orl-mus TDLo:71 gm/kg/82WIC TFX:CAR JNCIAM 42,1101,69
unk-mus LD50:729 mg/kg 30ZDA9 -,141,71

DD63000. BENZIMIDAZOLE, 2-(BIS(2-CHLOROETHYL)AMINOMETHYL)-5,6-DIMETHYL-, HYDROCHLORIDE
MW: 336.7 MOLFM: N3-C12-C14-H14 .Cl-H
WLN: T56 BM DNJ C1N2G2G G H &GH
SYN: BENZIMIDAZOLE METHYLENE MUSTARD * BENZIMIDAZOLE MUSTARD * 2-(BIS(2-CHLOROETHYL)AMINOMETHYL)-5,5-DIMETHYLBENZIMIDAZOLE HYDROCHLORIDE * NSC-23892 *
TXDS: ipr-mus TDLo:12 mg/kg/4W TFX:CAR JNCIAM 36,915,66

DD85750. BENZIMIDAZOLE, 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-
CAS: 018463860 MW: 265.35 MOLFM: N5-C15-H15
WLN: T56 BM DNJ FNUNR DN1&1
SYN: 4-((p-(DIMETHYLAMINO)PHENYL)AZO)BENZIMIDAZOLE * N,N-DIMETHYL-p-(N,N-DIMETHYL-p-(4-BENZIMIDAZOLYLAZO)ANILINE *
TXDS: orl-rat TDLo:1100 mg/kg/9WC TFX:CAR JMCMAR 11,1074,68

DD94500. BENZIMIDAZOLE METHYLENE MUSTARD see:DD63000 BENZIMIDAZOLE, 2-(BIS(2-CHLOROETHYL)AMINOMETHYL)-5,6-DIMETHYL-, HYDROCHLORIDE

DD96250. BENZIMIDAZOLE MUSTARD see:DD63000 BENZIMIDAZOLE, 2-(BIS(2-CHLOROETHYL)AMINOMETHYL)5,6-DIMETHYL-, HYDROCHLORIDE

DE30500. BENZ(e)INDENO(1,2-b)INDOLE
CAS: 000200840 MW: 255.33 MOLFM: N-C19-H13
WLN: T E6 C5 B566 LM DHJ
SYN: 4,5-BENZO-2,3-1',2'-INDENOINDOLE (French) *
TXDS: scu-mus LDLo:40 mg/kg BAPEAG 42,3,55
scu-mus TDLo:120 mg/kg/9WI TFX:NEO BAPEAG 42,3,55

DE35000. BENZINOFORM see:PG49000 CARBON TETRACHLORIDE

DE42000. 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE
CAS: 000081072 MW: 183.19 MOLFM: N-O3-S-C7-H5
WLN: T56 BSWMVJ
SYN: ANHYDRO-o-SULFAMINEBENZOIC ACID * 1,2-BENZISOTHIAZOL-3(2H)-ONE 1,1-DIOXIDE * o-BENZOIC SULFIMIDE * o-BENZOSULFIMIDE * o-BENZOYL SULFIMIDE * 1,2-DIHYDRO-2-KETOBENZISOSULFONAZOLE * 2,3-DIHYDRO-3-OXOBENZISOSULFONAZOLE * GARANTOSE * GLUCID * GLUSIDE * BERMESETAS * SACCHARIN * SACCHARIN ACID * 550 SACCHARINE * SACCHARIN INSOLUBLE * SACCHARINE * SACCHARINOL * SACCHARINOSE * SACCHAROL * o-SULFOBENZIMIDE * o-SULFOBENZOIC ACID IMIDE *
TXDS: imp-mus TDLo:80 mg/kg TFX:NEO BJCAAI 11,212,57
orl-rat TDLo:1820 gm/kg/2Y TFX:CAR JAPMA8 40,583,51
orl-mus TDLo:1785 gm/kg/2Y TFX:CAR JPHAA3 40,583,51

DE47250. 1,2-BENZISOTHIAZOL-3(2H)-ONE 1,1-DIOXIDE see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

DE50750. BENZO(a)ANTHRACENE see:CV92750 BENZ(a)ANTHRACENE

DE53000. 1-BENZOAZO-2-NAPHTHOL see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

DE54250. BENZO(e)(2)BENZOPYRANO(4,3-b)INDOLE, 5-OXO-5,13-DIHYDRO-
CAS: 005100889 MW: 285.31 MOLFM: N-O2-C19-H11
SYN: 5,13-DIHYDRO-5-OXOBENZO(e)(2)BENZOPYRANO(4,3-b)INDOLE * 5-OXO-5H-BENZO(e)ISOCHROMENO(4,3-b)INDOLE * 5-OXO-5,13-DIHYDROBENZO(e)(2)BENZOPYRANO(4,3-b)INDOLE *
TXDS: scu-mus TDLo:77.4 mg/kg/13WI TFX:NEO SCIEAS 158,387,67

DE56000. BENZO(g)(2)BENZOPYRANO(4,3-b)INDOLE, 8-OXO-8,13-DIHYDRO-
MW: 285.31 MOLFM: N-O2-C19-H11
SYN: 8-OXO-8,13-DIHYDROBENZO(g)(2)BENZOPYRANO(4,3-b)INDOLE * 8-OXO-8H-ISOCHROMENO(4',3':4,5)PYRROLO(2,3-f)QUINOLINE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO SCIEAS 158,387,67

DE57750. BENZO(f)(1)BENZOTHIENO(3,2-b)QUINOLINE
CAS: 001491107
SYN: NAPHTHO(1,2-e)THIANAPHTHENO(3,2-b)PYRIDINE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO EJCAAH 4,219,68

DE59500. BENZO(h)(1)BENZOTHIENO(3,2-b)QUINOLINE
CAS: 001491094
WLN: T E6 D5 B666 CN KSJ
SYN: NAPHTHO(2,1-e)THIANAPHTHENO(3,2-b)PYRIDINE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO EJCAAH 4,219,68

DE61250. BENZO(e)(1)BENZOTHIOPYRANO(4,3-b)INDOLE
CAS: 000846355 MW: 285.37 MOLFM: N-S-C19-H11
WLN: T F6 C6 B566 ES MNJ
TXDS: scu-mus TDLo:60 mg/kg/13WI TFX:CAR JNCIAM 46,1257,71

DE63000. BENZO(e)(1)BENZOTHIOPYRANO(4,3-b)INDOLE, 6,13-DIHYDRO-
CAS: 010023253 MW: 287.39 MOLFM: N-S-C19-H13
WLN: T F6 C6 B566 ES MM DHJ
SYN: 6,13-DIHYDROBENZO(e)(1)BENZOTHIOPYRANO(4,3-b)INDOLE *
TXDS: scu-mus TDLo:60 mg/kg/13WI TFX:CAR JNCIAM 46,1257,71

DE63800. BENZO(1,2-b:4,5-b')BIS(1)BENZOTHIOPHENE, 6,12-DIMETHYL-
MW: 318.46 MOLFM: S2-C20-H14
SYN: 6,12-DIMETHYLBENZO(1,2-b:4,5-b')DITHIONAPHTHENE *
TXDS: scu-mus TDLo:80 mg/kg TFX:NEO JNCIAM 18,555,57

DE64300. BENZO(1,2-b:5,4-b')BIS(1)BENZOTHIOPHENE, 6,12-DIMETHYL-
MW: 318.46 MOLFM: S2-C20-H14
WLN: T E6 D6 B666 KS OS&&T&&J C M
SYN: 6,12-DIMETHYLBENZO(1,2-b:5,4-b')BIS(1)BENZOTHIOPHENE *
TXDS: scu-mus TDLo:80 mg/kg TFX:NEO JNCIAM 18,555,57

DE64750. BENZO BLUE see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-(3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

DE65200. BENZO BLUE BBA-CF see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

DE65800. BENZO BLUE BBW-CF see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

DE66500. BENZO BLUE 3BS see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-(3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

DE67350. BENZO BLUE GS see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

DE71000. 7H-BENZO(c)CARBAZOLE, 10-METHYL-
MW: 231.31 MOLFM: N-C17-H13
SYN: 6-METHYL-3,4-BENZOCARBAZOLE *
TXDS: scu-mus TDLo:120 mg/kg/12WI TFX:NEO BAPEAG 42,3,55

DE71400. 11H-BENZO(a)CARBAZOLE, 11-METHYL-
MW: 231.31 MOLFM: N-C17-H13
SYN: 9-METHYL-1:2-BENZOCARBAZOLE *
TXDS: skn-mus TDLo:275 mg/kg/23WI TFX:CAR CRSBAW 141,635,47

DE71750. 8,9-BENZO-gamma-CARBOLINE see:DK07000 11H-BENZO(g)PYRIDO(4,3-b)INDOLE

DE73000. BENZO-CHINON (German) see:DK26250 p-BENZOQUINONE

DE73500. BENZO(c)CHRYSENE
CAS: 000194694 MW: 278.36 MOLFM: C22-H14
WLN: L F6 C6 B666J
SYN: 1,2,5,6-DIBENZPHENANTHRENE *
TXDS: orl-mus TDLo:11 gm/kg/57WI TFX:NEO PRLBA4 129,439,40
skn-mus TDLo:2000 mg/kg/80WI TFX:NEO PRLBA4 129,439,40
scu-mus TDLo:1025 mg/kg/36WI TFX:NEO PRLBA4 129,439,40

DE75250. BENZO(g)CHRYSENE
CAS: 000196781 MW: 278.36 MOLFM: C22-H14
WLN: L C6 I6 B666J
SYN: 1,2,3,4-DIBENZOPHENANTHRENE * 1,2,3,4-DIBENZPHENANTHRENE *
TXDS: orl-mus TDLo:7100 mg/kg/36WI TFX:NEO PRLBA4 129,439,40
skn-mus TDLo:720 mg/kg/30WI TFX:CAR PRLBA4 129,439,40
scu-mus TDLo:1370 mg/kg/20WI TFX:NEO PRLBA4 129,439,40

DE84000. BENZO(j)CYCLOPENT(fg)ACEANTHRYLENE, 1,2,5,6-TETRAHYDRO-
CAS: 003570545 MW: 280.38 MOLFM: C22-H16
WLN: L E6 D6656 B5 2AB V&&&T&TJ
SYN: P-NORSTERANTHRENE * 1,2,5,6-TETRAHYDROBENZO(j)CYCLOPENT(fg)ACEANTHRYLENE

*
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:CAR NATWAY 53,583,66

DE85750. BENZO(a)CYCLOPENT(h)ANTHRACENE
MW: 268.37 MOLFM: C21-H16
WLN: L F5 D6 B666T&&&&J
SYN: 6,7-CYCLOPENTENO-1,2-BENZANTHRACENE *
TXDS: skn-mus TDLo:890 mg/kg/37WI TFX:CAR PRLBA4 117,318,35

DE86500. 1H-BENZO(a)CYCLOPENT(h)ANTHRACENE, 2,3-DIHYDRO-
MW: 268.37 MOLFM: C21-H16
WLN: L G5 D6 B666T&&&&J
SYN: 5:6-CYCLOPENTENO-1:2-BENZANTHRACENE *
TXDS: skn-mus TDLo:185 mg/kg/2WI TFX:CAR PRLBA4 117,318,35

DE87000. BENZO(de)CYCLOPENT(a)ANTHRACENE
CAS: 000198469 MW: 252.32 MOLFM: C20-H12
SYN: delta(sup 3)-DEHYDRO-3,4-TRIMETHYLENEISOBENZANTHRENE-2 *
TXDS: scu-mus TDLo:200 mg/kg TFX:NEO AJCAA7 36,211,39
imp-mus TDLo:500 mg/kg/40WI TFX:NEO JNCIAM 2,241,41

DF49480. BENZOESTROPOL see:KG40500 ESTRADIOL, 3-BENZOATE

DF52500. 2,3-BENZOFLUORANTHENE see:CU17500 BENZ(e)ACEPHENATHRYLENE

DF54250. 3,4-BENZOFLUORANTHENE see:CU17500 BENZ(e)ACEPHENATHRYLENE

DF56000. 7,8-BENZOFLUORANTHENE see:DF63000 BENZO(j)FLUORANTHENE

DF57750. 10,11-BENZOFLUORANTHENE see:DF63000 BENZO(j)FLUORANTHENE

DF58500. 11,12-BENZO(k)FLUORANTHENE see:DF63500 BENZO(k)FLUORANTHENE

DF59500. BENZO(b)FLUORANTHENE see:CU17500 BENZ(e)ACEPHENATHRYLENE

DF61250. BENZO(e)FLUORANTHENE see:CU17500 BENZ(e)ACEPHENATHRYLENE

DF63000. BENZO(j)FLUORANTHENE
CAS: 000205823 MW: 252.32 MOLFM: C20-H12
WLN: L D6 C6566 1A TJ
SYN: BENZ(j)FLUORANTHRENE * 10,11-BENZFLUORANTHENE * 7,8-BENZOFLUORANTHENE * 10,11-BENZOFLUORANTHENE * B(j)F * DIBENZO(a,jk)FLUORENE *
TXDS: skn-mus TDLo:288 mg/kg/24WI TFX:CAR CANCAR 12,1194,59

DF63500. BENZO(k)FLUORANTHENE
CAS: 000207089 MW: 252.32 MOLFM: C20-H12
SYN: 11,12-BENZO(k)FLUORANTHENE *
TXDS: skn-mus TDLo:2640 mg/kg/44WI TFX:NEO CANCAR 12,1194,59
scu-mus TDLo:72 mg/kg/9WI TFX:CAR AICCA6 19,490,63

DF64100. BENZOFOLINE see:KG40500 ESTRADIOL, 3-BENZOATE

DF92750. BENZO-GYNOESTRYL see:KG40500 ESTRADIOL, 3-BENZOATE

DF96250. BENZOHYDROQUINONE see:HX35000 HYDROQUINONE

DF98000. BENZOHYDROXAMIC ACID, N-4-BIPHENYLYL-
CAS: 026690777 MW: 272.34 MOLFM: N-O-C19-H14
WLN: RVNQR DR
SYN: N-4-BIPHENYLYLBENZOHYDROXAMIC ACID * N-HYDROXY-4-BIPHENYLBENZAMIDE *
TXDS: ipr-rat TDLo:540 mg/kg/4W TFX:CAR CNREA8 30,1485,70

DG01750. BENZOHYDROXAMIC ACID, N-FLUOREN-1-YL-
CAS: 029968647 MW: 301.36 MOLFM: N-O2-C20-H15
WLN: L B656 BHJ FNQVR
SYN: N-FLUOREN-1-YLBENZOHYDROXAMIC ACID * N-HYDROXY-1-FLUORENYLBENZAMIDE *
TXDS: ipr-rat TDLo:540 mg/kg/4W TFX:CAR CNREA8 30,1485,70

DG03500. BENZOHYDROXAMIC ACID, N-FLUOREN-2-YL-
CAS: 003671714 MW: 301.36 MOLFM: N-O2-C20-H15
WLN: L B656 BHJ ENQVR
SYN: N-FLUOREN-2-YLBENZOHYDROXAMIC ACID * N-HYDROXY-N-2-FLUORENYLBENZAMIDE *
TXDS: orl-rat TDLo:5800 mg/kg/24WI TFX:CAR CNREA8 30,1485,70
ipr-rat TDLo:540 mg/kg/4WI TFX:CAR CNREA8 27,1443,67

DG05250. BENZOHYDROXAMIC ACID, N-FLUOREN-2-YL-, ACETATE
MW: 343.40 MOLFM: N-O3-C22-H17
WLN: L B656 BHJ ENVR&OV1
SYN: N-ACETOXY-2-FLUORENYLBENZAMIDE * N-FLUOREN-2-YLBENZOHYDROXAMIC ACID, ACETATE *

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          TXDS: orl-rat TDLo:5300 mg/kg/22WI TFX:NEO                    CNREA8 30,1485,70

DG12250. BENZOIC ACID, m-AMINO-
          CAS: 000099058      MW: 137.15          MOLFM: N-O2-C7-H7
          WLN: ZR CVQ
          SYN: m-AMINOBENZOIC ACID   *
          TXDS: orl-rat TDLo:8400 mg/kg/84DI TFX:NEO                    APMIAL 26,447,49
                ipr-mus LDLo: 500     mg/kg                             CBCCT*  6,53,54

DG26250. BENZOIC ACID, 2-AMINO-3-HYDROXY-
          CAS: 000548936      MW: 153.08          MOLFM: N-O3-C7-H7
          WLN: ZR BQ FVQ
          SYN: ANTHRANILIC ACID, 3-HYDROXY-   *  3-HYDROXYANTHRANILIC ACID   *
          TXDS: scu-mus TDLo:2000 mg/kg/7WI TFX:CAR                     PGPKA8 14,12,69
                imp-mus TDLo:80 mg/kg TFX:NEO                           BJCAAI  11,212,57

DH40250. BENZOIC ACID, ester with N-METHYL-p-(PHENYLAZO)-N-PHENYLHYDROXYLAMINE
                          MW: 331.40          MOLFM: N3-O2-C20-H17
          WLN: RVON1&R DNUNR
          SYN: N-BENZOYLOXY-N-METHYL-4-AMINOAZOBENZENE   *
          TXDS: ipr-rat TDLo:60 mg/kg/3DI TFX:CAR                       CNREA8 27,1600,67
                scu-rat TDLo:750 mg/kg/12WI TFX:CAR                     CNREA8 27,1600,67

DH59500. BENZOIC ACID, PEROXIDE     see:DM85750 BENZOYL PEROXIDE

DI14000. o-BENZOIC SULFIMIDE     see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

DI15800. 4,5-BENZO-2,3-1',2'-INDENOINDOLE (French)     see:DE30500 BENZ(e)INDENO(1,2-b)INDOLE

DI19250. BENZOL     see:CY14000 BENZENE

DI19750. BENZOLE     see:CY14000 BENZENE

DI22300. BENZO(a)NAPHTHO(8,1,2-cde)NAPHTHACENE
          CAS: 000192701      MW: 352.44          MOLFM: C28-H16
          TXDS: scu-mus TDLo:72 mg/kg/9WI TFX:NEO                       COREAF 266,301,68

DI22750. BENZO(h)NAPHTHO(1,2-f)QUINOLINE
          CAS: 000196792      MW: 279.35          MOLFM: N-C21-H13
          WLN: T C6 I6 B666 GNJ
          SYN: PYRIDO(3',2':5,6)CHRYSENE   *
          TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO                      COREAF 258,3387,64

DI23500. BENZO(b)NAPHTHTHO(2,3-d)THIOPHENE, 6,11-DIMETHYL-
                          MW: 258.41          MOLFM: S-C18-H14
          SYN: 4,9-DIMETHYL-2,3-BENZTHIOPHANTHRENE   *
          TXDS: skn-mus TDLo:44 mg/kg/11WI TFX:NEO                      XPHPAW 149,477,51

DI57750. BENZO(rst)PENTAPHENE
          CAS: 000189559      MW: 302.38          MOLFM: C24-H14
          WLN: L D6 B66 P666 2AB A&J
          SYN: DB(a,i)P   *  DIBENZO(a,i)PYRENE   *  DIBENZ(a,i)PYRENE   *  1,2,7,8-DIBENZOPYRENE
               *  3,4:9,10-DIBENZOPYRENE   *  3,4:9,10-DIBENZPYRENE   *
          TXDS: skn-mus TDLo:80 mg/kg/44WI TFX:CAR                      IJMRAQ 53,638,65
                ipr-mus TDLo:42 mg/kg TFX:NEO                           PJCAAI 20,127,66
                scu-mus TDLo:1000 ug/kg TFX:CAR                         PEXTAR 11,384,69
                scu-ham TDLo:2 mg/kg TFX:CAR                            NATUAS 203,308,64
                itr-ham TDLo:40 mg/kg/8WI TFX:CAR                       ZEKBAI 82,175,74

DI59500. BENZO(rst)PENTAPHENE-5-CARBOXALDEHYDE
                          MW: 330.39          MOLFM: O-C25-H14
          SYN: 5-FORMYL-3,4:9,10-DIBENZOPYRENE   *
          TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO                      COREAF 252,1711,61

DI61250. BENZO(rst)PENTAPHENE-5-CARBOXALDEHYDE, 8-METHYL-
                          MW: 344.42          MOLFM: O-C26-H16
          SYN: 5-FORMYL-8-METHYL-3,4:9,10-DIBENZOPYRENE   *  8-METHYLBENZO(rst)PENTAPHENE-
               5-CARBOXALDEHYDE   *
          TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO                      COREAF 252,1711,61

DI61550. BENZO(r,s,t)PENTAPHENE, 5-METHYL-
                          MW: 316.41          MOLFM: C25-H16
          SYN: 5-METHYL-3,4,9,10-DIBENZPYRENE (French)   *
          TXDS: scu-mus TDLO:72 mg/kg/12WI TFX:NEO                      CRSSAF 244,273,57

DI62500. BENZO(ghi)PERYLENE, METHYL-
                          MW: 290.37          MOLFM: C23-H14
          SYN: METHYL-1,12-BENZOPERYLENE   *
          TXDS: scu-mus TDLo:24 mg/kg TFX:NEO                           COREAF 245,991,57
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DI63000. BENZO(a)PHENALENO(1,9-hi)ACRIDINE
CAS: 000190078 MW: 353.43 MOLFM: N-C27-H15
WLN: T I6 F6 D6 B6666 2AB E& ENJ
SYN: BENZO(c)PHENALENO(1,9-i,j)ACRIDINE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO BUCABS 52,49,65

DI64750. BENZO(a)PHENALENO(1,9-i,j)ACRIDINE see:DI68250 BENZO(h)PHENALENO(1,9-bc)ACRIDINE

DI66500. BENZO(c)PHENALENO(1,9-i,j)ACRIDINE see:DI63000 BENZO(a)PHENALENO(1,9-hi)ACRIDINE

DI68250. BENZO(h)PHENALENO(1,9-bc)ACRIDINE
CAS: 000190034 MW: 353.43 MOLFM: N-C27-H15
WLN: T G6 F6 D6 B6666 2AB E& ENJ
SYN: BENZO(a)PHENALENO(1,9-i,j)ACRIDINE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO BUCABS 52,49,65

DI70000. BENZO(a)PHENALENO(1,9-hi)ACRIDINE, 7-METHYL-
CAS: 001492553 MW: 367.46 MOLFM: N-C28-H17
SYN: 7-METHYLBENZO(a)PHENALENO(1,9-hi)ACRIDINE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO BUCABS 52,49,65

DI71750. BENZO(h)PHENALENO(1,9-bc)ACRIDINE, 7-METHYL-
CAS: 001492542 MW: 367.46 MOLFM: N-C28-H17
SYN: 7-METHYLBENZO(h)PHENALENO(1,9-bc)ACRIDINE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO BUCABS 52,49,65

DI73500. 1,2-BENZOPHENANTHRENE see:GC07000 CHRYSENE

DI75250. 2,3-BENZOPHENANTHRENE see:CV92750 BENZ(a)ANTHRACENE

DI77000. 3,4-BENZOPHENANTHRENE see:DI82250 BENZO(c)PHENANTHRENE

DI78750. BENZO(a)PHENANTHRENE see:CV92750 BENZ(a)ANTHRACENE

DI80500. BENZO(b)PHENANTHRENE see:CV92750 BENZ(a)ANTHRACENE

DI82250. BENZO(c)PHENANTHRENE
CAS: 000195197 MW: 228.30 MOLFM: C18-H12
WLN: L C6 B666J
SYN: 3,4-BENZOPHENANTHRENE * 3,4-BENZPHENANTHRENE *
TXDS: skn-mus TDLo:1220 mg/kg/51WI TFX:CAR PRLBA4 129,439,40

DI84000. BENZO(def)PHENANTHRENE see:DR24500 PYRENE

DI85750. BENZO(c)PHENANTHRENE, 5-ETHYL-
MW: 257.37 MOLFM: C20-H17
SYN: 2-ETHYL-3:4-BENZPHENANTHRENE *
TXDS: skn-mus TDLo:735 mg/kg/31 WI TFX:CAR PRLBA4 129,439,40

DI87500. BENZO(c)PHENANTHRENE, 5-ISOPROPYL-
MW: 270.39 MOLFM: C21-H18
SYN: 2-ISOPROPYL-3:4-BENZPHENANTHRENE *
TXDS: skn-mus TDLo:970 mg/kg/40WI TFX:CAR PRLBA4 129,439,40
scu-mus TDLo:2900 mg/kg/43WI TFX:NEO PRLBA4 129,439,40

DI89250. BENZO(c)PHENANTHRENE, 2-METHYL-
MW: 242.19 MOLFM: C19-H14
SYN: 6-METHYL-3:4-BENZPHENANTHRENE *
TXDS: skn-mus TDLo:2100 mg/kg/80WI TFX:NEO PRLBA4 129,439,40
scu-mus TDLo:4400 mg/kg/67WI TFX:NEO PRLBA4 129,439,40

DI91000. BENZO(c)PHENANTHRENE, 3-METHYL-
MW: 242.19 MOLFM: C19-H14
SYN: 7-METHYL-3:4-BENZPHENANTHRENE *
TXDS: skn-mus TDLo:1840 mg/kg/77WI TFX:CAR PRLBA4 129,439,40

DI92750. BENZO(c)PHENANTHRENE, 4-METHYL-
MW: 242.19 MOLFM: C19-H14
SYN: 8-METHYL-3:4-BENZPHENANTHRENE *
TXDS: skn-mus TDLo:1920 mg/kg/80WI TFX:NEO PRLBA4 129,439,40
scu-mus TDLo:2860 mg/kg/43WI TFX:NEO PRLBA4 129,439,40

DI94500. BENZO(c)PHENANTHRENE, 5-METHYL-
CAS: 000652040 MW: 242.19 MOLFM: C19-H14
WLN: L C6 B666J I
SYN: 5-METHYLBENZO(c)PHENANTHRENE * 2-METHYL-3,4-BENZPHENANTHRENE *
TXDS: orl-mus TDLo:5700 mg/kg/29WI TFX:NEO PRLBA4 129,439,40
skn-mus TDLo:1030 mg/kg/43WI TFX:CAR PRLBA4 129,439,40
scu-mus TDLo:1770 mg/kg/27WI TFX:CAR PRLBA4 129,439,40
ivn-mus TDLo:10 mg/kg TFX:NEO JNCIAM 1,225,40

DI96250. BENZO(c)PHENANTHRENE, 6-METHYL-
CAS: 002381342 MW: 242.19 MOLFM: C19-H14
SYN: 1-METHYL-3,4-BENZPHENANTHRENE * 6-METHYL-3,4-BENZPHENANTHRENE *
TXDS: orl-mus TDLo:5700 mg/kg/29WI TFX:NEO PRLBA4 129,439,60
skn-mus TDLo:775 mg/kg/32WI TFX:CAR PRLBA4 129,439,60

DI98000. BENZO(c)PHENANTHRENE, 7-METHYL-
MW: 242.19 MOLFM: C19-H14
SYN: 7-METHYL-3,4-BENZPHENANTHRENE *
TXDS: skn-mus TDLo:120 mg/kg/WI TFX:NEO PRLBA4 129,439,40

DI98500. BENZO(c)PHENANTHRENE, 8-METHYL-
MW: 242.33 MOLFM: C19-H14
WLN: L C6 B666J I
SYN: 2-METHYL-3,4-BENZPHENANTHRENE *
TXDS: skn-mus TDLo:200 mg/kg/17WI TFX:CAR PRLBA4 123,343,37
scu-mus TDLo:40 mg/kg TFX:NEO JNCIAM 1,225,40
ivn-mus TDLo:10 mg/kg TFX:NEO JNCIAM 1,225,40

DI98750. BENZO(b)PHENANTHRO(3,2-d)THIOPHENE, 7,13-DIMETHYL-
MW: 312.44 MOLFM: S-C22-H16
WLN: T B6 D5 B666 KSJ C M
SYN: 7,13-DIMETHYLBENZO(b)PHENANTHRO(3,2-d)THIOPHENE * 4,9-DIMETHYL-2,3,5,
6-DIBENZOTHIOPHENTHRENE *
TXDS: scu-mus TDLo:80 mg/kg TFX:NEO JNCIAM 18,555,57

DI99000. BENZO(a)PHENARSAZINE, 12-CHLORO-7,12-DIHYDRO-8,11-DIMETHYL-
MW: 355.71 MOLFM: N-As-Cl-C18-H15
WLN: T D6 B666 CM J-AS-J E H JG
SYN: 10-CHLORO-6,9-DIMETHYL-5,10-DIHYDRO-3,4-BENZOPHENARSAZINE *
TXDS: skn-mus TDLo:1250 mg/kg/180DI TFX:NEO CRSBAW 145,1451,51

DI99500. BENZO(c)PHENARSAZINE, 7-CHLORO-7,12-DIHYDRO-8,11-DIMETHYL
MW: 381.70 MOLFM: N-As-Cl-C18-H14
TXDS: skn-mus TDLo:190 mg/kg/16WI TFX:NEO CRSBAW 145,1451,51

DJ28000. (1)BENZOPYRANO(3,4-b)FURO(2,3-h)(1)BENZOPYRAN-6(6aH)-ONE, 1,2,12,12a-
TETRAHYDRO-2-alpha-ISOPROPENYL-8,9-DIMETHOXY-
CAS: 000083794 MW: 394.45 MOLFM: O6-C23-H22
WLN: T G5 D6 B666 CV HO MO POT&TTGJ IYD1 SO1 TO1
SYN: DERRIN * ENT 133 * NICOULINE * RONONE * ROTENON * ROTENONE
* ROTOCIDE * TUBATOXIN *
TXDS: orl-rat LD50:132 mg/kg ARSIM* 20,18,66
ipr-rat LD50:2800 ug/kg SCIEAS 155,713,67
ipr-rat TDLo:91 mg/kg/42DI TFX:NEO CNREA8 33,3047,73
ipr-mus LD50:2800 ug/kg SCIEAS 155,713,67
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 5 mg/m3 PEREAC 37,22139,72

DJ29750. 2H-1-BENZOPYRAN-2-ONE see:GN42000 COUMARIN

DJ33250. 2H-1-BENZOPYRAN, 2-OXO- see:GN42000 COUMARIN

DJ36750. BENZO(a)PYRENE
CAS: 000050328 MW: 252.32 MOLFM: C20-H12
WLN: L D6 B6666 2AB TJ
SYN: 1,2-BENZOPYRENE * 3,4-BENZOPYRENE * 3,4-BENZOPYRENE (THE CARCINOGEN)
* 1,2-BENZPYRENE * 3,4-BENZPYRENE * 3,4-BENZYPYRENE * BP * B(a)
P * 3,4-BP *
TXDS: orl-rat TDLo:13 mg/kg/DI TFX:NEO KREBAG 19,268,64
ihl-rat TCLo:3510 mg/m3/YI TFX:CAR XAESAN 18,321,70
skn-rat TDLo:55 mg/kg/22W TFX:CAR ODIZAP 36,483,37
ipr-rat TDLo:16 mg/kg TFX:CAR BJCAAI 12,65,58
scu-rat TDLo:250 ug/kg TFX:NEO BAPEAG 28,198,39
ivn-rat TDLo:39 mg/kg/6D TFX:NEO CNREA8 29,506,69
ims-rat TDLo:5 mg/kg TFX:CAR VPITAR 30,31,71
ice-rat TDLo:22 mg/kg TFX:NEO CNREA8 29,1927,69
itr-rat TDLo:500 mg/kg TFX:NEO GISAAA 26,3,61
imp-rat TDLo:1500 ug/kg TFX:NEO XAESAN 18,321,70
orl-mus TDLo:7 gm/kg/20WC TFX:CAR PSEBAA 130,146,69
skn-mus TDLo:2 ug/kg/W TFX:CAR AEHLAU 19,779,69
ipr-mus TDLo:750 mg/kg TFX:MUT NATUAS 219,385,68
ipr-mus LDLo:500 mg/kg TXAPA9 23,288,72
ipr-mus TDLo:240 mg/kg/(11-15D preg) TFX:TER AMTOA3 7,3,70
scu-mus TDLo:16 ug/kg TFX:CAR TRBMAV 29,109,71
scu-mus TDLo:240 mg/kg/(11-15D preg) TFX:TER PSEBAA 135,64,70
ipr-mus TDLo:10 mg/kg TFX:CAR JNCIAM 1,225,40
ivn-mus TDLo:10 mg/kg TFX:CAR JNCIAM 1,225,40
scu-mky TDLo:2 mg/kg TFX:CAR PSEBAA 127,594,68
skn-rbt TDLo:17 mg/kg/57W TFX:CAR BSZPAZ 236,79,35
skn-gpg TDLo:416 mg/kg/2Y TFX:NEO 12LVR* -,57,37
scu-gpg TDLo:70 mg/kg AJCAA7 27,474,36
orl-ham TDLo:216 mg/kg/26WI TFX:CAR ZEKBAI 65,56,62

scu-ham TDLo:21 mg/kg TFX:CAR NATUAS 144,377,39
itr-dck TDLo:20 mg/kg TFX:CAR TRBMAV 23,494,65
itr-ham TDLo:432 mg/kg/36W TFX:CAR CNREA8 32,28,72
imp-frg TDLo:41 mg/kg TFX:CAR EXPEAM 20,143,64
irn-frg LDLo:11 mg/kg CNREA8 24,1969,64

DJ38500. BENZO(a)PYRENE mixed with FERRIC OXIDE (50%:50%)
TXDS: itr-mky TDLo:1 mg/kg TFX:CAR XAESAN 21,317,70
itr-ham TDLo:84 mg/kg/20W TFX:NEO JNCIAM 49,1199,72

DJ40250. BENZO(a)PYRENE mixed with SULFUR DIOXIDE (0.3%:99.7%)
TXDS: ihl-rat TCLo:3510 mg/m3/YI TFX:CAR XAESAN 18,321,70

DJ42000. BENZO(e)PYRENE
CAS: 000192972 MW: 252.32 MOLFM: C20-H12
SYN: 4,5-BENZOPYRENE * B(e)P *
TXDS: skn-mus TDLo:516 mg/kg/43W TFX:CAR CANRA4 12,1079,59

DJ43750. 1,2-BENZOPYRENE see:DJ36750 BENZ(a)PYRENE

DJ45500. 3,4-BENZOPYRENE see:DJ36750 BENZ(a)PYRENE

DJ47250. 3,4-BENZOPYRENE (THE CARCINOGEN) see:DJ36750 BENZO(a)PYRENE

DJ47500. 4,5-BENZOPYRENE see:DJ42000 BENZO(e)PYRENE

DJ48000. BENZO(a)PYRENE, 6-ACETOXYMETHYL-
MW: 324.39 MOLFM: O2-C23-H16
SYN: 6-ACETOXYMETHYLBENZO(a)PYRENE *
TXDS: scu-rat TDLo:100 mg/kg/40DI TFX:CAR JMCMAR 16,714,73

DJ48250. BENZO(a)PYRENE, 6-BENZOYLOXYMETHYL-
MW: 386.46 MOLFM: O2-C28-H18
SYN: 6-BENZOYLOXYMETHYLBENZO(a)PYRENE *
TXDS: scu-rat TDLo:100 mg/kg/40DI TFX:CAR JMCMAR 16,714,73

DJ48500. BENZO(a)PYRENE, 6-BROMOMETHYL-
MW: 345.25 MOLFM: Br-C21-H13
SYN: 6-BROMOMETHYLBENZO(a)PYRENE *
TXDS: scu-rat TDLo:100 mg/kg/40DI TFX:CAR JMCMAR 16,714,73

DJ49100. BENZO(a)PYRENE-6-CARBOXALDEHYDE
MW: 280.33 MOLFM: O-C21-H12
SYN: 3,4-BENZPYRENE-5-ALDEHYDE *
TXDS: scu-mus TDLo:80 mg/kg TFX:NEO COREAF 245,876,57
imp-mus TDLo:200 mg/kg TFX:CAR HAPEAG 44,545,57

DJ49175. BENZO(a)PYRENE-6-CARBOXALDEHYDE THIOSEMICARBAZONE
MW: 353.46 MOLFM: N3-S-C22-H15
SYN: 3,4-BENZPYRENE-5-ALDEHYDE THIOSEMICARBAZONE *
TXDS: scu-mus TDLo:80 mg/kg TFX:NEO COREAF 245,876,57

DJ49750. BENZO(a)PYRENE, 9,10-DIHYDRO-7-METHYL-
MW: 268.37 MOLFM: C21-H16
SYN: 9,10-DIHYDRO-7-METHYLBENZO(a)PYRENE * 1':2'-DIHYDRO-4'-METHYL-3:4-BENZPYRENE *
TXDS: imp-mus TDLo:520 mg/kg/10WI TFX:CAR AJCAA7 36,211,39

DJ50750. BENZO(a)PYRENE, 1,2-DIMETHYL-
CAS: 016757850 MW: 280.37 MOLFM: C22-H16
WLN: L D6 B6666 2AB TJ P Q
SYN: 1,2-DIMETHYLBENZO(a)PYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:CAR IJCNAW 3,238,68

DJ52500. BENZO(a)PYRENE, 1,3-DIMETHYL-
CAS: 016757861 MW: 280.37 MOLFM: C22-H16
WLN: L D6 B6666 2AB TJ O Q
SYN: 1,3-DIMETHYLBENZO(a)PYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:CAR IJCNAW 3,238,68

DJ54250. BENZO(a)PYRENE, 1,4-DIMETHYL-
CAS: 016757883 MW: 280.37 MOLFM: C22-H16
WLN: L D6 B6666 2AB TJ M Q
SYN: 1,4-DIMETHYLBENZO(a)PYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:CAR IJCNAW 3,238,68

DJ56000. BENZO(a)PYRENE, 1,6-DIMETHYL-
CAS: 016757907 MW: 280.37 MOLFM: C22-H16
SYN: 1,6-DIMETHYLBENZO(a)PYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:CAR IJCNAW 3,238,68

DJ57750. BENZO(a)PYRENE, 2,3-DIMETHYL-
CAS: 016757872 MW: 280.37 MOLFM: C22-H16
WLN: L D6 B6666 2AB TJ O P
SYN: 2,3-DIMETHYLBENZO(a)PYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:CAR IJCNAW 3,238,68

DJ59500. BENZO(a)PYRENE, 3,6-DIMETHYL-
CAS: 016757918 MW: 280.37 MOLFM: C22-H16
WLN: L D6 B6666 2AB TJ J O
SYN: 3,6-DIMETHYLBENZO(a)PYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:CAR IJCNAW 3,238,68

DJ61250. BENZO(a)PYRENE, 3,12-DIMETHYL-
CAS: 016757849 MW: 280.37 MOLFM: C22-H16
WLN: L D6 B6666 2AB TJ O S
SYN: 3,12-DIMETHYLBENZO(a)PYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:CAR IJCNAW 3,238,68

DJ63000. BENZO(a)PYRENE, 4,5-DIMETHYL-
CAS: 016757894 MW: 280.37 MOLFM: C22-H16
WLN: L D6 B6666 2AB TJ L M
SYN: 4,5-DIMETHYLBENZO(a)PYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:CAR IJCNAW 3,238,68

DJ63250. BENZO(a)PYRENE, 6-FORMYL-
MW: 280.33 MOLFM: O-C21-H12
SYN: 6-FORMYLBENZO(a)PYRENE *
TXDS: scu-rat TDLo:100 mg/kg/40DI TFX:CAR JMCMAR 16,714,73

DJ63500. BENZO(a)PYRENE mixed with 2-FURALDEHYDE (1:3)
TXDS: itr-ham TDLo:1728 mg/kg/36W TFX:CAR CNREA8 32,28,72

DJ64000. BENZO(a)PYRENE, 6-HYDROXYMETHYL-
MW: 282.35 MOLFM: O-C21-H14
SYN: 6-HYDROXYMETHYLBENZO(a)PYRENE *
TXDS: scu-rat TDLo:100 mg/kg/40DI TFX:CAR JMCMAR 16,714,73

DJ64750. BENZO(a)PYRENE, 3-METHOXY-
MW: 266.35 MOLFM: O-C21-H14
WLN: L D6 B6666 2AB TJ OQ
SYN: 8-METHOXY-3,4-BENZPYRENE *
TXDS: scu-rat TDLo:20 mg/kg/13W TFX:CAR BJCAAI 6,400,52
scu-mus TDLo:20 mg/kg TFX:CAR BJCAAI 6,400,52

DJ66500. BENZO(a)PYRENE, 4-METHOXY-
MW: 282.35 MOLFM: O-C21-H14
SYN: 7-METHOXY-3,4-BENZPYRENE *
TXDS: scu-mus TDLo:20 mg/kg TFX:CAR BJCAAI 9,457,55

DJ68250. BENZO(a)PYRENE, 5-METHOXY-
MW: 282.35 MOLFM: O-C21-H14
SYN: 3,4-BENZPYRENE, 6-METHOXY- * 6-METHOXY-3,4-BENZPYRENE *
TXDS: scu-mus TDLo:20 mg/kg TFX:CAR BJCAAI 9,457,55

DJ70000. BENZO(a)PYRENE, 2-METHYL-
CAS: 016757827 MW: 266.35 MOLFM: C21-H14
WLN: L D6 B6666 2AB TJ P
SYN: 2-METHYLBENZO(a)PYRENE * 9-METHYL-3,4-BENZPYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:CAR IJCNAW 3,238,68

DJ71750. BENZO(a)PYRENE, 3-METHYL-
CAS: 016757816 MW: 266.35 MOLFM: C21-H14
WLN: L D6 B6666 2AB TJ O
SYN: 8-METHYL-3,4-BENZPYRENE * 3-METHYLBENZO(a)PYRENE *
TXDS: scu-mus TDLo:40 mg/kg TFX:CAR BJCAAI 6,400,52

DJ73500. BENZO(a)PYRENE, 4-METHYL-
CAS: 016757838 MW: 266.35 MOLFM: C21-H14
WLN: L D6 B6666 2AB TJ M
SYN: 4-METHYLBENZO(a)PYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:CAR IJCNAW 3,238,68

DJ74400. BENZO(a)PYRENE, 7-METHYL-
MW: 266.35 MOLFM: C21-H14
WLN: L D6 B6666 2AB TJ H
SYN: 4'-METHYLBENZO(a)PYRENE * 7-METHYLBENZO(a)PYRENE * 4'-METHYL-3:4-BENZPYRENE *
TXDS: ivn-mus TDLo:10 mg/kg TFX:NEO JNCIAM 1,225,40
imp-mus TDLo:400 mg/kg TFX:NEO AJCAA7 36,211,39

DJ75250. BENZO(a)PYRENE, 11-METHYL-
CAS: 016757805 MW: 266.35 MOLFM: C21-H14
WLN: L D6 B6666 2AB TJ T
SYN: 11-METHYLBENZO(a)PYRENE * 6-METHYL-3,4-BENZPYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:CAR IJCNAW 3,238,68

DJ77000. BENZO(a)PYRENE, 12-METHYL-
CAS: 004514196 MW: 266.35 MOLFM: C21-H14
WLN: L D6 B6666 2AB TJ S
SYN: 12-METHYLBENZO(a)PYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:CAR IJCNAW 3,328,68

DJ78750. BENZO(a)PYRENE, MONOPICRATE
CAS: 005929011 MW: 481.18 MOLFM: C20-H12 .N3-O7-C6-H3
WLN: L D6 B6666 2AB TJ &621 WNR BQ CNW ENW &622
SYN: 1:2-BENZPYRENE PICRATE *
TXDS: skn-mus TDLo:720 mg/kg/30WI TFX:CAR PRLBA4 117,318,35

DJ79500. BENZO(a)PYRENE, 6-STYRYL-
MW: 354.46 MOLFM: C28-H18
SYN: 5-STYRYL-3,4-BENZOPYRENE *
TXDS: scu-mus TDLo:80 mg/kg TFX:NEO COREAF 245,876,57

DJ80500. BENZO(a)PYRENE, 1,3,6-TRIMETHYL-
CAS: 016757929 MW: 294.41 MOLFM: C23-H18
WLN: L D6 B6666 2AB TJ J O Q
SYN: 1,3,6-TRIMETHYLBENZO(a)PYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO IJCNAW 3,238,68

DJ82250. BENZO(a)PYREN-3-OL
MW: 268.32 MOLFM: O-C20-H12
WLN: L D6 B6666 2AB TJ OQ
SYN: 8-HYDROXY-3,4-BENZPYRENE *
TXDS: skn-mus TDLo:2760 mg/kg/69W TFX:CAR BJCAAI 6,400,52
scu-mus TDLo:160 mg/kg/21W TFX:NEO BJCAAI 6,400,52

DJ87500. 1,2-BENZOPYRIDO(3',2':5,6)CARBAZOLE see:DJ94500 7H-BENZO(a)PYRIDO(3,2-g)CARBAZOLE

DJ88000. 3,4-BENZOPYRIDO(3',2':5,6)CARBAZOLE see:DJ97000 7H-BENZO(c)PYRIDO(3,2-g)CARBAZOLE

DJ89250. 5,6-BENZOPYRIDO(2',3':1,2)CARBAZOLE see:DK03500 13H-(BENZO(g)PYRIDO(2,3-a))CARBAZOLE

DJ91000. 5,6-BENZOPYRIDO(3',2':1,2)CARBAZOLE see:DK05250 13H-BENZO(g)PYRIDO(3,2-a)CARBAZOLE

DJ92000. BENZO(a)PYRENE, 6-CHLOROMETHYL-
MW: 300.79 MOLFM: Cl-C21-H13
SYN: 6-CHLOROMETHYLBENZO(a)PYRENE *
TXDS: scu-rat TDLo:100 mg/kg/40DI TFX:CAR JMCMAR 16,714,73

DJ92750. 5,6-BENZOPYRIDO(3',2':3,4)CARBAZOLE see:DJ96250 7H-BENZO(c)PYRIDO(2,3-g)CARBAZOLE

DJ94500. 7H-BENZO(a)PYRIDO(3,2-g)CARBAZOLE
CAS: 000207896 MW: 254.32 MOLFM: N2-C19-H12
WLN: T F6 C6 B566 MM RNJ
SYN: 1,2-BENZOPYRIDO(3',2':5,6)CARBAZOLE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO NATUAS 191,1005,61

DJ96250. 7H-BENZO(c)PYRIDO(2,3-g)CARBAZOLE
CAS: 000194627 MW: 254.32 MOLFM: N2-C19-H12
WLN: T D6 C6 B566 EN MMJ
SYN: 5,6-BENZOPYRIDO(3',2':3,4)CARBAZOLE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO COREAF 257,818,63

DJ97000. 7H-BENZO(c)PYRIDO(3,2-g)CARBAZOLE
CAS: 000194605 MW: 254.32 MOLFM: N2-C19-H12
SYN: 3,4-BENZOPYRIDO(3',2':5,6)CARBAZOLE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO NATUAS 191,1005,61

DJ98000. 7,8-BENZOPYRIDO(2',3':1,2)CARBAZOLE see:DK01750 13H-BENZO(a)PYRIDO(3,2-i)CARBAZOLE

DK01750. 13H-BENZO(a)PYRIDO(3,2-i)CARBAZOLE
CAS: 000239678 MW: 254.32 MOLFM: N2-C19-H12
WLN: T E6 D6 B566 CM FNJ
SYN: 7,8-BENZOPYRIDO(2',3':1,2)CARBAZOLE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:CAR COREAF 257,818,63

DK03500. 13H-(BENZO(g)PYRIDO(2,3-a))CARBAZOLE
CAS: 000207874 MW: 254.32 MOLFM: N2-C19-H12
WLN: T F6 C6 B566 JN MMJ
SYN: 5,6-BENZOPYRIDO(2',3':1,2)CARBAZOLE *
TXDS: orl-mus TDLo:4200 mg/kg/35WI TFX:CAR COREAF 257,818,63
scu-mus TDLo:72 mg/kg/13WI TFX:NEO NATUAS 191,1005,61

DK05250. 13H-BENZO(g)PYRIDO(3,2-a)CARBAZOLE
CAS: 000207852 MW: 254.32 MOLFM: N2-C19-H12
WLN: T F6 C6 B566 GN MMJ
SYN: 5,6-BENZOPYRIDO(3',2':1,2)CARBAZOLE *
TXDS: orl-mus TDLo:4200 mg/kg/35WI TFX:CAR COREAF 257,818,63
scu-mus TDLo:72 mg/kg/13WI TFX:CAR NATUAS 191,1005,61

DK07000. 11H-BENZO(g)PYRIDO(4,3-b)INDOLE
CAS: 000318036 MW: 218.27 MOLFM: N2-C15-H10
WLN: T D6 B566 CM GNJ
SYN: 8,9-BENZO-gamma-CARBOLINE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO CHDDAT 271,1474,70

DK11300. 1,2-BENZOPYRONE see:GN42000 COUMARIN

DK12250. 2,3-BENZOPYPROLE see:NL24500 INDOLE

DK14000. 1,4-BENZOQUINE see:DK26250 p-BENZOQUINONE

DK19250. BENZOQUINOL see:HX35000 HYDROQUINONE

DK24500. BENZOQUINONE see:DK26250 p-BENZOQUINONE

DK26250. p-BENZOQUINONE
CAS: 000106514 MW: 108.10 MOLFM: O2-C6-H4
WLN: L6V DVJ
SYN: BENZO-CHINON (German) * 1,4-BENZOQUINE * BENZOQUINONE * 1,4-BENZOQUINONE * CHINON (Dutch, German) * p-CHINON (German) * CHINONE * CYCLOHEXADIENEDIONE * 1,4-CYCLOHEXADIENEDIONE * 2,5-CYCLOHEXADIENE-1,4-DIONE * 1,4-CYCLOHEXADIENE DIOXIDE * 1,4-DIOSSIBENZENE (Italian) * 1,4-DIOXYBENZENE * 1,4-DIOXY-BENZOL (German) * QUINONE * p-QUINONE *
TXDS: orl-rat LD50:130 mg/kg DTLVS*
ihl-mus LCLo:320 mg/m3 PTIKP* -,137,62
ipr-mus LD50:8500 ug/kg BCPCA6 12,885,63
ivn-rat LD50:25 mg/kg FEPRA7 8,348,49
skn-mus TDLo:2000 mg/kg/28WC TFX:NEO PIATA8 16,309,40
U.S. OCCUPATIONAL STANDARD OSOS-air:TWA 0.1 ppm FEREAC 37,22139,72

DK27000. 1,4-BENZOQUINONE see:DK26250 p-BENZOQUINONE

DK28000. BENZOQUINONE AZIRIDINE see:DK33250 p-BENZOQUINONE, 2,5-BIS(1-AZIRIDINYL)-3,6-BIS(2-METHOXYETHOXY)-

DK33250. p-BENZOQUINONE, 2,5-BIS(1-AZIRIDINYL)-3,6-BIS(2-METHOXYETHOXY)-
CAS: 000800248 MW: 338.40 MOLFM: N2-O6-C16-H22
WLN: L6V DVJ BO2O1 EO2O1 C- F-/- AT3NTJ 2
SYN: A-139 * AZIRIDYL BENZOQUINONE * BAYER A 139 * BAYER E39 SOLUBLE * BENZOQUINONE AZIRIDINE * 2,5-BISAZIRIDINYL-3,6-BIS(2-METHOXYETHOXY) QUINONE * 2,5-BISMETHOXYETHOXY-3,6-BISETHYLENEIMINO-1,4-BENZOQUINONE * 3,6-BIS(beta-METHOXYETHOXY)-2,5-BIS(ETHYLENEIMINO)-p-BENZOQUINONE * NSC-17262 *
TXDS: ipr-mus TDLo:4 mg/kg/4W TFX:CAR JNCIAM 36,915,66

DK59500. p-BENZOQUINONE, 2-ISOPROPYL-5-METHYL- see:OS82250 p-MENTHA-3,6-DIENE-2,5-DIONE

DK63000. p-BENZOQUINONE, 2-METHYL-
CAS: 000553979 MW: 122.13 MOLFM: O2-C7-H6
WLN: L6V DVJ B
SYN: METHYL-p-BENZOQUINONE * METHYL-1,4-BENZOQUINONE * 2-METHYL-p-BENZOQUINONE * 2-METHYLBENZOQUINONE-1,4 * 2-METHYL-1,4-QUINONE * TOLUQUINONE * p-TOLUQUINONE * 1,4-TOLUQUINONE *
TXDS: orl-rat LDLo:250 mg/kg NCNSA6 5,39,53
ivg-mus TDLo:1200 mg/kg/50W TFX:NEO BJCAAI 20,184,66

DK71000. p-BENZOQUINONE, TRIS(1-AZIRIDINYL)- see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

DK71750. p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-
CAS: 000068768 MW: 231.28 MOLFM: N3-O2-C12-H13
WLN: L6V DVJ B- C- E-/- AT3NTJ 3
SYN: AZIRIDINE, 1,1',1''-(3,6-DIOXO-1,4-CYCLOHEXADIENE-1,2,4-TRIYL)TRIS- * BAYER 3231 * p-BENZOQUINONE, TRIS(1-AZIRIDINYL)- * PRENIMON * TEIB * TRENIMON * TRIAZICHON (German) * TRIAZIQUONE * 2,3,5-TRIETHYLENEIMINO-1,4-BENZOQUINONE * TRIETHYLENIMINOBENZOQUINONE * TRIS(AZIRIDINYL)-p-BENZOQUINONE * TRIS(1-AZIRIDINYL)-p-BENZOQUINONE * 2,3,5-TRIS(AZIRIDINYL)-1,4-BENZOQUINONE * 2,3,5-TRISETHYLENEIMINOBENZOQUINONE * TRISETHYLENEIMINOQUINONE * 2,3,5-TRIS(ETHYLENIMINO)BENZOQUINONE * 2,3,5-TRIS(ETHYLENIMINO)-p-BENZOQUINONE * 2,3,5-TRIS(ETHYLENIMINO)-1,4-BENZOQUINONE *
TXDS: ivn-rat TDLo:1560 ug/kg/1YI TFX:CAR ARZNAD 20,1461,70

ipr-mus TDLo:250 ug/kg TFX:MUT HUMAN* 1,576,65

DK78750. o-BENZOSULFIMIDE see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

DL38500. BENZOTHIAZOLE, 6-((p-(DIMETHYLAMINO)PHENYL)AZO-
CAS: 018463859 MW: 282.39 MOLFM: N4-S-C15-H14
WLN: T56 BN DSJ GNUNR DN1&1
SYN: 6-((p-(DIMETHYLAMINO)PHENYL)AZO)BENZOTHIAZOLE * N,N-DIMETHYL-p-(N,N-DIMETHYL-p-(6-BENZTHIAZOLYLAZO)ANILINE *
TXDS: orl-rat TDLo:540 mg/kg/30DC TFX:CAR JMCMAR 11,1074,68

DL40250. BENZOTHIAZOLE, 7-((p-(DIMETHYLAMINO)PHENYL)AZO)-
CAS: 018559927 MW: 282.39 MOLFM: N4-S-C15-H14
WLN: T56 BN DSJ FNUNR DN1&1
SYN: 7-((p-(DIMETHYLAMINO)PHENYL)AZO)BENZOTHIAZOLE * N,N-DIMETHYL-p-(N,N-DIMETHYL-p-(7-BENZTHIAZOLYLAZO)ANILINE *
TXDS: orl-rat TDLo:1620 mg/kg/90DC TFX:CAR JMCMAR 11,1074,68

DL42000. BENZOTHIAZOLE, 2-(p-(DIMETHYLAMINO)STYRYL)-
CAS: 001628586 MW: 280.41 MOLFM: N2-S-C17-H16
WLN: T56 BN DSJ C1U1R DN1&1
SYN: 2-(p-(DIMETHYLAMINO)STYRYL)BENZOTHIAZOLE * 2-(4-DIMETHYLAMINOSTYRYL)BENZOTHIAZOLE *
TXDS: orl-rat TDLo:35 gm/kg/52WI TFX:CAR JNCIAM 41,985,68

DL99000. (1)BENZOTHIOPYRANO(4,3-b)INDOLE, 2-CHLOROBENZO(e)-
MW: 319.81 MOLFM: N-S-Cl-C19-H10
WLN: T F6 C6 B566 ES MNJ IG
SYN: 2-CHLOROBENZO(e)(1)BENZOTHIOPYRANO(4,3-b)INDOLE *
TXDS: scu-mus TDLo:60 mg/kg/13WI TFX:CAR JNCIAM 46,1257,71

DM19250. BENZO(b)TRIPHENYLENE
CAS: 000215587 MW: 278.36 MOLFM: C22-H14
WLN: L D6 J6 C666J
SYN: DIBENZ(a,c)ANTHRACENE * 1,2:3,4-DIBENZANTHRACENE *
TXDS: skn-mus TDLo:440 mg/kg/65WI TFX:CAR JNCIAM 44,641,70

DM21000. BENZO(b)TRIPHENYLENE, 10-METHYL-
MW: 292.39 MOLFM: C23-H16
SYN: DIBENZ(a,c)ANTHRACENE, 10-METHYL- * 10-METHYLDIBENZ(a,c)ANTHRACENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO EJCAAH 4,123,68

DM63500. 2-BENZOYLAMIDOFLUORENE-2'-CARBOXYLATE see:TH71750 PHTHALAMIC ACID, N-FLUOREN-2-YL-

DM64000. 2-BENZOYLAMINOFLUORENE-2'-CARBOXYLATE see:TH71750 PHTHALAMIC ACID, N-FLUOREN-2-YL-

DM84000. N-BENZOYLOXY-N-METHYL-4-AMINOAZOBENZENE see:DH40250 BENZOIC ACID, ester with N-METHYL-p-(PHENYLAZO)-N-PHENYLHYDROXYLAMINE

DM84150. 6-BENZOYLOXYMETHYLBENZO(a)PYRENE see:DJ48250 BENZO(a)PYRENE, 6-BENZOYLOXYMETHYL-

DM85500. BENZOYLPEROXID (German) see:DM85750 BENZOYL PEROXIDE

DM85750. BENZOYL PEROXIDE
CAS: 000094360 MW: 242.24 MOLFM: O4-C14-H10
WLN: RVOOVR
SYN: BENZOIC ACID, PEROXIDE * BENZOYLPEROXID (German) * BENZOYLPEROXYDE (Dutch) * BENZOYL SUPEROXIDE * DIBENZOYLPEROXID (German) * DIBENZOYL PEROXIDE * DIBENZOYLPEROXYDE (Dutch) * LUCIDOL * OXYLITE * PEROSSIDO DI BENZOILE (Italian) * PEROXYDE DE BENZOYLE (French) *
TXDS: ihl-hmn TCLo:12 mg/m3 TFX:PUL DTLVS*
ihl-mus LCLo: 700 ppm DTLVS*
ipr-mus LDLo: 250 mg/kg DTLVS*
skn-mus TDLo:25 gm/kg/42WI TFX:NEO JNCIAM 31,41,63
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 5 mg/m3 PEREAC 37,22139,72

DM86500. BENZOYLPEROXYDE (Dutch) see:DM85750 BENZOYL PEROXIDE

DM89250. o-BENZOYL SULFIMIDE see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

DM91000. BENZOYL SUPEROXIDE see:DM85750 BENZOYL PEROXIDE

DM92750. 1,2-BENZPHENANTHRENE see:GC07000 CHRYSENE

DM94500. 2,3-BENZPHENANTHRENE see:CV92750 BENZ(a)ANTHRACENE

DM96250. 3,4-BENZPHENANTHRENE see:DI82250 BENZO(c)PHENANTHRENE

DM98000. BENZ(a)PHENANTHRENE see:GC07000 CHRYSENE

DN01750. 1,2-BENZPYRENE see:DJ36750 BENZO(a)PYRENE

DN03500. 3,4-BENZPYRENE see:DJ36750 BENZO(a)PYRENE

DN05700. 3,4-BENZPYRENE-5-ALDEHYDE see:DJ49100 BENZO(a)PYRENE-6-CARBOXALDEHYDE

DN06300. 3,4-BENZPYRENE-5-ALDEHYDE THIOSEMICARBAZONE see:DJ49175 BENZO(a)PYRENE-6-CARBOXALDEHYDE THIOSEMICARBAZONE

DN07000. 3,4-BENZPYRENE, 6-METHOXY- see:DJ68250 BENZO(a)PYRENE, 5-METHOXY-

DN08750. 1:2-BENZPYRENE PICRATE see:DJ78750 BENZO(a)PYRENE, MONOPICRATE

DN30600. BENZYDYNA (Polish) see:DC96250 BENZIDINE

DP63000. BENZYLAMINE, N-METHYL-N-NITROSO-
CAS: 000937406 MW: 150.20 MOLFM: N2-O-C8-H10
WLN: ONN1&1R
SYN: METHYL-BENZYL-NITROSOAMIN (German) * METHYLBENZYLNITROSAMINE * N-METHYL-N-BENZYLNITROSAMINE * N-METHYL-N-NITROSOBENZYLAMINE *
TXDS: orl-rat LD50:18 mg/kg NATWAY 50,100,63
orl-rat TDLo:142 mg/kg/81WC TPX:CAR TCIS** -,-,72

DP71750. BENZYL-6-AMINOPENICILLINIC ACID see:XH96250 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-

DQ02500. BENZYLCHLORID (German) see:XS89250 TOLUENE, alpha-CHLORO-

DQ03500. BENZYL CHLORIDE see:XS89250 TOLUENE, alpha-CHLORO-

DQ58500. BENZYLE (CHLORURE DE) (French) see:XS89250 TOLUENE, alpha-CHLORO-

DQ81300. 1,1'-(BENZYLIDENEBIS((2-METHOXY-p-PHENYLENE)(AZO))DI-2-NAPHTHOL see:JE23000 DI-2-NAPHTHOL, 1,1'-(BENZYLIDENEBIS((2-METHOXY-p-PHENYLENE)(AZO))-

DR16500. BENZYL MERCAPTAN see:XT86500 alpha-TOLUENETHIOL

DR49000. BENZYLPENICILLIN see:XH96250 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-

DR50000. BENZYLPENICILLIN SODIUM see:XH98000 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYL= ACETAMIDO)-, MONOSODIUM SALT

DR50750. BENZYLPENICILLIN SODIUM SALT see:XH98000 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-, MONOSODIUM SALT

DR52500. BENZYLPENICILLINIC ACID SODIUM SALT see:XH98000 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-, MONOSODIUM SALT

DR70400. 3-BENZYLSYDNONE-4-ACETAMIDE see:WU76750 SYDNONE, 3-BENZYL-4-CARBAMOYLMETHYL-

DR74200. BENZYLTHIOL see:XT86500 alpha-TOLUENETHIOL

DR84500. BENZYL VIOLET see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

DR85000. BENZYL VIOLET 3B see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

DR87500. 3,4-BENZYPYRENE see:DJ36750 BENZ(a)PYRENE

DS10000. BERNSTEINSAURE-ANHYDRID see:WN08750 SUCCINIC ANHYDRIDE

DS12250. BERTRANDITE
CAS: 001318190 MW: 264.34 MOLFM: O9-Si2-H10 .O-H2 .Be4
TXDS: ihl-rat TCLo:15 mg/m3/24WI TPX:NEO TXAPA9 15,10,69

DS14000. BERYL
CAS: 001302529 MW: 377.53 MOLFM: O18-Al2-Si6 .3Be
SYN: BERYLLIUM ALUMINOSILICATE * BERYLLIUM ALUMINUM SILICATE *
TXDS: ihl-rat TCLo:620 ug(Be)/M/74WI TPX:CAR TXAPA9 15,10,69
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 2 ug/m3;CL5 ug/m3;PKPEREAC 37,22139,72

DS15750. BERYLLIA see:DS40250 BERYLLIUM OXIDE

DS17500. BERYLLIUM
CAS: 007440417 MW: 9.01 MOLFM: Be
WLN: .BE
SYN: GLUCINIUM *
TXDS: ihl-hmn TCLo:300 mg/m3 TPX:PUL AEHLAU 9,473,64

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      scu-pig TDLo:7 mg/kg TFX:NEO                                  AIHOAX 3,81,51
   U.S. OCCUPATIONAL STANDARD USOS-air:TWA 2 ug/m3;CL5 ug/m3        PEREAC 37,22139,72
   CRIT DOC: OCCUPATIONAL EXPOSURE TO BERYLLIUM                     NTIS** PB210-806

DS21000. BERYLLIUM ALUMINOSILICATE    see:DS14000 BERYL

DS22750. BERYLLIUM ALUMINUM SILICATE    see:DS14000 BERYL

DS28000. BERYLLIUM FLUORIDE
   CAS: 007787497     MW: 47.01          MOLFM: Be-F2
   WLN: .BE..F2
   TXDS: orl-rat LD50:98 mg/kg                                      URAEP* -,-,51
      ihl-rat TCLo:68 ug/m3/60WI TFX:CAR                            PEXTAR 2,203,61
      orl-mus LD50:100 mg/kg                                        XPHPAW 2173,23,72
      scu-mus LD50:20 mg/kg                                         XPHPAW 2173,23,72
      ivn-mus LD50:1800 ug/kg                                       XPHPAW 2173,23,72
      ipr-ham LD50:21 mg/kg                                         URAEP* -,-,51
   U.S. OCCUPATIONAL STANDARD USOS-air:TWA 2 ug/m3;CL5 ug/m3;PKFEREAC 37,22139,72
   CRIT DOC: OCCUPATIONAL EXPOSURE TO BERYLLIUM                     NTIS** PB210-806

DS29750. BERYLLIUM HYDROGEN PHOSPHATE (1:1)
                      MW: 104.99          MOLFM: O4-P-Be-H
   WLN: .BE3.P-O4*2
   SYN: BERYLLIUM PHOSPHATE (BeHPO4)    *
   TXDS: ihl-rat TCLo:3571 ug/m3/48WI TFX:CAR                       PEXTAR 2,203,61
      ivn-mus LD50:16 mg/kg                                         TXAPA9 24,497,73
      ihl-mky TCLo:13 mg/m3/10DI TFX:NEO                            IMSUAI 33,1,64
   U.S. OCCUPATIONAL STANDARD USOS-air:TWA 2 ug/m3;CL5 ug/m3;PKFEREAC 37,22139,72

DS35500. BERYLLIUM MANGANESE ZINC SILICATE
                      MW: 221.41          MOLFM: O4-Be-Mn-Si-Zn
   SYN: ZINC MANGANESE BERYLLIUM SILICATE    *
   TXDS: ihl-rat TCLo:25 mg/m3/36WI TFX:CAR                         PEXTAR 2,203,61
      ivn-rbt TDLo:500 mg/kg/40WI TFX:CAR                           PEXTAR 2,203,61

DS40250. BERYLLIUM OXIDE
   CAS: 001304569     MW: 25              MOLFM: O-Be
   WLN: .BE..O
   SYN: BERYLLIA    *
   TXDS: ivn-rbt TDLo:500 mg/kg/48WI TFX:CAR                        PEXTAR 2,203,61
      imp-rbt TDLo:10 mg/kg TFX:CAR                                 ARPAAQ 88,89,69
      scu-pig TDLo:7 mg/kg TFX:NEO                                  AIHOAX 3,81,51
   U.S. OCCUPATIONAL STANDARD USOS-air:TWA 2 ug/m3;CL5 ug/m3;PKFEREAC 37,22139,72
   CRIT DOC: OCCUPATIONAL EXPOSURE TO BERYLLIUM                     NTIS** PB210-806

DS43750. BERYLLIUM PHOSPHATE (BeHPO4)    see:DS29750 BERYLLIUM HYDROGEN PHOSPHATE (1:1)

DS45500. BERYLLIUM SILICATE    see:VV89250 SILICIC ACID, BERYLLIUM SALT

DS47250. BERYLLIUM ortho SILICATE    see:VV89250 SILICIC ACID, BERYLLIUM SALT

DS50000. BERYLLIUM SULFATE TETRAHYDRATE (1:1:4)
   CAS: 007787566     MW: 169.04          MOLFM: O4-S .Be .4O-H2
   WLN:  BE S-O2-Q2 QH4
   TXDS: ihl-rat TCLo:668 ug/m3/40WC TFX:CAR                        CNREA8 27,439,67
      ivn-mus LD50:4971 ug/kg                                       TXAPA9 24,497,73
      ihl-mky TCLo:35 ug/m3 TFX:CAR                                 19ZPAF -,-,66
   U.S. OCCUPATIONAL STANDARD USOS-air:TWA 2 ug/m3;CL5 ug/m3;PKFEREAC 37,22139,72
   CRIT DOC: OCCUPATIONAL EXPOSURE TO BERYLLIUM                     NTIS** PB210-806

DS71750. BETAPRONE    see:RQ73500 2-OXETANONE

DT08750. BEXOL    see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

DT12250. B(b)F    see:CU17500 BENZ(e)ACEPHENATHRYLENE

DT15750. B(j)F    see:DF63000 BENZO(j)FLUORANTHENE

DT17500. BFV    see:LP89250 FORMALDREYDE

DT20030. alpha-BHC    see:GV35000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, alpha-isomer

DT20130. beta-BHC    see:GV43750 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, beta-isomer

DT21000. gamma-BHC    see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

DT28000. 4',4'''-BIACETANILIDE
   CAS: 004471107     MW: 268.34          MOLFM: N2-O2-C16-H16
   WLN: 1VNR DR DNV1
   SYN: N,N'-DIACETYL BENZIDINE    *
   TXDS: orl-rat TDLo:5300 mg/kg/35WC TFX:CAR                       CNREA8 16,525,56
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ipr-rat TDLo:500 mg/kg TFX:CAR ARPAAQ 81,146,66
scu-rat TDLo:500 mg/kg TFX:CAR ARPAAQ 81,146,66

DT28500. 4',4'''-BIACETANILIDE, 3',3'''-DIMETHYL-
MW: 294.38 MOLFM: N2-O2-C18-H18
SYN: 3,3'-DIMETHYL-N,N'-DIACETYLBENZIDINE *
TXDS: orl-rat TDLo:6000 mg/kg/36WC TFX:NEO CNREA8 16,525,56

DT29000. 4',4'''-BIACETANILIDE, 2'-METHYL-
MW: 278.37 MOLFM: N2-O2-C17-H18
SYN: 2-METHYL-N,N'-DIACETYLBENZIDINE *
TXDS: orl-rat TDLo:5500 mg/kg/35WC TFX:CAR CNREA8 16,525,56

DT36750. N,N'-BIANILINE see:MW26250 HYDRAZOBENZENE

DT38500. 5,5'-BIANTHRANILIC ACID see:DV33250 3,3'-BIPHENYLDICARBOXYLIC ACID, 4,4'-DIAMINO-

DT43900. BIBENZYL, alpha,alpha'-DIETHYL-4,4'-DIHYDROXY- see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

DT44220. BICHROMATE DE SODIUM (French) see:HX77000 DICHROMIC ACID, DISODIUM SALT

DT92750. BIEBRICH SCARLET BPC see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

DT94500. BIEBRICH SCARLET RED see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

DT98000. 1,1'-BI(ETHYLENE)OXIDE see:EJ82250 BUTANE, 1,2:3,4-DIEPOXY-

DU28000. BIGUANIDINE, 1,1'-((METHYLETHANEDIYLIDENE)DINITRILO)-, DIHYDROCHLORIDE DIHYDRATE
CAS: 031959873 MW: 297.21 MOLFM: N10-C3-H12 .2Cl-H .2O-H2
WLN: MUKZMNUY&1UNMKZUM &GH &GH &QH &QH
SYN: 1,1'-(METHYLETHANEDILIDENEDINITRILO)BIGUANIDINE DIHYDROCHLORIDE DIHYDRATE
OMETHYL GAG * NSC 32946 *
TXDS: orl-rat TDLo:4000 mg/kg/YI TFX:NEO JNCIAM 41,985,68

DU30000. (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT
CAS: 000860220 MW: 468.38 MOLFM: N2-O8-S2-C16-H10 .2Na
WLN: T56 BMYVJ GSWQ C- 2U &-NA- 2
SYN: ACID BLUE W * ACID LEATHER BLUE IC * A.F. BLUE No. 2 * AIREDALE BLUE IN * AMACID BRILLIANT BLUE * ANILINE CARMINE POWDER * ATUL INDIGO CARMINE * 1311 BLUE * 12070 BLUE * BUCACID INDIGOTINE B * CANACERT INDIGO CARMINE * CARMINE BLUE (BIOLOGICAL STAIN) * C.I. 73015 * C.I. 75781 * C.I. ACID BLUE 74 * C.I. FOOD BLUE 1 * C.I. FOOD BLUE 1, DISODIUM SALT * CILEFA BLUE R * C.I. NATURAL BLUE 2 * DISODIUM INDIGO-5,5-DISULFONATE * DOLKWAL INDIGO CARMINE * EDICOL SUPRA BLUE X * FD+C BLUE 2 * FD AND C BLUE NO. 2 * FOOD BLUE 2 * GRAPE BLUE A GEIGY * HD INDIGO CARMINE * HD INDIGO CARMINE SUPRA * HEXACERT BLUE No. 2 * HEXACOL INDIGO CARMINE SUPRA * INDIGO CARMINE * INDIGO CARMINE A * INDIGO CARMINE AC * INDIGO CARMINE (BIOLOGICAL STAIN) * INDIGO CARMINE BP * INDIGO CARMINE CONC. FQ * INDIGO CARMINE DISODIUM SALT * INDIGO CARMINE POWDER * INDIGO CARMINE X * INDIGO DISULFONATE (BIOLOGICAL STAIN) * INDIGO EXTRACT * INDIGOTIN I * 5,5'-INDIGOTINDISULFONIC ACID * INDIGOTINE * INDIGOTINE B * INDIGOTINE BLUE LZ * INDIGOTINE CONC. POWDER * INDIGOTINE DISODIUM SALT * INDIGOTINE EXTRA PURE A * INDIGOTINE I * INDIGOTINE LAKE * INDIGOTINE N * INDOCARMINE F * INTENSE BLUE * MAPLE INDIGO CARMINE * MITSUI INDIGO CARMINE * MORABBA * SACHSISCHBLAU * SAN-EI INDIGO CARMINE * SODIUM INDIGOTINDISULFONATE * SODIUM 5,5'-INDIGOTIDISULFONATE * SOLUBLE INDIGO * SUMITOMO WOOL BLUE SBC * USACERT BLUE No. 2 *
TXDS: scu-rat TDLo:10 gm/kg/2YI TFX:CAR TXAPA9 8,29,66
ivn-rat LD50:93 mg/kg FDADF* -,-,69
scu-mus LD50:405 mg/kg FDADF* -,-,69

DU45500. BIO-DES see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

DU54250. BIOQUIN see:VC42000 8-QUINOLINOL

DU61250. BIOXIRAN see:EJ82250 BUTANE, 1,2:3,4-DIEPOXY-

DU63000. BIOXIRANE see:EJ82250 BUTANE, 1,2:3,4-DIEPOXY-

DU73500. m,m'-BIPHENOL, 6,6'-DIAMINO- see:DV49000 3,3'-BIPHENYLDIOL, 4,4'-DIAMINO-

DU82250. N-4-BIPHENYLACETAMIDE see:AE61250 ACETANILIDE, 4'-PHENYL-

DU84000. p-BIPHENYLAMINE see:DU89250 4-BIPHENYLAMINE

DU87500. (1,1'-BIPHENYL)-4-AMINE see:DU89250 4-BIPHENYLAMINE

DU89250. 4-BIPHENYLAMINE
CAS: 000092671 MW: 169.24 MOLFM: N-C12-H11
WLN: ZR DR
SYN: p-AMINOBIPHENYL * 4-AMINOBIPHENYL * p-AMINODIPHENYL * 4-AMINODIPHENYL * BIPHENYLAMINE * (1,1'-BIPHENYL)-4-AMINE * p-BIPHENYLAMINE * p-PHENYLANILINE * XENYLAMIN (Czech) * XENYLAMINE *
TXDS: orl-rat LD50:500 mg/kg JIHTAB 29,1,47
orl-rat TDLo:5200 mg/kg/52WC TFX:CAR ARZNAD 12,270,62
scu-rat TDLo:4 gm/kg TFX:CAR AICCA6 10,174,54
orl-mus TDLo:140 mg/kg/7DI TFX:CAR BJCAAI 19,297,65
ipr-mus LDLo:250 mg/kg CBCCT* 6,54,54
scu-mus TDLo:216 mg/kg/3DI TFX:CAR JNCIAM 41,403,68
orl-dog TDLo:680 mg/kg/3YI TFX:CAR IMSUAI 34,640,65
orl-rbt TDLo:9750 mg/kg/65WI TFX:NEO INMEAF 39,55,70
U.S. OCCUPATIONAL STANDARD USOS-carcinogen FEREAC 39,3756,74

DU91000. 4-BIPHENYLAMINE, 3,2'-DIMETHYL-
MW: 197.30 MOLFM: N-C14-H15
WLN: ZR B DR B
SYN: 3,2'-DIMETHYL-4-AMINOBIPHENYL * 3,2'-DMAB * 3,2'-DIMETHYL-4-AMINODIPHENYL *
TXDS: scu-rat TDLo:680 mg/kg/I TFX:CAR ARPAAQ 86,475,68
scu-ham TDLo:2100 mg/kg/26W TFX:CAR JNCIAM 48,1733,72

DU92750. 4-BIPHENYLAMINE, 3,3'-DIMETHYL-
MW: 197.30 MOLFM: N-C14-H15
WLN: ZR B DR C
SYN: 3,3'-DIMETHYL-4-AMINODIPHENYL *
TXDS: scu-rat TDLo:960 mg/kg TFX:CAR ANZJA7 29,38,59

DU94500. 4-BIPHENYLAMINE, N,N-DIMETHYL-
CAS: 001137797 MW: 197.30 MOLFM: N-C14-H15
WLN: 1N16R DR
SYN: 4-DIMETHYLAMINOBIPHENYL *
TXDS: orl-rat TDLo:20 mg/kg/35WC TFX:NEO CNREA8 16,525,56

DU96250. 4-BIPHENYLAMINE, 4'-FLUORO-
CAS: 000324936 MW: 187.23 MOLFM: N-F-C12-H10
WLN: ZR DR DF
SYN: 4-AMINO-4'-FLUORODIPHENYL * 4'-FLUORO-4-AMINODIPHENYL * 4'-FLUORO-4-AMINODIPHENYL * 4'-FLUORO-4-BIPHENYLAMINE *
TXDS: orl-rat LDLo:300 mg/kg CNREA8 26,619,66
orl-rat TDLo:300 mg/kg TFX:CAR CNREA8 26,619,66
scu-rat TDLo:1600 mg/kg/20W TFX:CAR BJCAAI 12,234,58
orl-mus TDLo:520 mg/kg/26WI TFX:CAR BJCAAI 19,297,65

DU98000. 4-BIPHENYLAMINE, 2-METHYL-
MW: 183.27 MOLFM: N-C13-H13
WLN: ZR C DR
SYN: 2-METHYL-4-AMINODIPHENYL *
TXDS: scu-rat TDLo:2500 mg/kg TFX:CAR AICCA6 10,174,54

DV01750. 4-BIPHENYLAMINE, 3-METHYL-
MW: 183.27 MOLFM: N-C13-H13
WLN: ZR B DR
SYN: 3-METHYL-4-AMINODIPHENYL *
TXDS: scu-rat TDLo:1600 mg/kg TFX:CAR AICCA6 10,174,54

DV03500. 4-BIPHENYLAMINE, 4'-NITRO-
CAS: 001204791 MW: 214.24 MOLFM: N2-O2-C12-H10
WLN: ZR DR DNW
SYN: 4-AMINO-4'-NITROBIPHENYL * 4'-NITRO-4-BIPHENYLAMINE *
TXDS: orl-rat TDLo:1400 mg/kg/73WI TFX:NEO TXAPA9 14,661,69

DV14000. N-4-BIPHENYLBENZAMIDE see:CV87500 BENZANILIDE, 4'-PHENYL-

DV21000. 2,4'-BIPHENYLDIAMINE
CAS: 000492171 MW: 184.26 MOLFM: N2-C12-H12
WLN: ZR BR DZ
SYN: 2,4'-DIAMINODIPHENYL * o,p'-DIANILINE * DIFENYLIN * 2,4'-DIPHENYLDIAMINE * DIPHENYLINE *
TXDS: orl-rat LD50:311 mg/kg NEOLA4 15,3,68
orl-dog TDLo:7000 mg/kg/4.5Y TFX:NEO NEOLA4 15,3,68

DV22750. 4,4'-BIPHENYLDIAMINE see:DC96250 BENZIDINE

DV24500. BIPHENYL, 4,4'-DIAMINO- see:DC96250 BENZIDINE

DV33250. 3,3'-BIPHENYLDICARBOXYLIC ACID, 4,4'-DIAMINO-
CAS: 002130565 MW: 272.28 MOLFM: N2-O4-C14-H12
WLN: QVR BZ E- 2
SYN: 3,3'-BENDIZINEDICARBOXYLIC ACID * 3,3'-BENZIDINEDICARBOXYLIC ACID * 5,

5'-BIANTHRANILIC ACID * 4,4'-DIAMINO-3,3'-BIPHENYLDICARBOXYLIC ACID * 4,
4'-DIAMINOBIPHENYL-3,3'-DICARBOXYLIC ACID * 3,3'-DICARBOXYBENZIDINE *
TXDS: scu-rat TDLo:10 gm/kg/95WI TPX:NEO VOONAW 15(5),60,69
orl-mus TDLo:31 gm/kg/65WC TPX:NEO VOONAW 15(5),60,69
scu-mus TDLo:18 gm/kg/88WI TPX:NEO VOONAW 15(5),60,69

DV38500. 3,3'-BIPHENYLDICARBOXYLIC ACID, 4,4'-DIAMINO-, DISODIUM SALT
CAS: 016993945 MW: 316.22 MOLFM: N2-O4-C14-H10 .2Na
WLN: OVR BZ E- 2 E-WA- 2
SYN: 3,3'-BENZIDINE DICARBOXYLIC ACID, DISODIUM SALT *
TXDS: scu-rat TDLo:9300 mg/kg/95WI TPX:NEO VOONAW 15(5),60,69
scu-mus TDLo:16 gm/kg/78WI TPX:NEO VOONAW 15(5),60,69

DV43750. BIPHENYL, 4,4'-DINITRO-
CAS: 001528741 MW: 244.22 MOLFM: N2-O4-C12-H8
WLN: WNR DR DNW
SYN: 4,4'-DINITROBIPHENYL *
TXDS: orl-rat TDLo:860 mg/kg TPX:NEO TXAPA9 6,352,64

DV49000. 3,3'-BIPHENYLDIOL, 4,4'-DIAMINO-
CAS: 002373980 MW: 216.14 MOLFM: N2-O2-C12-H12
WLN: ZR BQ DR DZ CQ
SYN: BENZIDINE, 3,3'-DIHYDROXY- * m,m'-BIPHENOL, 6,6'-DIAMINO- * 3,3
3,3'-DIHYDROXYBENZIDINE * 3,3'-DIOXYBENZIDINE *
TXDS: orl-rat TDLo:9950 mg/kg/52WI TPX:NEO VOONAW 7,33,61
scu-rat TDLo:3800 gm/kg/17W TPX:CAR VOONAW 7,33,61
unk-rat TDLo:6900 mg/kg/43W TPX:CAR VOONAW 7,33,61
orl-mus TDLo:1405 mg/kg/48WI TPX:NEO VOONAW 7,33,61
skn-mus TDLo:630 mg/kg/52W TPX:NEO VOONAW 7,33,61
scu-mus TDLo:1700 mg/kg/43W TPX:NEO VOONAW 7,33,61

DV56000. BIPHENYL, 4-NITRO-
CAS: 000092933 MW: 199.22 MOLFM: N-O2-C12-H9
WLN: WNR DR
SYN: p-NITROBIPHENYL * 4-NITROBIPHENYL * p-NITRODIPHENYL *
TXDS: orl-rat LD50:2230 mg/kg JIHTAB 29,1,47
orl-dog TCLo:5500 mg/kg/33MI TPX:CAR JAMAAP 172,1611,60
orl-rbt LD50:1970 mg/kg JIHTAB 29,1,47
U.S. OCCUPATIONAL STANDARD USOS-carcinogen PEREAC 39,3756,74

DV59500. 3-BIPHENYLOL, 4-AMINO-
CAS: 004363035
SYN: 4-AMINO-3-BIPHENYLOL * 4-AMINO-3-HYDROXYBIPHENYL *
TXDS: scu-mus TDLo:216 mg/kg/3D TPX:CAR JNCIAM 41,403,68
U.S. OCCUPATIONAL STANDARD USOS-emergency PEREAC 38,10929,72

DV61250. 4-BIPHENYLOL, 4'-AMINO-
MW: 185.23 MOLFM: N-O-C12-H11
WLN: ZR DR DQ
SYN: 4'-AMINO-4-BIPHENYLOL * 4-AMINO-4'-HYDROXYBIPHENOL *
TXDS: scu-mus TDLo:216 mg/kg/3D TPX:CAR JNCIAM 41,403,68

DV87500. 3,3'4,4'-BIPHENYLTETRAMINE
CAS: 000091952 MW: 214.30 MOLFM: N4-C12-H14
SYN: 3,3'-DIAMINOBENZIDENE * 3,3',4,4'-DIPHENYLTETRAMINE * 3,3',4,4
3,3',4,4'-TETRAAMINOBIPHENYL *
TXDS: orl-rat LDLo:3000 mg/kg CNREA8 26,619,66
orl-rat TDLo:9000 mg/kg/30DI TPX:NEO CNREA8 28,924,68

DV89250. N-4-BIPHENYLYLBENZENESULFONAMIDE see:DB01750 BENZENESULFONAMIDE, N-4-BIPHENYLYL-

DV91000. N-4-BIPHENYLYLBENZOHYDROXAMIC ACID see:DP98000 BENZOHYDROXAMIC ACID, N-4-BIPHENYLYL-

DW01750. N-4-BIPHENYLYL-N-HYDROXYBENZENESULFONAMIDE see:DB03500 BENZENESULFONAMIDE, N-4-BIPHENYLYL-N-HYDROXY-

DW03500. N-4-BIPHENYLYLHYDROXYLAMINE see:NC31500 HYDROXYLAMINE, N-4-BIPHENYLYL-

DW14000. BIPYRIDINE see:DW17500 2,2'-BIPYRIDINE

DW15750. alpha,alpha'-BIPYRIDINE see:DW17500 2,2'-BIPYRIDINE

DW17500. 2,2'-BIPYRIDINE
CAS: 000366187 MW: 156.20 MOLFM: N2-C10-H8
WLN: T6WJ B- 2
SYN: BIPYRIDINE * alpha,alpha'-BIPYRIDINE * alpha,alpha'-BIPYRIDYL * 2,
2'-BIPYRIDYL * alpha,alpha'-DIPYRIDYL * 2,2'-DIPYRIDYL *
TXDS: orl-rat LDLo: 250 mg/kg NCNSA6 5,22,53
scu-mus TDLo:8000 mg/kg/40WC TPX:NEO JNCIAM 24,109,60

DW26250. alpha,alpha'-BIPYRIDYL see:DW17500 2,2'-BIPYRIDINE

DW28000. 2,2'-BIPYRIDYL see:DW17500 2,2'-BIPYRIDINE

DW36750. BIS(p-ACETAMIDOPHENYL) SULFONE see:AE71750 ACETANILIDE, 4',4'''-SULFONYLBIS-

DW38500. BIS(4-ACETAMIDOPHENYL) SULFONE see:AE71750 ACETANILIDE, 4',4'''-SULFONYLBIS-

DW40250. BIS(ACETATO)TETRAHYDROXYTRILEAD see:OF87500 LEAD, BIS(ACETATO)TETRAHYDROXYTRI-

DW43750. 9:10-BISACETOXYMETHYL-1:2-BENZANTHRACENE see:CW21000 BENZ(a)ANTHRACENE-7,12-DIMETHANOL DIACETATE

DW47250. 2,5-BIS(ACETYLAMINO)FLUORENE see:AC05250 ACETAMIDE, N,N'-FLUOREN-2,5-YLENEBIS-

DW52500. BIS(4-AMINO-3-CHLOROPHENYL) ETHER see:KM96250 ETHER, BIS(4-AMINO-3-CHLOROPHENYL)

DW65800. BIS-p-AMINOPENYLMETHAN (Czech) see:BY54250 ANILINE, 4,4'-METHYLENEDI-

DW68250. BIS(p-AMINOPHENYL)METHANE see:BY54250 ANILINE, 4,4'-METHYLENEDI-

DW70000. BIS(4-AMINOPHENYL)METHANE see:BY54250 ANILINE, 4,4'-METHYLENEDI-

DW71750. BIS(4-AMINOPHENYL) SULFIDE see:BY96250 ANILINE, 4,4'-THIODI-

DW89250. 2,5-BISAZIRIDINYL-3,6-BIS(2-METHOXYETHOXY)QUINONE see:DK33250 p-BENZOQUINONE, 2,5-BIS(1-AZIRIDINYL)-3,6-BIS(2-METHOXYETHOXY)-

DW91000. BIS(1-AZIRIDINYL)MORPHOLINOPHOSPHINE SULFIDE see:SZ26250 PHOSPHINE SULFIDE, BIS(1-AZIRIDINYL)MORPHOLINO-

DX10800. BIS-beta-CHLORAETHYLMETHYLAMINOXYD-HYDROCHLORID (German) see:IA22750 DIETHYLAMINE, 2,2'-DICHLORO-N-METEYL-, N-OXIDE, HYDROCHLORIDE

DX15750. 1,6-BIS-(CHLOROETHYLAMINO)-1,6-DESOXY-D-MANNITOL DIHYDROCHLORIDE see:OP22750 MANNITOL, 1,6-BIS((2-CHLOROETHYL)AMINO)-1,6-DIDEOXY-, DIHYDROCHLORIDE, D-

DX17500. 1,6-BIS-(CHLOROETHYLAMINO)-1,6-DIDEOXY-D-MANNITE DIHYDROCHLORIDE see:OP22750 MANNITOL, 1,6-BIS((2-CHLOROETHYL)AMINO)-1,6-DIDEOXY-, DIHYDROCHLORIDE, D-

DX19250. 1,6-BIS((2-CHLOROETHYL)AMINO)-1,6-DIDEOXY-D-MANNITOL see:OP21000 MANNITOL, 1,6-BIS((2-CHLOROETHYL)AMINO-1,6-DIDEOXY-, D-,

DX21000. 4-((4-(BIS(2-CHLOROETHYL)AMINO)-1-METHYLBUTYL)AMINO-7-CHLOROQUINOLINE, DIHYDROCHLORIDE see:VB01750 QUINOLINE, 4-((4-BIS(2-CHLOROETHYL)AMINO)-1-METHYLBUTYL)AMINO-7-CHLORO-

DX22750. 2-(BIS(2-CHLOROETHYL)AMINOMETHYL)-5,5-DIMETHYLBENZIMIDAZOLE HYDROCHLORIDE see:DD63000 BENZIMIDAZOLE, 2-(BIS(2-CHLOROETHYL)AMINOMETHYL)-5,6-DIMETHYL-, HYDROCHLORIDE

DX24500. 2-BIS(2-CHLOROETHYL)AMINONAPHTHALENE see:QM24500 2-NAPHTHYLAMINE, N,N-BIS(2-CHLOROETHYL)-

DX26250. 2-(BIS(2-CHLOROETHYL)AMINO)-2H-1,3,2-OXAZAPHOSPHORINE 2-OXIDE see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

DX28000. 1-BIS(2-CHLOROETHYL)-AMINO-1-OXO-2-AZA-5-OXAPHOSPHORIDIN see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

DX29750. p-N-BIS(2-CHLOROETHYL)AMINO-L-PHENYLALANINE see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-

DX31500. 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-L-ALANINE see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-

DX33250. L-3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)ALANINE see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-

DX35000. gamma-(p-BIS(2-CHLOROETHYL)AMINOPHENYL)BUTYRIC ACID see:ES75250 BUTYRIC ACID, 4-(p-BIS(2-CHLOROETHYL)AMINOPHENYL)-

DX36750. 4-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)BUTYRIC ACID see:ES75250 BUTYRIC ACID, 4-(p-BIS(2-CHLOROETHYL)AMINOPHENYL)-

DX38500. 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-2H-1,3,2-OXAZAPHOSPHORINE-2-OXIDE see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

DX42000. 5-N,N-BIS(2-CHLOROETHYL)AMINOURACIL see:YQ89250 URACIL, 5-(BIS(2-CHLOROETHYL)AMINO)-

DX42800. 5-(BIS(2-CHLOROETHYL)AMINO)URACIL see:YQ89250 URACIL, 5-(BIS(2-CHLOROETHYL)AMINO)-

DX52500. N,N-BIS(2-CHLOROETHYL)-2,3-DIMETHOXYANILINE see:BW84000 ANILINE, N,N-BIS(2-CHLOROETHYL)-2,3-DIMETHOXY-

DX54250. BIS(alpha-CHLOROETHYL) ETHER see:KN07000 ETHER, BIS(alpha-CHLOROETHYL)

DX56000. BIS(beta-CHLOROETHYL) ETHER see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

DX57750. BIS(2-CHLOROETHYL) ETHER see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

DX65500. N,N-BIS(2-CHLOROETHYL)-N'-(3-HYDROXYPROPYL)PHOSPHORDIAMIDIC ACID CYCLIC ESTER MONOHYDRATE see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

DX66500. BIS(beta-CHLOROETHYL)METHYLAMINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

DX68250. BIS(2-CHLOROETHYL)METHYLAMINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

DX70000. N,N-BIS(2-CHLOROETHYL)METHYLAMINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

DX71750. BIS(2-CHLOROETHYL)METHYLAMINE HYDROCHLORIDE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

DX75250. BIS(2-CHLOROETHYL)-beta-NAPHTHYLAMINE see:QM24500 2-NAPHTHYLAMINE, N,N-BIS(2-CHLOROETHYL)-

DX82250. BIS(2-CHLOROETHYL)PHOSPHORAMIDE cyclic PROPANOLAMIDE ESTER see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

DX85750. N,N-BIS[beta-CHLOROETHYL]-N',O-PROPYLENE PHOSPHORIC ACID ESTER AMIDE see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

DX87500. N,N-BIS(2-CHLOROETHYL)-N',O-PROPYLENEPHOSPHORIC ACID ESTER DIAMIDE see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

DX88300. N,N-BIS(beta-CHLOROETHYL)-N',O-PROPYLENE PHOSPHORIC ACID ESTER DIAMIDE MONOHYDRATE see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

DX89250. BIS(beta-CHLOROETHYL)SULFIDE see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)

DX91000. BIS(2-CHLOROETHYL)SULFIDE see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)

DX92750. N,N-BIS(beta-CHLOROETHYL)-N',O-TRIMETHYLENEPHOSPHORIC ACID ESTER DIAMIDE see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

DY01750. BIS(CHLOROMETHYL) ETHER see:KN15750 ETHER,BIS(CHLOROMETHYL)

DY12250. 1,1-BIS(p-CHLOROPHENYL)-2,2-DICHLOROETHANE see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

DY14000. 1,1-BIS(4-CHLOROPHENYL)-2,2-DICHLOROETHANE see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

DY15750. 2,2-BIS(p-CHLOROPHENYL)-1,1-DICHLOROETHANE see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

DY17500. 2,2-BIS(4-CHLOROPHENYL)-1,1-DICHLOROETHANE see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

DY31500. alpha,alpha-BIS(p-CHLOROPHENYL)-beta,beta,beta-TRICHLORETHANE see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

DY33250. 2,2,BIS(p-CHLOROPHENYL)-1,1,1-TRICHLOROETHANE see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

DY38500. BIS-CME see:KN15750 ETHER,BIS(CHLOROMETHYL)

DY93500. 4,4'-BIS(DIMETHYLAMINO)-BENZHYDRYLIDENIMINE HYDROCHLORIDE see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

DY94500. 4:4'-BIS(DIMETHYLAMINO)BENZOPHENONE-IMINE HYDROCHLORIDE see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

DZ19650. 1,1-BIS(p-DIMETHYLAMINOPHENYL)METHYLENIMINE HYDROCHLORIDE see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

DZ20000. BIS-DIMETHYLDITHIOCARBAMATE DE ZINC (French) see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

DZ21000. BIS(DIMETHYLDITHIOCARBAMATO)ZINC see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

DZ29300. BIS(N,N-DIMETIL-DITIOCARBAMMATO) DI ZINCO (Italian) see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

DZ42000. N,N-BIS(2-(2,3-EPOXYPROPOXY)ETHYL)ANILINE see:BW87500 ANILINE, N,N-BIS(2-(2,3-EPOXYPROPOXY)ETHYL)-

DZ49000. N,N-BIS(2,3-EPOXYPROPYL)-p-TOLUENESULFONAMIDE see:XT56000 p-TOLUENESULFONAMIDE, N,N-BIS(2,3-EPOXYPROPYL)-

DZ91000. 2,2-BIS(ETHYLSULFONYL)BUTANE see:BJ52500 BUTANE, 2,2-BIS(ETHYLSULFONYL)-

EA07000. 1,1-BIS(4-FLUOROPHENYL)-2-PROPYNYL N-CYCLOHEPTYLCARBAMATE see:GU31500 CYCLOHEPTANECARBAMIC ACID, 1,1-BIS(p-FLUOROPHENYL)-2-PROPYNYL ESTER

EA08750. 1,1-BIS(4-FLUOROPHENYL)-2-PROPYNYL N-CYCLOOCTYL CARBAMATE see:GX96250 CYCLOOCTANECARBAMIC ACID, 1,1-BIS(p-FLUOROPHENYL)-2-PROPYNYL ESTER

EA38500. BIS(2-HYDROXYETHYL)DITHIOCARBAMIC ACID, MONOPOTASSIUM SALT see:EY94500 CARBAMIC ACID, BIS(2-HYDROXYETHYL)DITHIO-, MONOPOTASSIUM SALT

EA38900. BIS(2-HYDROXYETHYL)DITHOCARBAMIC ACID, POTASSIUM SALT see:EY94500 CARBAMIC ACID, BIS(2-HYDROXYETHYL)DITHIO-, MONOPOTASSIUM SALT

EA49000. 3,6-(BIS(4-((2-HYDROXYETHYL)SULFONYL)PHENYL)BIS(AZO))-5-AMINO-4-HYDROXY-2,7-NAPHTHALENEDISULFONIC ACID, DI(HYDROGEN SULFATE) (ester), TETRASODIUM SALT
CAS: 012225251 MW: 995.92 MOLFM: N5-O19-S6-C26-H25 .4Na
SYN: REMAZOL BLACK B *
TXDS: orl-rat TDLo:72 gm/kg/2YI TFX:NEO VOONAW 13,53,67

EA55000. 9:10-BISHYDROXYMETHYL-1:2-BENZANTHRACENE see:CW19250 BENZ(a)ANTHRACENE-7,12-DIMETHANOL

EA58850. 3,4-BIS(p-HYDROXYPHENYL)HEXANE see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

EA59200. meso-3,4-BIS(p-HYDROXYPHENYL)-n-HEXANE see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

EA59500. 3,4-BIS(p-HYDROXYPHENYL)-3-HEXENE see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

EA87500. 1,4-BIS(METHANESULFONOXY)BUTANE see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

EA89250. BIS(METHANESULFONYL)-D-MANNITOL see:OP29750 MANNITOL, 1,6-DIMETHANESULFONATE, D-

EA91000. (1,4-BIS(METHANESULFONYLOXY)BUTANE) see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

EA92750. 2,5-BISMETHOXYETHOXY-3,6-BISETHYLENEIMINO-1,4-BENZOQUINONE see:DK33250 p-BENZOQUINONE, 2,5-BIS(1-AZIRIDINYL)-3,6-BIS(2-METHOXYETHOXY)-

EA94500. 3,6-BIS(beta-METHOXYETHOXY)-2,5-BIS(ETHYLENEIMINO)-p-BENZOQUINONE see:DK33250 p-BENZOQUINONE, 2,5-BIS(1-AZIRIDINYL)-3,6-BIS(2-METHOXYETHOXY)-

EB18200. N-BISMETHYLPTEROYLGLUTAMIC ACID see:MA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

EB19250. 1,6-BIS-O-METHYLSULFONYL-D-MANNITOL see:OP29750 MANNITOL, 1,6-DIMETHANESULFONATE, D-

EB24500. BISMORPHOLINO METHANE see:QE61250 MORPHOLINE, 4,4'-METHYLENEDI-

EB99000. BIS(2,4,6-TRINITRO-PHENYL)-AMIN (German) see:JJ92750 DIPHENYLAMINE, 2,2',4,4',6,6'-HEXANITRO-

EC08750. 4,4'-BI-o-TOLUIDINE see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

EC12250. (m,o'-BITOLYL)-4-AMINE
TXDS: scu-ham TDLo:2000 mg/kg/20WI TFX:CAR JNCIAM 48,1733,72

EC17500. BIURET, 1-ETHYL-1-NITROSO-
CAS: 032976888 MW: 160.16 MOLFM: N4-O3-C4-H8
WLN: ZVMVN2&NO
SYN: ETHYLNITROSOBIURET * N-ETHYL-N-NITROSOBIURET *
TXDS: orl-rat LD50:500 mg/kg TCIA** -,45,73
orl-rat TDLo:40 mg/kg TFX:CAR ZEKBAI 76,45,71
orl-rat TDLo:100 mg/kg/(15D Preg) TFX:TER TCIA** -,45,73

EC19250. BIURET, 1-METHYL-1-NITROSO-
CAS: 013860690 MW: 146.13 MOLFM: N4-O3-C3-H6
WLN: 2OVM1
SYN: N-METHYL-N-NITROSOBIURET * 1-METHYL-1-NITROSOBIURET * N-METHYL-N-NITROSO-N'-CARBAMOYLUREA *
TXDS: orl-rat LD50:450 mg/kg TCIS** -,-,72
orl-rat TDLo:25 mg/kg TFX:CAR ZEKBAI 75,229,71

EC26250. gamma-BL see:LU35000 2(3H)-FURANONE, DIHYDRO-

EC30000. BLA see:OP87500 LEAD, BIS(ACETATO)TETRAHYDROXYTRI-

EC31750. 11557 BLACK see:OM49000 MAGNETITE

EC32000. BLACK GOLD P-89 see:OM49000 MAGNETITE

EC32500. BLACK IRON OXIDE see:OM49000 MAGNETITE

EC34000. BLACK OXIDE see:OM49000 MAGNETITE

EC59850. BLEIAZETAT (German) see:OF80500 LEAD ACETATE (II), TRIHYDRATE

EC60000. BLEU BRILLIANT FCF see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)- 2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

EC60150. BLEU PATENTE V see:IB91000 (4-(alpha-(p-(DIETHYLAMINO)PHENYL)-2,4-DISULFOBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLI= DENE)DIETHYLAMMONIUM HYDROXIDE inner salt, SODIUM SALT

EC60220. L-BLAU 3 see:IB91000 (4-(alpha-(p-(DIETHYLAMINO)PHENYL)-2,4-DISULFOBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLI= DENE)DIETHYLAMMONIUM HYDROXIDE inner salt, SODIUM SALT

EC61250. 1206 BLUE see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

EC62000. 1311 BLUE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

EC63000. 11388 BLUE see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

EC63500. 12070 BLUE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

EC64400. BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

EC64750. BLUE 3B see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

EC66500. BLUE BASE IRGA B see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

EC68250. BLUE BASE NB see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

EC71000. BLUE 2B SALT see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

EC71750. BLUE EMB see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

EC73500. BLUE NB BASE see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

EC75250. BLUE NB SALT see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

EC80500. BLU-PHEN see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

EC82250. BLUE SALT IRGA B see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

EC84000. BLUE SALT NB see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

EC85750. BLUE VRS see:IB91000 (4-(alpha-(p-(DIETHYLAMINO)PHENYL)-2,4-DISULFOBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLI= DENE)DIETHYLAMMONIUM HYDROXIDE inner salt, SODIUM SALT

EC94850. BNUR see:EZ12750 CARBAMIC ACID, N-BUTYL-N-NITROSO-, ETHYL ESTER

EC98400. BOH see:KL28000 ETHANOL, 2-HYDRAZINO-

ED07000. BONAZEN see:WT17500 SULFURIC ACID, ZINC SALT (1:1)

ED10500. BORACIC ACID see:ED45500 BORIC ACID

ED39000. BORDEAUX S EXTRA CONC. A.EXPORT see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

ED39500. BORDEAUX S EXTRA PURE A see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

ED45500. BORIC ACID
CAS: 0 10043353 MW: 61.84 MOLFM: O3-B-H3
WLN: QBQQ
SYN: BORACIC ACID * ORTHOBORIC ACID *
TXDS: scu-inf LDLo:280 mg/kg MRLR** No.2,50
skn-chd LDLo:1500 mg/kg MRLR** No.2,50
orl-hmn LDLo:640 mg/kg JAMAAP 76,378,21

orl-inf LDLo:200 mg/kg	JAMAAP	90,382,28
skn-hmn TDLo:143 mg/kg TFX:EYE	JAMAAP	129,332,45
skn-hmn LDLo:8600 mg/kg TFX:CNS	JAMAAP	129,332,45
ivn-hmn LDLo:29 mg/kg	JAMAAP	129,332,45
skn-chd TDLo:400 mg/kg/4D TFX:SKN	MMWOAD	52,763,1905
skn-man TDLo:2430 mg/kg TFX:CNS	JAMAAP	128,266,45
skn-chd TDLo:1500 mg/kg TFX:CNS	QJPPAL	6,714,1933
orl-rat LD50: 2660 mg/kg	JAMAAP	128,266,45
ivn-rat LD50:1330 mg/kg	MRLR**	No.2,50
orl-mus LD50:3450 mg/kg	JAMAAP	128,266,45
scu-mus LD50:1740 mg/kg	JAMAAP	128,266,45
ivn-mus LD50:1780 mg/kg	MRLR**	No.2,50
ivg-mus TDLo:8 gm/kg/50W TFX:NEO	BJCAAI	20,184,66
orl-dog LDLo:1780 mg/kg	JAMAAP	128,266,45
scu-dog LDLo:1000 mg/kg	JAMAAP	128,266,45
orl-rbt LDLo:4000 mg/kg	MRLR**	No.2,50
scu-gpg LD50:1200 mg/kg	MRLR**	No.2,50

ED92750. BOTRILEX see:DA66500 BENZENE, PENTACHLORONITRO-

EE01750. BOVOLIDE see:LU40250 2(5H)-FURANONE, 3,4-DIMETHYL-5-PENTYLIDENE-

EE07000. BP see:DJ36750 BENZ(a)PYRENE

EE08000. BP 5015 see:NS17500 ISONICOTINIC ACID HYDRAZIDE

EE08750. B(a)P see:DJ36750 BENZO(a)PYRENE

EE10500. B(e)P see:DJ42000 BENZO(e)PYRENE

EE12250. 3,4-BP see:DJ36750 BENZO(a)PYRENE

EE14000. BPL see:RQ73500 2-OXETANONE

EE15200. BRACKEN FERN
TXDS: orl-rat TDLo:3050 gm/kg/17WC TFX:CAR JNCIAM 45,179,70
orl-ctl TDLo:495 gm/kg/68WC TFX:NEO CNREA8 27,917,69

EE15400. BRASILAMINA BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

EE15750. BRASILAMINA BLUE 3B see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

EE20000. BRASILAZINA OIL ORANGE see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

EE21000. BRASILAZINA OIL RED B see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO-

EE22000. BRASILAZINA OIL SCARLET 6G see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

EE24500. BRASILAZINA OIL YELLOW R see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

EE24750. BRASILAZINA ORANGE Y see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

EE25000. BRASILAZINE OIL YELLOW G see:BY82250 ANILINE, p-(PHENYLAZO)-

EE26250. BRASSICOL see:DA66500 BENZENE, PENTACHLORONITRO-

EE28000. BRENTAMINE FAST BLUE B BASE see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

EE29750. BRENTAMINE FAST BLUE B SALT see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

EE34000. BREON see:KV03500 ETHYLENE, CHLORO- POLYMER

EE70000. BRILLIANT BLUE see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

EE71750. BRILLIANT BLUE FCF see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-

EE73500. BRILLIANT BLUE LAKE see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

EE80500. BRILLIANT FAST OIL YELLOW see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

EE82250. BRILLIANT FAST SPIRIT YELLOW see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

EF01750. BRILLIANT GREEN 3EMBL see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

EF24000. BRILLIANT OIL ORANGE Y BASE see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

EF24500. BRILLIANT OIL YELLOW see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

EF26250. BRILLIANT PONCEAU 3R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

EF28000. BRILLIANT PONCEAU 4R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

EF29750. BRILLIANT PONCEAU 5R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

EF31500. BRILLIANT PONCEAU 4RC see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

EF33250. BRILLIANT PONCEAU 4RC SPECIALLY PURE see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

EF35000. BRILLIANT PONCEAU 3RF see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

EF36750. BRILLIANT SCARLET see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

EF38500. BRILLIANT SCARLET 3R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

EF40250. BRILLIANT SCARLET 4R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

EF67500. BROMADEL see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

EF79600. BROMDIETHYLACETYLUREA see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

EG08000. BROMOACETIC ACID, ETHYL ESTER see:AF60000 ACETIC ACID, BROMO-, ETHYL ESTER

EG21000. 10-BROMO-1,2-BENZANTHRACENE
MW: 307.20 MOLFM: Br-C18-H11
WLN: L D6 R666J JE
TXDS: scu-rat TDLo:16.4 mg/kg TFX:CAR SCPHA4 22,224,54

EG33250. alpha-BROMO-beta,beta-BIS(p-ETHOXYPHENYL)STYRENE see:WL40250 STYRENE, alpha-BROMO-beta,beta-BIS(p-ETHOXYPHENYL)-

EG34000. 4-BROMO-7-BROMOMETHYLBENZ(a)ANTHRACENE see:CW02500 BENZ(a)ANTHRACENE, 4-BROMO-7-BROMOMETHYL-

EG60000. BROMODIETHYLACETYLCARBAMIDE see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

EG60500. BROMODIETHYLACETYLUREA see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

EG61250. 5-BROMO-9,10-DIMETHYL-1,2-BENZANTHRACENE see:CW03500 BENZ(a)ANTHRACENE, 8-BROMO-7,12-DIMETHYL-

EG66900. (alpha-BROMO-alpha-ETHYLBUTYRYL)CARBAMIDE see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

EG67300. (alpha-BROMO-alpha-ETHYLBUTYRYL)UREA see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

EG67700. 2-BROMO-2-ETHYLBUTYRYLUREA see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

EG87750. 7-BROMOMETHYLBENZ(a)ANTHRACENE see:CW03800 BENZ(a)ANTHRACENE, 7-BROMOMETHYL-

EG87830. 6-BROMOMETHYLBENZO(a)PYRENE see:DJ48500 BENZO(a)PYRENE, 6-BROMOMETHYL-

EG88150. 7-BROMOMETHYL-4-CHLOROBENZ(a)ANTHRACENE see:CW04000 BENZ(a)ANTHRACENE, 7-BROMOMETHYL-4-CHLORO-

EG89000. 7-BROMOMETHYL-1-METHYLBENZ(a)ANTHRACENE see:CW04500 BENZ(a)ANTHRACENE, 7-BROMOMETHYL-1-METHYL-

EG89250. 7-BROMOMETHYL-12-METHYLBENZ(a)ANTHRACENE see:CW05250 BENZ(a)ANTHRACENE, 7-BROMOMETHYL-12-METHYL-

EG94500. 3-BROMO-4-NITROQUINOLINE 1-OXIDE see:VB05250 QUINOLINE, 3-BROMO-4-NITRO-, 1-OXIDE

EH17500. beta-BROMOPROPIONIC ACID see:UE78750 PROPIONIC ACID, 3-BROMO-

EH19250. 3-BROMOPROPIONIC ACID see:UE78750 PROPIONIC ACID, 3-BROMO-

EH43750. 3-BROMOTRICYCLOQUINAZOLINE
MW: 399.36 MOLFM: N4-Br-C21-H11
TXDS: skn-mus TDLo:1200 mg/kg/1YI TFX:CAR BJCAAI 16,275,62

EH86500. BROWN OXIDES of IRON see:OM49000 MAGNETITE

EH92750. BRUCITE
CAS: 0017317437 MW: 58.33 MOLFM: O2-Mg-H2
TXDS: ipl-mus TDLo:500 mg/kg TFX:NEO BJEPA5 53,190,72

EI15750. BUCACID AZURE BLUE see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

EI17500. BUCACID BRILLIANT SCARLET 3R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

EI21000. BUCACID GUINEA GREEN BA see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

EI21500. BUCACID INDIGOTINE B see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

EI22000. BUCACID WOOL GREEN see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

EI40250. BUFEN see:OV64750 MERCURY, (ACETATO)PHENYL-

EI43750. BUFOPTO ZINC SULFATE see:WT17500 SULFURIC ACID, ZINC SALT (1:1)

EI59500. BULPUR see:GS68250 CYANIC ACID, POTASSIUM SALT

EI63000. BUNSENITE see:QR84000 NICKEL (2+) OXIDE

EI70000. BURNISH GOLD see:MD50750 GOLD

EI75250. BUSULFAN see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

EI77000. BUSULPHAN see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

EJ01750. BUTADIENE DIEPOXIDE see:EJ82250 BUTANE, 1,2:3,4-DIEPOXY-

EJ03500. L-BUTADIENE DIEPOXIDE see:EJ85750 BUTANE, L-1,2:3,4-DIEPOXY-

EJ05250. BUTADIENE DIOXIDE see:EJ82250 BUTANE, 1,2:3,4-DIEPOXY-

EJ05600. dl-BUTADIENE DIOXIDE see:EJ84000 BUTANE, (+-)-1,2:3,4-DIEPOXY-

EJ40250. 1-BUTANAMINE, N-BUTYL-N-NITROSO-
CAS: 000924163 MW: 158.28 MOLFM: N2-O-C8-H18
WLN: ONN4&4
SYN: BUTYLAMINE, N-NITROSODI- * DBN * DBNA * DIBUTYLAMINE, N-NITROSO- * DI-n-BUTYLNITROSAMINE * N-NITROSODIBUTYLAMINE *
TXDS: orl-rat TDLo:3900 mg/kg/56WI TFX:CAR ARZNAD 19,1077,69
scu-rat LD50:1200 mg/kg XENO** 3,271,73
scu-rat TDLo:10 gm/kg/52WI TFX:CAR NATWAY 49,111,62
orl-mus TDLo:3650 mg/kg/1YC TFX:CAR GANNA2 60,353,69
scu-mus TDLo:3200 mg/kg/32WI TFX:CAR BECCAN 46,271,68
orl-gpg TDLo:46 gm/kg/126WI TFX:CAR ZEKBAI 71,183,68
orl-ham TDLo:7500 mg/kg/25WI TFX:CAR PSEBAA 136,168,71
scu-ham LD50:561 mg/kg PSEBAA 136,168,71
scu-ham TDLo:7500 mg/kg/25WI TFX:CAR PSEBAA 136,168,71

EJ52500. BUTANE, 2,2-BIS(ETHYLSULFONYL)-
CAS: 000076200 MW: 242.32 MOLFM: O4-S2-C8-H18
WLN: WS2&X2&&SW2
SYN: 2,2-BIS(ETHYLSULFONYL)BUTANE * DIETHYLSULFONMETHYLETHYLMETHANE * ETHYLSULFONAL * METHYLSULFONAL * SULFONETHYLMETHANE * TIONAL * TRIONAL *
TXDS: skn-mus TDLo:1900 mg/kg/WI TFX:NEO BJCAAI 9,177,55

EJ82250. BUTANE, 1,2:3,4-DIEPOXY-
CAS: 001464535 MW: 86.06 MOLFM: O2-C4-H6
WLN: T3OTJ B- 2
SYN: 1,1'-BI(ETHYLENE)OXIDE * BIOXIRAN * BIOXIRANE * BUTADIENE DIEPOXIDE * BUTADIENE DIOXIDE * 1,2:3,4-DIEPOXYBUTANE * THREITOL, 1,2:3,4-DIANHYDRO- *

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          TXDS: orl-rat LD50:78 mg/kg                                    AMIHBC 10,61,54
                ihl-rat LC50:90 ppm/4H                                   SCCUR* -,2,61
                ipr-rat TDLo:38 mg/kg/13WI TFX:NEO                       BJPCAL 6,235,51
                orl-mus LD50:72 mg/kg                                    SCCUR* -,2,61
                ihl-mus TDLo:3400 mg/kg TFX:NEO                          RARSAM 3,193,63
                skn-rbt LD50:89 mg/kg                                    AMIHBC 10,61,54

EJ84000. BUTANE, (+-)-1,2:3,4-DIEPOXY-
          CAS: 000298180      MW: 86.10          MOLFM: O2-C4-H6
          WLN: T3OTJ B- 2 -DL
          SYN: dl-BUTADIENE DIOXIDE   *  d,l-1,2:3,4-DIEPOXYBUTANE   *
          TXDS: orl-rat LD50:210 mg/kg                                   IHFCAY 6,7,67
                ihl-rat LC50:56 ppm/4H                                   IHFCAY 6,7,67
                scu-rat TDLo:340 mg/kg/67W TFX:CAR                       JNCIAM 37,825,66
                skn-mus LDLo:400 mg/kg                                   JNCIAM 31,41,63
                skn-mus TDLo:13 gm/kg/11WI TFX: CAR                      JNCIAM 31,41,63
                scu-mus TDLo:336 mg/kg/84WI TFX:NEO                      JNCIAM 37,825,66
                skn-rbt LD50:800 mg/kg                                   IHFCAY 6,7,67

EJ85750. BUTANE, L-1,2:3,4-DIEPOXY-
                          MW: 86.10          MOLFM: O2-C4-H6
          WLN: T3OTJ B- 2 -L
          SYN: L-BUTADIENE DIEPOXIDE   *  L-1,2:3,4-DIEPOXYBUTANE   *  NSC-32606   *
          TXDS: ipr-mus LD50:61 mg/kg                                    NCISA* PH-43-63-1132
                ipr-mus TDLo:110 mg/kg/4W TFX:NEO                        JNCIAM 36,915,66
                par-mus TDLo:192 mg/kg/4WI TFX:NEO                       NCISA* PH-43-62-483

EJ87500. BUTANE, 1,2:3,4-DIEPOXY-, meso-
          CAS: 000564001      MW: 86.10          MOLFM: O2-C4-H6
          WLN: T3OTJ B- 2
          SYN: meso-DIEPOXYBUTANE   *  meso-1,2,3,4-DIEPOXYBUTANE   *  ERYTHRITOL ANHYDRIDE
               *  ERYTHRITOL, 1,2:3,4-DIANHYDRO-   *
          TXDS: skn-mus LDLo:400 mg/kg                                   JNCIAM 31,41,63
                skn-mus TDLo:26 gm/kg/22WI TFX:CAR                       JNCIAM 31,41,63
                ipr-mus LD50:25 mg/kg                                    12VXA5 8,418,68

EJ89250. BUTANE, 1,2:3,4-DIEPOXY-2-METHYL-
          CAS: 006341851      MW: 100.13         MOLFM: O2-C5-H8
          WLN: T3OTJ B- BT3OTJ B
          SYN: 1,2:3,4-DIEPOXY-2-METHYLBUTANE   *
          TXDS: ihl-mus TDLo:801 mg/kg TFX:NEO                           RARSAM 3,193,63

EJ99000. BUTANEDIOIC ANHYDRIDE    see:WN08750 SUCCINIC ANHYDRIDE

EK17500. 1,4-BUTANEDIOL DIMETHYLSULFONATE
          CAS: 000055981      MW: 246.32         MOLFM: O6-S2-C6-H14
          WLN: WS1&O2 2U -C
          SYN: 1,4-BIS(METHANESULFONOXY)BUTANE   *  (1,4-BIS(METHANESULFONYLOXY)BUTANE)
               *  BUSULFAN   *  BUSULPHAN   *  1,4-BUTANEDIOL DIMETHYLSULFONATE   *  1,
               4-DIMETHANESULFONOXYBUTANE   *  1,4-DIMETHANESULFONOXYLBUTANE   *  1,
               1,4-DIMETHANESULFONYLOXYBUTANE   *  1,4-DI(METHANESULFONYLOXY)BUTANE   *  1,
               4-DIMETHANESULPHONYLOXYBUTANE   *  1,4-DIMETHYLSULFONOXYBUTANE   *  1,4-
               DIMETHYLSULFONYLOXYBUTANE   *  GT 2041   *  MABLIN   *  METHANESULFONIC
               ACID, TETRAMETHYLENE ESTER   *  MITOSTAN   *  MYELOSAN   *  MYLERAN   *  NSC-
               750   *  TETRAMETHYLENE BIS(METHANESULFONATE)   *  TETRAMETHYLENE DIMETHANE
               SULFONATE   *
          TXDS: orl-rat TDLo:10 mg/kg/(9D preg) TFX:TER                  NDKIA2 14,61,66
                ipr-rat LD50:18 mg/kg                                    BCPCA6 1,39,58
                ipr-rat TDLo:10 mg/kg(13D of preg) TFX:TER               JRPFA4 5,87,63
                orl-mus TDLo:100 mg/kg/(7D preg) TFX:TER                 NDKIA2 14,61,66
                skn-mus TDLo:240 mg/kg/9W TFX:NEO                        BJCAAI 9,177,55
                ipr-mus LDLo:75 mg/kg                                    TXAPA9 23,288,72
                ivn-mus TDLo:48 mg/kg/42DI TFX:NEO                       CNREA8 25,20,65
                unk-mus LD50:46 mg/kg                                    BJCAAI 6,160,52

EK45500. BUTANE, METHYL-AZOXY-
          SYN: METHYL-AZOXY-BUTANE   *
          TXDS: scu-rat TDLo:2130 mg/kg/71WI TFX:CAR                     TCIS** -,-,72

EK60900. 1,4-BUTANESULTONE    see:RP43000 1,2-OXATHIANE 2,2-DIOXIDE

EK61250. 5H,6H-6,5a,13a,14-(1,2,3,4)BUTANETETRAYLCYCLOOCTA(1,2-b:5,6-b')DINAPHTHALENE-=
         5,8,13,16(14H)-TETRONE, 1,4,7,9,12,15,17,20-OCTAHYDROXY-3,11-DIMETHYL-
          CAS: 010088796      MW: 572.52         MOLFM: O12-C30-H22
          SYN: LUTEOSKYRIN   *
          TXDS: orl-mus LD50:221 mg/kg                                   PCTXAV 10,193,72
                orl-mus TDLo:1296 mg/kg/31WC TFX:CAR                     PCTXAV 10,193,72
                scu-mus LD50:147 mg/kg                                   PCTXAV 10,193,72
                ivn-mus LD50:6650 ug/kg                                  PCTXAV 10,193,72
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EL10500. BUTANOL (4)-BUTYL-NITROSAMINE see:EL12250 1-BUTANOL, 4-(BUTYLNITROSAMINO)-

EL12250. 1-BUTANOL, 4-(BUTYLNITROSAMINO)-
CAS: 003817116 MW: 174.28 MOLFM: N2-O2-C8-H18
WLN: Q4N4&NO
SYN: BBN * BUTANOL (4)-BUTYL-NITROSAMINE * N-BUTYL-N-(4-HYDROXYBUTYL)NITROSAMINE * 4-(BUTYLNITROSAMINO)-1-BUTANOL *
TXDS: orl-rat LD50:1800 mg/kg XENO** 3,271,73
orl-rat TDLo:2800 mg/kg/8WC TFX:CAR GANNA2 60,401,69

EL42000. 1,2-BUTANOLIDE see:LU35000 2(3H)-FURANOEN DIHYDRO-

EL43750. 1,4-BUTANOLIDE see:LU35000 2(3H)-FURANONE DIHYDRO-

EM68250. cis-BUTENEDIOIC ANHYDRIDE see:ON36750 MALEIC ANHYDRIDE

EM73500. 1-BUTENE, 3,4-EPOXY-
CAS: 000930223 MW: 70.10 MOLFM: O-C4-H6
WLN: T3OTJ B1U1
SYN: 1,2-EPOXYBUTENE-3 * 3,4-EPOXY-1-BUTENE *
TXDS: skn-mus TDLo:408 gm/kg/34WI TFX:NEO JNCIAM 31,41,63
ipr-mus LDLo:8 mg/kg CBCCT* 1,44,49

EN97600. BUTTERGELB (German) see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

EO01750. BUTTER OF ZINC see:ZH14000 ZINC CHLORIDE

EO03500. BUTTER YELLOW see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

EO50750. BUTYLAMINE, N-ETHYL-N-NITROSO-
CAS: 004549444 MW: 130.22 MOLFM: N2-O-C6-H14
WLN: ONN4&2
SYN: AETHYL-n-BUTYL-NITROSOAMIN (German) * ETHYL-n-BUTYLNITROSAMINE * N-ETHYL-N-NITROSOBUTYLAMINE *
TXDS: orl-rat LD50:380 mg/kg NATWAY 50,100,63
orl-rat TDLo:1000 mg/kg/29WC TFX:CAR ARZNAD 19,1077,69
ivn-rat TDLo:1000 mg/kg/40WI TFX:CAR ARZNAD 19,1077,69
orl-mus TDLo:2360 mg/kg/34WC TFX:CAR NATWAY 50,717,63

EO51000. t-BUTYLAMINE, N-ETHYL-N-NITROSO-
CAS: 004549444 MW: 130.22 MOLFM: N2-O-C6-H14
WLN: ONN4&Z
SYN: AETHYL-t-BUTYL-NITROSOAMIN (German) * ETHYL-t-BUTYLNITROSOAMINE *
TXDS: orl-rat LD50:1600 mg/kg NATWAY 50,100,63
orl-rat TDLo:370 mg/kg TFX:NEO NATWAY 50,735,63

EO54250. BUTYLAMINE, N-METHYL-N-NITROSO-
CAS: 007068839 MW: 116.19 MOLFM: N2-O-C5-H12
WLN: ONN4&1
SYN: MBNA * METHYL-BUTYL-NITROSAMIN (German) * METHYLBOTYLNITROSAMINE * N-METHYL-N-NITROSOBUTYLAMINE *
TXDS: ihl-rat TCLo:25 ppm/23WI TFX:CAR ZEKBAI 71,135,68
scu-rat TDLo:30 mg/kg TFX:CAR TCIS** -,-,72

EO57750. BUTYLAMINE, N-NITROSODI see:EJ40250 1-BUTANAMINE, N-BUTYL-N-NITROSO-

EO96250. 5-n-BUTYL-1:2-BENZANTHRACENE see:CW07000 BENZ(a)ANTHRACENE, 8-BUTYL-

EP19250. BUTYL CARBAMATE see:EZ01750 CARBAMIC ACID, BUTYL ESTER

EP47880. t-20-BUTYLCHOLANTHRENE see:PZ27000 CHOLANTHRENE, 20-t-BUTYL-

EP63000. 4'-n-BUTYL-4-DIMETHYLAMINOAZOBENZENE see:BW96250 ANILINE, p-((p-BUTYLPHENYL)AZO)-N,N-DIMETHYL-

EP64750. 4'-t-BUTYL-4-DIMETHYLAMINOAZOBENZENE see:BW98000 ANILINE, p-((p-(t-BUTYL)PHENYL)AZO)-N,N-DIMETHYL-

EQ15750. BUTYL-9,10-EPOXYSTEARATE see:RG15750 OCTADECANOIC ACID, 9,10-EPOXY-, BUTYL ESTER

EQ56000. 6-BUTYL-4-HYDROXYAMINOQUINOLINE 1-OXIDE see:VB07000 QUINOLINE, 6-BUTYL-4-HYDROXYAMINO-, 1-OXIDE

EQ59500. N-BUTYL-N-(4-HYDROXYBUTYL)NITROSAMINE see:EL12250 1-BUTANOL, 4-(BUTYLNITROSAMINO)-

ER08750. 6-BUTYL-4-NITROQUINOLINE 1-OXIDE see:VB08750 QUINOLINE, 6-BUTYL-4-NITRO, 1-OXIDE

ER10500. 4-(BUTYLNITROSAMINO)-1-BUTANOL see:EL12250 1-BUTANOL, 4-(BUTYLNITROSAMINO)-

ER11400. N-BUTYL-N-NITROSO ETHYL CARBAMATE see:EZ12750 CARBAMIC ACID, N-BUTYL-N-NITROSO-, ETHYL ESTER

ER12250. n-BUTYLNITROSOUREA see:YS38500 UREA, 1-BUTYL-1-NITROSO-

ER14000. 1-BUTYL-1-NITROSOUREA see:YS38500 UREA, 1-BUTYL-1-NITROSO-

ER14400. N-BUTYL-N-NITROSOURETHAN see:EZ12750 CARBAMIC ACID, N-BUTYL-N-NITROSO-, ETHYL ESTER

ER21800. terc.BUTYLPERBENZOAN (Czech) see:SD94500 PEROXYBENZOIC ACID, t-BUTYL ESTER

ER22750. t-BUTYL PERBENZOATE see:SD94500 PEROXYBENZOIC ACID, t-BUTYL ESTER

ER24500. t-BUTYL PEROXIDE
CAS: 000110054 MW: 146.26 MOLFM: O2-C8-H18
WLN: 1X6&OOX
SYN: CADOX * DI-tert-BUTYLPEROXID (German) * DI-t-BUTYL PEROXIDE * DI-tert-BUTYL PEROXYDE (Dutch) * DTBP * PEROSSIDO DI BUTILE TERZIARIO (Italian) * PEROXYDE DE BUTYLE TERTIAIRE (French) *
TXDS: ipr-rat LD50:3210 mg/kg AIHAAP 19,205,58
ihl-mus TDLo:585 mg/kg TFX:NEO BARSAM 3,193,63

ER25300. t-BUTYL PEROXY BENZOATE see:SD94500 PEROXYBENZOIC ACID, t-BUTYL ESTER

ER33250. 2-(p-BUTYLPHENOXY)ISOPROPYL 2-CHLOROETHYL SULFITE see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

ER34000. 2-p-tert-BUTYLPHENOXYISOPROPYL 2-CHLOROETHYL SULFITE see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

ER35000. beta-(p-tert-BUTYLPHENOXY)-alpha-METHYL-beta-CHLORODIETHYL SULFITE see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

ER36750. 2-(p-BUTYLPHENOXY)-1-METHYLETHYL 2-CHLOROETHYL SULFITE see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

ER38500. p-((p-BUTYLPHENYL)AZO)-N,N-DIMETHYLANILINE see:BW96250 ANILINE, p-((p-BUTYLPHENYL)AZO)-N,N-DIMETHYL-

ER40250. p-((p-t-BUTYLPHENYL)AZO)-N,N-DIMETHYLANILINE see:BW98000 ANILINE, p-((p-(t-BUTYL)PHENYL)AZO)-N,N-DIMETHYL-

ER89250. 3-t-BUTYLTRICYCLOQUINAZOLINE
TXDS: skn-mus TDLo:1200 mg/kg/50WI TFX:CAR BCPCA6 14,323,65

ES68250. BUTYRIC ACID, 2-AMINO-4-(ETHYLTHIO)-
CAS: 000055174 MW: 163.26 MOLFM: N-O2-S-C6-H13
WLN: QVYZ2S2
SYN: 2-AMINO-4-(ETHYLTHIO)BUTYRIC ACID * ETHIONINE * HOMOCYSTEINE, S-ETHYL- *
TXDS: orl-rat TDLo:21 gm/kg/24WC TFX:CAR CNREA8 28,1703,68

ES70000. BUTYRIC ACID, 2-AMINO-4-(ETHYLTHIO)-, DL-
CAS: 000067210 MW: 163.20 MOLFM: N-O2-S-C6-H13
WLN: QVYZ2S2 -DL
SYN: ETH * ETHIONINE, DL- * (±)-ETHIONINE * DL-ETHIONINE * DL-HOMOCYSTEINE, S-ETHYL- * NSC 751 * U-1434 *
TXDS: orl-rat TDLo:21 gm/kg/24WC TFX:NEO CNREA8 28,1703,68
orl-rat TDLo:3250 mg/kg/(9-21D of preg) TFX:TER ARPAAQ 59,232,55
ipr-mus LDLo:1000 mg/kg TXAPA9 23,288,72

ES75250. BUTYRIC ACID, 4-(p-BIS(2-CHLOROETHYL)AMINOPHENYL)-
CAS: 000305033 MW: 304.24 MOLFM: N-O2-C12-C14-H19
WLN: QV3R DW2G2G
SYN: gamma-(p-BIS(2-CHLOROETHYL)AMINOPHENYL)BUTYRIC ACID * 4-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)BUTYRIC ACID * CB 1348 * CHLORAMBUCIL * CHLORAMINOPHENE * CHLOROBUTINE * N,N-DI-2-CHLOROETHYL-gamma-p-AMINOPHENYLBUTYRIC ACID * gamma-(p-DI(2-CHLOROETHYL)AMINOPHENYL)BUTYRIC ACID * LEUKERAN * LEUKERSAN * NSC-3088 *
TXDS: ipr-rat LD50:14 mg/kg BCPCA6 13,969,64
ipr-rat TDLo:6 mg/kg/(10 D of preg) TFX:TER ANREAK 139,145,61
skn-mus TDLo:108 mg/kg/10WI TFX:NEO BJCAAI 10,363,56
ipr-mus LD50:81 mg/kg NCISA* PH-43-63-1132
ipr-mus TDLo:18 mg/kg/4W TFX:CAR JNCIAM 36,915,66

ES81000. BUTYRIC ACID, 4-BUTYLAMINO-N-NITROSO-
MW: 188.26 MOLFM: N2-O3-C8-H16
TXDS: orl-rat TDLo:8400 mg/kg/20WC TFX:CAR GANNA2 63,637,72

ET08750. BUTYRIC ACID, 2,3-EPOXY-, ETHYL ESTER
CAS: 019780359 MW: 118.15 MOLFM: O3-C5-H10
WLN: T3OTJ BVO2 C
SYN: 2,3-EPOXYBUTYRIC ACID, ETHYL ESTER * ETHYL-2,3-EPOXYBUTYRATE *
TXDS: orl-rat LD50:500 mg/kg AIHAAP 24,305,63
scu-mus TDLo:270 mg/kg/68WI TFX:NEO JNCIAM 46,143,71

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          skn-rbt LDLo:2830 mg/kg                                    AIHAAP 24,305,63

ET43750. BUTYRIC ACID, 4-HYDROXY-, gamma-LACTONE    see:LU35000 2(3H)-FURANONE DIHYDRO-

ET73500. BUTYRIN, TRI-
         CAS: 000060015     MW: 302.41        MOLFM: O6-C15-H26
         WLN: 3V01YOV3&1OV3
         SYN: BUTANOIC ACID, 1,2,3-PROPANETRIYL ESTER   *  GLYCEROL TRIBUTYRATE   *  BUTYRYL
              TRIGLYCERIDE   *  GLYCERYL TRIBUTYRATE   *  TRIBUTYRIN   *  TRIBUTYROIN
                *
         TXDS: orl-rat LDLo:3200 mg/kg                                KODAK* -,-,71
               orl-rat TDLo:150 gm/kg/21DC TFX:NEO                    JNCIAM 10,361,49

ET78750. beta-BUTYROLACTONE    see:RQ80500 2-OXETANONE, 4-METHYL-

ET80500. gamma-BUTYROLACTONE    see:LU35000 2(3H)-FURANONE, DIHYDRO-

ET82250. 4-BUTYROLACTONE    see:LU35000 2(3H)-FURANONE, DIHYDRO-

ET99000. BUTYRONITRILE, 1,2-EPOXY-
                            MW: 83.10         MOLFM: N-O-C4-H5
         SYN: 1,2-EPOXYBUTYRONITRILE   *
         TXDS: scu-mus TDLo:325 mg/kg/81WI TFX:NEO                    JNCIAM 46,143,71

EU54750. 1-n-BUTYRYLAZIRIDINE    see:CM64750 AZIRIDINE, 1-n-BUTYRYL

EU58400. BUTYRYLETHYLENEIMINE    see:CM64750 AZIRIDINE, 1-n-BUTYRYL

EU61250. BUTYRYL TRIGLYCERIDE    see:ET73500 BUTYRIN, TRI-

EU75250. C 3172    see:SZ19250 PHOSPHINE OXIDE, TRIS(1-(2-METHYL)AZIRIDINYL)-

EU95000. CADIA DEL PERRO
         TXDS: scu-rat TDLo:15 gm/kg/30WI TFX:NEO                     JNCIAM 46,1131,71
               ims-rat TDLo:2250 mg/kg/61WI TFX:NEO                   JNCIAM 46,1131,71

EU98000. CADMIUM
         CAS: 007440439     MW: 112.40        MOLFM: Cd
         WLN: .CD
         SYN: C.I. 77180   *
         TXDS: ihl-man TDLo:88 ug/m3/8.6Y TFX:SYS                     AEHLAU 28,147,74
               ims-rat LDLo:15 mg/kg                                  NCIUS* PH-43-64-886
               ims-rat TDLo:70 mg/kg TFX:CAR                          BJCAAI 18,124,64
               ims-ham LDLo:25 mg/kg                                  NCIUS* PH-43-64-886
         U.S. OCCUPATIONAL STANDARD USOS-air:TWA 200 ug/m3;CL600 ug/mPEREAC 37,22139,72

EV01750. CADMIUM CHLORIDE
         CAS: 010108642     MW: 183.30        MOLFM: Cl2-Cd
         WLN: .CD..G2
         SYN: CADMIUM DICHLORIDE   *
         TXDS: orl-rat LD50:4000 mg/kg                                12VXA5 8,191,68
               ipr-rat TDLo:3 mg/kg/(9D preg) TFX:TER                 TJADAB 7,237,73
               scu-rat TDLo:4 mg/kg/(14-17D preg) TFX:TER             TXAPA9 22,313,72
               scu-rat TDLo:5499 ug/kg TFX:NEO                        PSEBAA 115,653,64
               ims-rat LD50:25 mg/kg                                  EMSUA8 4,223,46
               ims-rat TDLo:7322 ug/kg TFX:NEO                        ARPAAQ 83,493,67
               par-rat TDLo:2750 ug/kg TFX:NEO                        ARPAAQ 83,493,67
               ihl-dog LCLo:320 mg/m3                                 JIHTAB 29,302,47
               ipr-mus LDLo:1350 mg/kg                                TXAPA9 23,288,72
               scu-mus TDLo:16 mg/kg/(14-17D preg) TFX:TER            TJADAB 8,29,73
               scu-mus TDLo:6 mg/kg TFX:NEO                           JNCIAM 31,745,63
               ihl-dog LC90:8 mg/m3/30MC                              JIHTAB 29,302,47
               scu-rbt TDLo:9 mg/kg TFX:GLN                           JOANAY 97,269,63
         U.S. OCCUPATIONAL STANDARD USOS-air                          PEREAC 37,22139,72

EV03500. CADMIUM DICHLORIDE    see:EV01750 CADMIUM CHLORIDE

EV10500. CADMIUM FUME    see:EV19250 CADMIUM OXIDE

EV15750. CADMIUM LEMON YELLOW 527    see:EV31500 CADMIUM SULFIDE

EV19250. CADMIUM OXIDE
         CAS: 001306190     MW: 128.40        MOLFM: O-Cd
         WLN: .CD..O
         SYN: KADMU TLENEK (Polish)   *
         TXDS: orl-rat LD50: 72     mg/kg                             HYSAAV  33,187,68
               ihl-rat LC50:500 mg/m3                                 JIHTAB 29,279,47
               scu-rat TDLo:90 mg/kg TFX:CAR                          BJCAAI 20,190,66
               ihl-mus LC50:700 mg/m3/10M                             JIHTAB 29,279,47
               ihl-dog LC50:4000 mg/m3/10M                            JIHTAB 29,279,47
               ihl-rbt LC50:2500 mg/m3/10M                            JIHTAB 29,279,47
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ihl-gpg LC50:3500 mg/m3/10M JIHTAB 29,279,47
orl-mam LD50:72 mg/kg HYSAAV 33,187,68
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 100 ug/m3; CL 300 ugPEREAC 39,23543,74

EV22750. CADMIUM PRIMROSE 819 see:EV31500 CADMIUM SULFIDE

EV27000. CADMIUM SULFATE (1:1)
CAS: 010124364 MW: 208.46 MOLFM: O4-S .Cd
WLN: .CD..S-O4
TXDS: scu-rat TDLo:2 mg/kg/10WI TFX:CAR BJCAAI 18,667,64
ipr-mus LD50:69 mg/kg CORFAF 256,1043,63
scu-mus TDLo:22 mg/kg/11WI TFX:NEO BJCAAI 18,667,64
scu-dog LD50:27 mg/kg 27ZSAM 4.7b,1317,-
ivn-ham TDLo:2 mg/kg/(8D preg) TFX:TER N ATOAS 216,1123,67

EV29000. CADMIUM SULFATE TETRAHYDRATE
CAS: 013477219 MW: 280.54 MOLFM: O4-S .Cd .4O-H2
TXDS: scu-rat TDLo:25 mg/kg/10W TFX:CAR BJCAAI 18,667,64

EV31500. CADMIUM SULFIDE
CAS: 001306236 MW: 144.46 MOLFM: S-Cd
WLN: .CD..S
SYN: AURORA YELLOW * CADMIUM GOLDEN 366 * CADMIUM LEMON YELLOW 527 * CADMIUM ORANGE * CADMIUM PRIMROSE 819 * CADMIUM SULPHIDE * CADMIUM YELLOW * CADMIUM YELLOW CONC. DEEP * CADMIUM YELLOW CONC. GOLDEN * CADMIUM YELLOW CONC. LEMON * CADMIUM YELLOW CONC. PRIMROSE * CADMIUH YELLOW OZ DARK * CADMIUM YELLOW PRIMROSE 47-4100 * CADMIUM YELLOW 000 * CADMIUM YELLOW 10G CONC * CADMIUM YELLOW 892 * CADMOPUR GOLDEN YELLOW N * CADMOPUH YELLOW * CAPSEBON * C.I. 77199 * C.I. PIGMENT ORANGE 20 * C.I. PIGMENT YELLOW 37 * FERRO LEMON YELLOW * FERRO ORANGE YELLOW * FERRO YELLOW * GREENOCKITE *
TXDS: ims-rat TDLo:150 mg/kg TFX:CAR BJCAAI 20,190,66
scu-rat TDLo:90 mg/kg TFX:CAR BJCAAI 20,190,66
ims-rat TDLo:250 mg/kg TFX:NEO NATOAS 198,1213,63

EV33250. CADMIUM SULPHIDE see:EV31500 CADMIUM SULFIDE

EV35000. CADMIUM YELLOW see:EV31500 CADMIUM SULFIDE

EV36750. CADMIUM YELLOW 000 see:EV31500 CADMIUM SULFIDE

EV38500. CADMIUM YELLOW 892 see:EV31500 CADMIUM SULFIDE

EV40250. CADMIUM YELLOW 10G CONC see:EV31500 CADMIUM SULFIDE

EV42000. CADMIUM YELLOW CONC. DEEP see:EV31500 CADMIUM SULFIDE

EV43750. CADMIUM YELLOW CONC. GOLDEN see:EV31500 CADMIUM SULFIDE

EV45500. CADMIUM YELLOW CONC. LEMON see:EV31500 CADMIUM SULFIDE

EV47250. CADMIUM YELLOW CONC. PRIMROSE see:EV31500 CADMIUM SULFIDE

EV49000. CADMIUM YELLOW OZ DARK see:EV31500 CADMIUM SULFIDE

EV50750. CADMIUM YELLOW PRIMROSE 47-4100 see:EV31500 CADMIUM SULFIDE

EV52500. CADMOPUR GOLDEN YELLOW N see:EV31500 CADMIUM SULFIDE

EV54250. CADMOPUR YELLOW see:EV31500 CADMIUM SULFIDE

EV55000. CADOX see:ER24500 t-BUTYL PEROXIDE

EW01750. CALCIUM CHROMATE (VI) see:GB28000 CHROMIC ACID (H2CRO4), CALCIUM SALT (1:1), DIHYDRATE

EW03500. CALCIUM CHROME YELLOW see:GB28000 CHROMIC ACID (H2CRO4), CALCIUM SALT (1:1), DIHYDRATE

EW43750. CALCOCID BLUE EG see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

EW45500. CALCOCID BLUE 2 G see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

EW47250. CALCOCID BRILLIANT SCARLET 3RN see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

EW50750. CALCOCID GREEN G see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

EW54250. CALCOCID SCARLET 2R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

EW56000. CALCOCID URANINE B4315 see:LM54250 FLUORESCEIN, DISODIUM SALT

EW58600. CALCOGAS ORANGE NC see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

EW59500. CALCOLAKE SCARLET 2R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

EW59800. CALCOMINE BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

EW67000. CALCOZINE ORANGE YS see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

EW73600. CALCOZINE YELLOW OX see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

EW81100. CALOCID GREEN S see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

EW81700. CALOCID GREEN SB see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

EX01750. CAMILAN see:AE71750 ACETANILIDE, 4',4'''-SULFONYLBIS-

EX08750. CAMPAPRIM A 1544 see:XZ38500 s-TRIAZOLE, 3-AMINO-

EX22750. CAN see:RN85750 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ANHYDRIDE, 2,3-DIMETHYL-

EX23500. CANACERT AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

EX24500. CANACERT BRILLIANT BLUE FCF see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

EX25800. CANACERT INDIGO CARMINE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

EX26250. CANACERT SUNSET YELLOW FCF see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

EX28000. CANARY CHROME YELLOW 40-2250 see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

EX40250. CANDIDA ALBICANS, PETROLEUM ETHER EXTRACT
TXDS: scu-mus TDLo:2400 mg/kg/4W TPX:NEO CNREA8 28,2276,68

EX42000. CANDIDA PARAPSILOSIS, ETHYL ACETATE EXTRACT
TXDS: scu-mus TDLo:1296 mg/kg/4W TPX:NEO CNREA8 28,2276,68

EX50750. CANDLE SCARLET B see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO-

EX52500. CANDLE SCARLET 2R see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO-

EX54250. CANDLE SCARLET G see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO-

EX68250. CANTHARIDES CAMPHOR see:RN85750 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ANHYDRIDE, 2,3-DIMETHYL-

EX70000. CANTHARIDIN see:RN85750 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ANHYDRIDE, 2,3-DIMETHYL-

EY17500. CAPROKOL see:VB15750 RESORCINOL, 4-HEXYL-

EY26250. epsilon-CAPROLACTAM POLYMER
WLN: /*VM5*/
TXDS: ipr-rat TDLo:2 film discs per rat TPX:CAR ZENBAX 76,353,52

EY28000. CAPROLIN see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

EY28800. CAPROLON see:RF52500 NYLON

EY36000. CAPROYLETHYLENEIMINE see:CM78900 AZIRIDINE, 1-HEXANOYL-

EY49000. CAPSEBON see:EV31500 CADMIUM SULFIDE

EY94500. CARBAMIC ACID, BIS(2-HYDROXYETHYL)DITHIO-, MONOPOTASSIUM SALT
CAS: 023746341 MW: 219.38 MOLFM: N-O2-S2-C5-H10 .K
SYN: BIS(2-HYDROXYETHYL)DITHIOCARBAMIC ACID, MONOPOTASSIUM SALT * BIS(2-HYDROXYETHYL) DITHOCARBAMIC ACID, POTASSIUM SALT *
TXDS: orl-mus TDLo:129 gm/kg/79WIC TFX:CAR JNCIAM 42,1101,69

EZ01750. CARBAMIC ACID, BUTYL ESTER
CAS: 000592358 MW: 117.17 MOLFM: N-O2-C5-H11
WLN: ZVO4
SYN: BUTYL CARBAMATE *
TXDS: ipr-mus LDLo:200 mg/kg NTIS** AD277-689
ipr-mus TDLo:1583 mg/kg/6DC TFX:NEO PSEBAA 132,422,69
scu-mus LD50: 540 mg/kg AJEBAK 45,507,67

EZ12750. CARBAMIC ACID, N-BUTYL-N-NITROSO-, ETHYL ESTER
MW: 174.23 MOLFM: N2-O3-C7-H14
SYN: BNUR * N-BUTYL-N-NITROSO ETHYL CARBAMATE * N-BUTYL-N-NITROSOURETHAN *
TXDS: orl-rat LD50:900 mg/kg GANNA2 65,227,74
orl-rat TDLo:4640 mg/kg/16WC TFX:CAR GANNA2 65,227,74

EZ69000. CARBAMIC ACID, DIETHYL-, ETHYL ESTER
CAS: 003553808 MW: 145.23 MOLFM: N-O2-C7-H15
WLN: 2OVN2&2
SYN: ETHYL N,N-DIETHYL CARBAMATE *
TXDS: ipr-mus TDLo:4900 mg/kg/13WI TFX:NEO JNCIAM 9,35,48
scu-mus LD50:680 mg/kg AJEBAK 45,507,67

EZ82250. CARBAMIC ACID, DIISOPROPYLTHIO-, S-(2,3-DICHLOROALLYL) ESTER
CAS: 002303164 MW: 270.2 MOLFM: N-O-S-C12-C10-H17
WLN: G1UYG1SVNY++Y
SYN: AVADEX * CP 15,336 * DATC * 2,3-DCDT * DIALLAAT (Dutch) * DIALLATE * S-(2,3-DICHLOR-ALLYL)-N,N-DIISOPROPYL-MONOTHIOCARBAMAAT (Dutch) * S-(2,3-DICHLORO-ALLIL)-N,N-DIISOPROPIL-MONOTIOCARBAMMATO (Italian) * S-2,3-DICHLOROALLYL DIISOPROPYLTHIOCARBAMATE * 2,3-DICHLOROALLYL N, 2,3-DICHLOROALLYL N,N-DIISOPROPYLTHIOLCARBAMATE * DIISOPROPYLTHIOCARBAMIC ACID, S-(2,3-DICHLOROALLYL) ESTER * DI-ISOPROPYLTHIOLOCARBAMATE DE S-(2,3-DICHLORO ALLYLE) (French) * 2-PROPENE-1-THIOL, 2,3-DICHLORO-2-PROPENE-1-THIOL, 2,3-DICHLORO-, DIISOPROPYLCARBAMATE *
TXDS: orl-rat LD50:395 mg/kg RREVAH 10,97,65
unk-rat LD50:393 mg/kg 30ZDA9 -,210,71
orl-mus TDLo:68 gm/kg/84WIC TFX:CAR JNCIAM 42,1101,69
skn-rbt LD50:2000 mg/kg WRPCA2 9,119,70
orl-gpg LD50:420 mg/kg HYSAAV 33,187,68

FA10500. CARBAMIC ACID, DIMETHYLDITHIO, ZINC SALT see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

FA12250. CARBAMIC ACID, DIMETHYL-, ETHYL ESTER
CAS: 000687489 MW: 117.17 MOLFM: N-O2-C5-H11
WLN: 2OVN1&1
SYN: ETHYL N,N-DIMETHYL CARBAMATE * DI-N-METHYL ETHYL CARBAMATE *
TXDS: ipr-mus TDLo:6500 mg/kg/13WC TFX:NEO JNCIAM 9,35,48
scu-mus LD50:1050 mg/kg AJEBAK 45,507,67

FA44500. CARBAMIC ACID, DIPROPYL-, ETHYL ESTER
MW: 173.29 MOLFM: N-O2-C9-H19
WLN: 3N3&VO2
SYN: N,N-DI-n-PROPYL ETHYL CARBAMATE *
TXDS: ipr-mus TDLo:6500 mg/kg/13WC TFX:NEO JNCIAM 9,35,48

FA70000. CARBAMIC ACID, ETHYLENEBIS(DITHIO-, MANGANESE SALT see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

FA84000. CARBAMIC ACID, ETHYL ESTER
CAS: 000051796 MW: 89.08 MOLFM: N-O2-C3-H7
WLN: ZVO2
SYN: AETHYLCARBAMAT (German) * ATHYL-URETHAN (German) * CARBAMIDSAEURE-AETHYLESTER (German) * ETHYL CARBAMATE * ETHYLURETHAN * ETHYL URETHANE * NSC 746 * URETHAN * URETHANE *
TXDS: ipr-rat TDLo:3000 mg/kg/3W TFX:CAR CNREA8 28,881,68
ipr-rat TDLo:900 mg/kg/(14th D of preg) TFX:TER ANREAK 116,383,53
scu-rat TDLo:8 gm/kg/8WI TFX:CAR JNCIAM 43,749,69
orl-mus TDLo:160 mg/kg TFX:CAR BJCAAI 11,77,57
skn-mus TDLo:6400 mg/kg/2W TFX:CAR BJCAAI 11,77,57
ipr-mus TDLo:1 gm/kg TFX:CAR VOONAW 15,66,69
ipr-mus LDLo:1200 mg/kg TXAPA9 23,288,72
scu-mus LD50: 2230 mg/kg AJEBAK 45,507,67
scu-mus TDLo:416 mg/kg TFX:CAR ARZNAD 16(11),1539,66
par-mus LDLo:1000 mg/kg NCISA* PB-43-62-483
par-mus TDLo:40 gm/kg TFX:CAR NCISA* PB-43-62-483
par-mus TDLo:600 mg/kg/(7D preg) TFX:TER TRBMAV 8,623,50
unk-mus LD50:2000 mg/kg BJCAAI 6,160,52

ivn-rbt LDLo:2000 mg/kg 27ZIAQ -,272,73
scu-gpg TDLo:5000 mg/kg/2WI TFX:CAR CNREA8 30,2583,70
orl-ham TDLo:324 gm/kg/68WC TFX:CAR EJCAAH 5,165,69
ipr-ham TDLo:500 mg/kg/(8D of preg) TFX:TER CNREA8 27,1696,67
scu-ham TDLo:1000 mg/kg TFX:CAR IJCNAW 6,63,70

FA87500. CARBAMIC ACID, ETHYL ESTER, ETHYLIDENEBIS(-
MW: 204.25 MOLFM: N2-O4-C8-H16
SYN: N,N'-ETHYLIDENE-BIS(ETHYL CARBAMATE) * ETHYLIDENE DIURETHAN *
TXDS: ipr-mus TDLo:6500 mg/kg/13WC TFX:NEO JNCIAM 9,35,48

FA89250. CARBAMIC ACID, ETHYL ESTER, METHYLENEBIS(-
MW: 190.22 MOLFM: N2-O4-C7-H14
WLN: 2OVM1MVO2
SYN: N,N-METHYLENE-BIS(ETHYL CARBAMATE) * METHYLENE DIURETHAN *
TXDS: ipr-mus TDLo:6500 mg/kg/13WI TFX:NEO JNCIAM 9,35,48

FA90000. CARBAMIC ACID, ETHYL ESTER mixed with ISONICOTINIC ACID HYDRAZIDE (1:1 mole)
SYN: URETHAN mixed with ISONICOTINIC ACID HYDROZIDE (1:1 mole) *
TXDS: orl-ham TDLo:102 gm/kg/68WC TFX:CAR EJCAAH 5,165,69

FA91000. CARBAMIC ACID, ETHYL-, ETHYL ESTER
MW: 117.17 MOLFM: N-O2-C5-H11
WLN: 2OVM2
SYN: ETHYLCARBAMIC ACID, ETHYL ESTER * ETHYL-N-ETHYL CARBAMATE *
TXDS: ipr-mus TDLo:6500 mg/kg/13WI TFX:NEO JNCIAM 9,35,48
scu-mus LD50: 860 mg/kg AJEBAK 45,507,67

FB03500. CARBAMIC ACID, ETHYLNITROSO-, ETHYL ESTER
CAS: 000614959 MW: 146.17 MOLFM: N2-O3-C5-H10
WLN: ONN2&VO2
SYN: N-ETHYL-N-NITROSOURETHAN * ETHYLNITROSOCARBAMIC ACID, ETHYL ESTER * NEU * N-NITROSO-N-ETHYLURETHAN *
TXDS: ipr-rat TDLo:90 mg/kg/41W TFX:CAR BJCAAI 22,316,68
ivn-rat LD50:160 mg/kg TCIA** -,45,73
ivn-rat TDLo:80 mg/kg/(15D Preg) TFX:TER TCIA** -,45,73
ivn-rat TDLo:1500 mg/kg/30WI TFX:NEO ARZNAD 19,1077,69
orl-mus TDLo:240 mg/kg/39WI TFX:NEO NATUAS 199,190,63

FB15750. CARBAMIC ACID, HYDRAZIDE- see:VT29750 SEMICARBAZIDE

FB17500. CARBAMIC ACID, HYDROXY-, ETHYL ESTER
CAS: 000589413 MW: 105.04 MOLFM: N-O3-C3-H7
WLN: QMVO2
SYN: ETHYL N-HYDROXYCARBAMATE * HYDROXYCARBAMIC ACID ETHYL ESTER * N-HYDROXY ETHYL CARBAMATE * N-HYDROXYURETHAN * N-HYDROXYURETHANE * NEU * NSC-71045 * NSC-83629 * SQ 16819 *
TXDS: ipr-rat TDLo:225 mg/kg/(9thD of preg) TFX:TER CNREA8 26,1448,66
scu-rat TDLo:8 gm/kg/8WI TFX:NEO JNCIAM 43,749,69
ipr-mus TDLo:1 gm/kg TFX:CAR VOONAW 15(2),66,69
ipr-ham TDLo:250 mg/kg/(8D preg) TFX:TER CNREA8 27,1696,67

FB21000. CARBAMIC ACID, (2-HYDROXYETHYL)-, gamma-LACTONE see:RQ24500 2-OXAZOLIDINONE

FB29750. CARBAMIC ACID, ISOPROPYL ESTER
CAS: 001746776 MW: 103.14 MOLFM: N-O2-C4-H9
WLN: ZVOY
SYN: ISOPROPYL CARBAMATE *
TXDS: ipr-mus TDLo:6500 mg/kg/13W TFX:CAR JNCIAM 8,99,47
scu-mus LD50:1280 mg/kg AJEBAK 45,507,67

FB31500. CARBAMIC ACID, ISOPROPYL-, ETHYL ESTER
MW: 119.19 MOLFM: N-O2-C5-H13
SYN: ISOPROPYL ETHYL URETHAN *
TXDS: ipr-mus TDLo:6500 mg/kg/13WI TFX:NEO JNCIAM 9,35,48

FC24500. CARBAMIC ACID, METHYL ESTER
CAS: 000598550 MW: 75.08 MOLFM: N-O2-C2-H5
WLN: ZVO1
SYN: METHYL CARBAMATE * METHYLURETHANE * URETHYLANE *
TXDS: skn-mus TDLo:45 mg/kg/15WC TFX:NEO BJCAAI 9,177,55
ipr-mus LDLo:200 mg/kg TXAPA9 23,288,72
scu-mus LD50:4450 mg/kg AJEBAK 45,507,67

FC26250. CARBAMIC ACID, METHYL-, ETHYL ESTER
CAS: 000105408 MW: 87.14 MOLFM: N-O2-C4-H9
WLN: 2OVM1
SYN: ETHYL-N-METHYL CARBAMATE * METHYLCARBAMIC ACID, ETHYL ESTER * N-METHYL URETHAN *
TXDS: skn-mus TDLo:10 gm/kg/W TFX:NEO BJCAAI 9,177,55
ipr-mus TDLo:6500 mg/kg/13WI TFX:NEO JNCIAM 9,35,48

scu-mus LD50: 1360 mg/kg AJEBAK 45,507,67
ipr-ham TDLo:420 mg/kg/(8D preg) TFX:TER CNREA8 27,1696,67

FC59500. CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER
CAS: 000063252 MW: 201.24 MOLFM: N-O2-C12-H11
WLN: L66J BOVM1
SYN: ATOXAN * ARYLAM * CAPROLIN * CARBARYL * CARPOLIN * COMPOUND 7744 * CRAG SEVIN * ENT 23,969 * EXPERIMENTAL INSECTICIDE 7744 * GAMONIL * KARBARYL (Polish) * N-METIL-1-NAPTIL-CARBAMMATO (Italian) * N-METHYLCARBAMATE DE 1-NAPHTYLE (French) * N-METHYL-1-NAFTYL-CARBAMAAT (Dutch) * N-METHYL-1-NAPHTHYL-CARBAMAT (German) * N-METHYL-alph N-METHYL-alpha-NAPHTHYLCARBAMATE * N-METHYL-alpha-NAPHTHYLURETHAN * N-METHYL-1-NAPHTHYL CARBAMATE * alpha-NAFTYL-N-METHYLKARBAMAT (Czech) * 1-NAPHTHOL N-METHYLCARBAMATE * 1-NAPHTHYL METHYLCARBAMATE * alpha-NAPHTHYL N-METHYLCARBAMATE * 1-NAPHTHYL N-METHYLCARBAMATE * PANAM * SEVIDOL * SEVIN * UNION CARBIDE 7,744 *
TXDS: orl-man TDLo:2800 ug/kg TFX:CNS CHEP** -,144,63
orl-rat LD50:89 mg/kg TXAPA9 18,158,71
orl-rat TDLo:57000 mg/kg/95WI TFX:CAR VPITAR 29,71,70
orl-rat TDLo:50 mg/kg/(9 or 10D preg) TFX:TER SAKNAH 39,471,65
ipr-rat LD50:48 mg/kg PSEBAA 114,509,63
imp-rat TDLo:80 mg/kg TFX:CAR VPITAR 29,71,70
unk-rat LD50:500 mg/kg 30ZDA9 -,188,71
ipr-mus LD50:396 mg/kg TXAPA9 18,92,71
orl-dog TDLo:388 mg/kg/(preg) TFX:TER TXAPA9 13,392,68
orl-rbt LD50:710 mg/kg PCOC** -,192,66
orl-gpg LD50:280 mg/kg PCOC** -,192,66
orl-gpg TDLo:300 mg/kg/(preg) TFX:TER TXAPA9 15,152,69
orl-ham LDLo:250 mg/kg TXAPA9 15,152,69
orl-ckn LD50:197 mg/kg TXAPA9 3,521,61
orl-bwd LD50:56 mg/kg TXAPA9 21,315,72
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 5 mg/m3 FEREAC 37,22139,72

FC63000. CARBAMIC ACID,N-METHYL-N-NITROSO-,ETHYL ESTER
CAS: 000615532 MW: 132.14 MOLFM: N2-O3-C4-H8
WLN: ONN1&VO2
SYN: N-METHYL-N-NITROSOCARBAMIC ACID, ETHYL ESTER * METHYLNITROSOURETHANE * N-METHYL-N-NITROSO-URETHANE * NITROSOMETHYLURETHANE *
TXDS: orl-rat LD50:180 mg/kg NATWAY 48,165,61
orl-rat TDLo:1200 mg/kg/43WI TFX:CAR ARZNAD 19,1077,69
ipr-rat LDLo:50 mg/kg BJCAAI 22,316,68
ipr-rat TDLo:50 mg/kg TFX:CAR BJCAAI 22,316,68
scu-rat LDLo:125 mg/kg BJCAAI 16,92,62
ivn-rat TDLo:500 ug/kg/57W TFX:CAR XENO** 3,271,73
scu-mus LDLo:7 mg/kg BJCAAI 23,167,69
ihl-mus LCLo: 600 mg/m3 NDRC** -,18,43
ipr-mus LD50:37 mg/kg CNREA8 30,11,70
ipr-mus TDLo:25 mg/kg TFX:NEO CNREA8 30,11,70
scu-mus TDLo:13 mg/kg/4WI TFX:CAR BJCAAI 23,167,69
orl-gpg TDLo:274 mg/kg/91WC TFX:CAR ZEKBAI 72,167,68
scu-gpg TDLo:130 mg/kg/52WI TFX:CAR ZEKBAI 72,167,68
scu-ham LDLo:8 mg/kg AJPAA4 50,639,67
scu-ham TDLo:37 mg/kg/24WI TFX:NEO AJPAA4 50,639,67

FC92750. CARBAMIC ACID, NITROSO-, ETHYL ESTER
CAS: 022012904 MW: 118.11 MOLFM: N2-O3-C3-H6
WLN: ONMVO2
SYN: NITROSOCARBAMIC ACID, ETHYL ESTER * NITROSOURETHANE *
TXDS: scu-mus LDLo:26 mg/kg BJCAAI 23,167,69
scu-mus TDLo:13 mg/kg/4WI TFX:CAR BJCAAI 23,167,69

FD05750. CARBAMIC ACID, 2-PHENYLHYDRAZIDE
MW: 151.19 MOLFM: N3-O-C7-H9
SYN: 1-CARBAMYL-2-PHENYLHYDRAZINE * CPH * HYDRAZINE, 1-CARBAMOYL-2-PHENYL- * 2-PHENYLDIAZENECARBOXAMIDE * 2-PHENYLHYDRAZINECARBOXAMIDE *
TXDS: orl-mus TDLo:131 mg/kg/23WC TFX:NEO JNCIAM 52,241,74

FD07000. CARBAMIC ACID, 1-PHENYL-2-PROPYNYL-, 1-(4-CHLOROPHENYL) ESTER
MW: 285.76 MOLFM: N-O2-Cl-C16-H12
SYN: 1-(4-CHLOROPHENYL)-1-PHENYL-2-PROPYNYL CARBAMATE *
TXDS: orl-rat TDLo:2800 mg/kg/57DC TFX:CAR TXAPA9 21,414,72

FD08750. CARBAMIC ACID, PROPYL ESTER
CAS: 000627123 MW: 103.14 MOLFM: N-O2-C4-H9
WLN: ZVO3
SYN: PROPYL CARBAMATE * n-PROPYL CARBAMATE *
TXDS: orl-mus TDLo:1000 mg/kg/TFX:NEO BCPCA6 2,168,59
ipr-mus TDLo:650 mg/kg/13WI TFX:CAR JNCIAM 8,99,47
scu-mus LD50: 1300 mg/kg AJEBAK 45,507,67
scu-rbt LD50:300 mg/kg APAVAY 72,113,1879
ipr-ham TDLo:500 mg/kg/(8D preg) TFX:TER CNREA8 27,1696,67

FD10500. CARBAMIC ACID, PROPYL-, ETHYL ESTER
CAS: 000623858 MW: 131.20 MOLFM: N-O2-C6-H13
WLN: 3MVO2
SYN: ETEYL N-n-PROPYLCARBAMATE * N-n-PROPYL ETHYL CARBAMATE *
TXDS: ipr-mus TDLo:6500 mg/kg/13WI TFX:NEO JNCIAM 9,35,48
scu-mus LD50: 540 mg/kg AJEBAK 45,507,67

FD14000. CARBAMIC ACID, THIO-, S-ETHYL ESTER
CAS: 000637989 MW: 105.17 MOLFM: N-O-S-C3-H7
WLN: ZVS2
SYN: ETHYL THIOLCARBAMATE * ETHYL-N-THIOLCARBAMATE * THIOURETHANE *
TXDS: skn-mus TDLo:7200 mg/kg/2W TFX:NEO BJCAAI 9,177,55

FD17500. CARBAMIC ACID, 2,2,2-TRICHLOROETHYL ESTER
CAS: 000107697 MW: 204.44 MOLFM: N-O2-C13-C4-H4
WLN: ZVO1XGGG
SYN: ETHANOL, 2,2,2-TRICHLORO-, CARBAMATE * TRICHLOROETHYL CARBAMATE * VOLUNTAL *
TXDS: ipr-mus LD50:500 mg/kg JNCIAM 8,99,47
ipr-mus TDLo:3250 mg/kg/13WI TFX:CAR JNCIAM 8,99,47

FD24500. p-CARBAMIDOBENZENEARSONIC ACID see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

FD39400. N-CARBAMOYLARSANILIC ACID see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

FD42000. CARBAMOYL CHLORIDE, DIMETHYL-
CAS: 000079447 MW: 107.55 MOLFM: N-O-Cl-C3-H6
WLN: GVN1&1
SYN: CARBAMYL CHLORIDE,N,N-DIMETHYL * DDC * DIMETHYLCARBAMYL CHLORIDE *
TXDS: skn-mus TDLo:17 gm/kg/70WI TFX:CAR JNCIAM 53,695,74
ipr-mus TDLo:2560 mg/kg/64I TFX:NEO JNCIAM 53,695,74
scu-mus LDLo: 1.0 mg/kg NDRC** -,22,42
scu-mus TDLo:5200 mg/kg/26WI TFX:CAR JNCIAM 48,1539,72

FD50750. N-(CARBAMOYLMETHYL)-2-DIAZOACETAMIDE see:AB49000 ACETAMIDE, N-(CARBAMOYLMETHYL)-2-DIAZO-

FD57750. 4-CARBAMYLAMINOPHENYLARSONIC ACID see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

FD59500. N-CARBAMYL ARSANILIC ACID see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

FD60000. CARBAMYL CHLORIDE, N,N-DIMETHYL- see:FD42000 CARBAMOYL CHLORIDE, DIMETHYL-

FD63700. CARBAMYLHYDRAZINE see:VT29750 SEMICARBAZIDE

FD67400. 1-CARBAMYL-2-PHENYLHYDRAZINE see:PD05750 CARBAMIC ACID, 2-PHENYLHYDRAZIDE

FD68250. 2-CARBAMYL PYRAZINE see:UQ22750 PYRAZINECARBOXAMIDE

FD80500. CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER
CAS: 000101213 MW: 213.7 MOLFM: N-O2-Cl-C10-H12
WLN: GR CMVOY
SYN: N-(3-CHLOOR-FENYL)-ISOPROPYL CARBAMAAT (Dutch) * m-CHLOROCARBANILIC ACID, ISOPROPYL ESTER * 3-CHLOROCARBANILIC ACID, ISOPROPYL ESTER * CHLORO-IPK * CHLORO-IPC * N-(3-CHLORO PHENYL) CARBAMATE D'ISOPROPYLE (French) * N-(3-CHLOROPHENYL)CARBAMIC ACID, ISOPROPYL ESTER * CHLOROPROPHAM * N-(3-CHLOR-PHENYL)-ISOPROPYL-CARBAMAT (German) * CHLORPROPHAM * CHLORPROPHAME (French) * CICP * CI-IPC * CIPC * N-(3-CLORO-FENIL) -ISOPROPIL-CARBAMMATO (Italian) * ELBANIL * ENT 18,060 * FASCO WY-HOE * ISOPROPYL CHLOROCARBANILATE * ISOPROPYL-N-(3-CHLOROPHENYL) CARBAMATE * ISOPROPYL 3-CHLOROPHENYLCARBAMATE * JACK WILSON CHLORO 51 (oil) * PREVENOL 56 * PREVENTOL 56 * PREWEED * T-H KLEAN DROP * TRIHERBICIDE CIPC * Y 3 *
TXDS: orl-rat LD50: 1200 mg/kg AEHLAU 19,621,69
orl-mus TDLo:600 mg/kg TFX:NEO BJCAAI 12,355,58
orl-rbt LD50:5000 mg/kg PAREAQ 14,225,62
unk-mam LD50:3000 mg/kg 30ZDA9 -,200,71

FD89250. CARBANILIC ACID, ETHYL ESTER
CAS: 000101995 MW: 165.21 MOLFM: N-O2-C9-H11
WLN: 2OVMR
SYN: EPC (the plant regulator) * ETHYL CARBANILATE * ETHYL-N-PHENYL CARBAMATE * EUPHORIN * KEIMSTOP * PHENYLETHYL CARBAMATE * PHENYLURETHAN(E) * N-PHENYLURETHANE * URETHAN, PHENYL- *
TXDS: skn-mus TDLo:20 gm/kg/2W TFX:NEO BJCAAI 9,177,55

FD91000. CARBANILIC ACID, ISOPROPYL ESTER
CAS: 000122429 MW: 179.24 MOLFM: N-O2-C10-H13
WLN: 1YOVMR
SYN: CHEM-HOE * IPK * INPC * IPC * ISO.PPC. * ISOPROPIL-N-FENIL-CARBAMMATO (Italian) * ISOPROPYL CARBANILATE * ISOPROPYL-N-PENYL-CARBAMAAT

(Dutch) * ISOPROPYL PHENYLCARBAMATE * ISOPROPYL-N-PHENYLCARBAMATE
* ISOPROPYL-N-PHENYL-CARBAMAT (German) * N-PHENYLCARBAMATE D'ISOPROPYLE
(French) * N-PHENYL ISOPROPYL CARBAMATE * O-ISOPROPYL N-PHENYL CARBAMATE
* PROFAM * PROPHAM * PROPHAME * TUBERIT * Y 2 *

TXDS: orl-rat LD50:1000 mg/kg RREVAE 10,97,65
orl-mus LD50:52 mg/kg EVANS* -,-,58
orl-mus TDLo:600 mg/kg TFX:NEO BJCAAI 12,355,58
ipr-mus LD50:200 mg/kg CUBL** -,37,62
unk-mam LD50:1000 mg/kg 30ZDA9 -,199,71

FE14000. CARBARSONE see:CF92750 ARSANILIC ACID, N-CARBAMOYL-

FE17500. CARBARYL see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

FE19250. CARBASONE see:CF92750 ARSANILIC ACID, N-CARBAMOYL-

FE22750. CARBAZAMIDE see:VT29750 SEMICARBAZIDE

FF31500. CARBOLIC ACID see:SJ33250 PHENOL

FF98000. CARBONIC ACID, DIETHYL ESTER
CAS: 000105588 MW: 118.15 MOLFM: O3-C5-H10
WLN: 2OVO2
SYN: DIATHYLCARBONAT (German) * DIATOL * DIETHYL CARBONATE * ETHOXYFORMIC ANHYDRIDE * ETHYL CARBONATE * EUFIN *
TXDS: ipr-mus TDLo:456 mg/kg TFX:NEO BCPCA6 2,168,59

FG33250. CARBONIC ACID, cyclic VINYLENE ESTER
CAS: 000872366 MW: 86.05 MOLFM: O3-C3-H2
WLN: T5OVOJ
SYN: VINYLENE CARBONATE *
TXDS: scu-rat TDLo:1760 mg/kg/44W TFX:CAR BJCAAI 19,392,65

FG49000. CARBON TETRACHLORIDE
CAS: 000056235 MW: 153.81 MOLFM: C14-C
WLN: GXGGG
SYN: BENZINOFORM * ENT 4,705 * CZTEROCHLOREK WEGLA (Polish) * METHANE TETRACHLORIDE * METHANE, TETRACHLORO- * NECATORINE * PERCHLOROMETHANE * TETRACHLOORMETAAN * TETRACHLORMETHAN (German) * TETRACHLOROMETHANE * TETRACHLOORKOOLSTOF (Dutch) * TETRACHLORKOHLENSTOFF, TETRA (German) * TETRACHLORURE DE CARBONE (French) * TETRACLOROMETANO (Italian) * TETRACLORURO DI CARBONIO (Italian) *
TXDS: ihl-hmn TCLo:20 ppm TFX:CNS CITOX*
ihl-hmn LCLo:1000 ppm PCOC** -,198,-
orl-rat LD50:1770 mg/kg TXAPA9 17,498,70
orl-rat LD50:1770 mg/kg TXAPA9 17,498,70
ihl-rat LCLo:4000 ppm/4H JIHTAB 31,343,49
scu-rat TDLo:159 gm/kg/25WI TFX:CAR KRMJAC 12,37,65
orl-mus TDLo:120 mg/kg/88DI TFX:CAR JNCIAM 4,385,44
ihl-mus LC50:9526 ppm/8H JIHTAB 29,382,47
ipr-mus LD50:4620 mg/kg TXAPA9 13,287,68
rec-mus TDLo:159 gm/kg/20WI TFX:CAR AJPAA4 46,19a,65
orl-dog LDLo:1000 mg/kg QJPPAL 7,205,34
ivn-dog LDLo:125 mg/kg QJPPAL 7,205,34
ihl-cat LCLo:38110 ppm/2H 27ZSAM 4,1405,-
orl-rbt LD50:6380 mg/kg GUCHAZ 6,83,73
scu-rbt LDLo:3000 mg/kg QJPPAL 7,205,34
ihl-gpg LCLo:20000 ppm/2H PLCRAP 1,197,67
orl-ham TDLo:3680 mg/kg/30WI TFX:CAR JNCIAM 26,855,61
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 10 ppm;CL25 ppm;PK 2PEREAC 37,22139,72

FG63000. CARBONYL NICKEL POWDER see:QR59500 NICKEL

FG70800. CARB-O-SEP see:CF92750 ARSANILIC ACID, N-CARBAMOYL-

FG78750. CARBOWAX see:TQ35000 POLYETHYLENE GLYCOL

FG80500. CARBOWAX 1000 see:TQ35000 POLYETHYLENE GLYCOL

FG90100. 2-CARBOXYANILINE see:CB24500 ANTHRANILIC ACID

FG97000. S-2-CARBOXYETHYL-L-CYSTEINE see:AY43000 ALANINE, 3-((2-CARBOXYETHYL)THIO)-

FG99000. 3-((2-CARBOXYETHYL)THIO)ALANINE see:AY43000 ALANINE, 3-((2-CARBOXYETHYL)THIO)-

FH01750. 6-CARBOXYL-4-HYDROXYLAMINOQUINOLINE 1-OXIDE see:VB21000 6-QUINOLINECARBOXYLIC ACID, 4-(HYDROXYAMINO)-, 1-OXIDE

FH05250. 6-CARBOXYL-4-NITROQUINOLINE 1-OXIDE see:VB22750 6-QUINOLINECARBOXYLIC ACID, 4-NITRO-, 1-OXIDE

FH07000. CARBOXYMETHYL CELLULOSE, AMMONIUM SALT - see:PJ57750 CELLULOSE, CARBOXYMETHYL ETHER, AMMONIUM SALT

FH07500. CARBOXYMETHYLCELLULOSE NORDIC see:PJ57750 CELLULOSE, CARBOXYMETHYL ETHER, AMMONIUM SALT

FH08750. CARBOXYMETHYLCELLULOSE, SODIUM SALT see:PJ59500 CELLULOSE, CARBOXYMETHYL ETHER, SODIUM SALT

FH21000. 9-o-CARBOXYPHENYL-6-HYDROXY-3-ISOXANTHONE, DISODIUM SALT see:LM54250 FLUORESCEIN, DISODIUM SALT

FH37800. CARBROMAL see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

FH89000. CARMINE BLUE (BIOLOGICAL STAIN) see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

FI05250. CARPOLIN see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

FI07000. CARRAGEEN
CAS: MX8015950
SYN: CARRAGEENAN * CARRAGEENIN * CARRAGHEANIN * CHONDRUS EXTRACT *
TXDS: scu-rat TDLo:525 mg/kg/21W TFX:NEO MPCAN* -,83,62
par-rat TDLo:250 mg/kg TFX:CAR BJCAAI 15,607,61
ivn-rbt LDLo:50 mg/kg NATUAS 202,401,64
ivn-gpg LDLo:1 mg/kg JPLD** 18,827,66

FI07250. CARRAGEENAN see:FI07000 CARRAGEEN

FI07500. CARRAGEENIN see:FI07000 CARRAGEEN

FI07750. CARRAGHEANIN see:FI07000 CARRAGEEN

FI21850. CARYOLYSIN see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

FI22750. CARYOLYSINE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

FI32300. CASALIS GREEN see:GB64750 CHROMIUM(3+) OXIDE

FI69000. CAUSOIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

FI73500. CAVALITE BRILLIANT BLUE R see:CB10500 2-ANTHRACENESULFONIC ACID, 1-AMINO-9,10-DIHYDRO-4-(m-((2-HYDROXYETHYL)SULFONYL)ANILINO- 9,10-DIOXO-, HYDROGEN SULFATE (ester), DISODIUM SALT

FI77000. CB 1348 see:ES75250 BUTYRIC ACID, 4-(p-BIS(2-CHLOROETHYL)AMINOPHENYL)-

FI80500. CB 2511 see:OP29750 MANNITOL, 1,6-DIMETHANESULFONATE, D-

FI82250. CB 3025 see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-

FJ16600. CEDIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

FJ31500. CELLITAZOL B see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

FJ33250. CELLITAZOL BN see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

FJ35000. CELLITAZOL R see:BY82250 ANILINE, p-(PHENYLAZO)-

FJ39760. CELLOFOR (Czech) see:XY26250 TRIAZENE, 1,3-DIPHENYL-

FJ57750. CELLULOSE, CARBOXYMETHYL ETHER, AMMONIUM SALT
SYN: CARBOXYMETHYL CELLULOSE, AMMONIUM SALT * CARBOXYMETHYLCELLULOSE NORDIC *
TXDS: scu-rat TDLo:12 gm/kg/56WI TFX:NEO RCBIAS 20,701,61

FJ59500. CELLULOSE, CARBOXYMETHYL ETHER, SODIUM SALT
SYN: CARBOXYMETHYLCELLULOSE, SODIUM SALT * EDIFAS B * SODIUM CARBOXYMETHYL CELLULOSE *
TXDS: scu-rat TDLo:8600 mg/kg/19WI TFX:NEO PDCR** -,83,62

FJ81090. CEMIDON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

FK10500. CERASINE YELLOW GG see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

FK26500. CERAZOL (suspension) see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

FK33280. CERESAN see:OV64750 MERCURY, (ACETATO)PHENYL-

FK39040. CERES ORANGE R see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

FK39300. CERES ORANGES RR see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

FK39750. CERES RED 7B see:QM28500 2-NAPHTHYLAMINE, N-ETHYL-1-((p-(PHENYLAZO)PHENYL)AZO)-

FK40250. CERES RED BB see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

FK42000. CERES YELLOW R see:BY82250 ANILINE, p-(PHENYLAZO)-

FK46500. CERISOL SCARLET G see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

FK47250. CERISOL YELLOW AB see:SR43750 PHENYLAZO-2-NAPETHYLAMINE

FK48000. CERISOL YELLOW TB see:QM50000 2-NAPHTHYLAMINE, 1-(o-TOLYLAZO)-

FK71000. CERTICOL AMARANTH S see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPETHYL)AZO)-, TRISODIUM SALT

FK78750. CERTICOL PONCEAU MXS see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

FK80500. CERTICOL PONCEAU 4RS see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

FK81500. CERTICOL PONCEAU SXS see:QK27050 1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT

FK82250. CERTICOL SUNSET YELLOW CFS see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

FK84000. CERTIQUAL FLUORESCEINE see:LM54250 FLUORESCEIN, DISODIUM SALT

FK86500. CERTIQUAL ORANGE I see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

FK91000. CES see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

FL78750. CEE-O-GENF see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

FM08750. CHEM-HOE see:FD91000 CARBANILIC ACID, ISOPROPYL ESTER

FM09500. CHEMIAZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

FM14800. CHEMIDON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

FM19250. CHEM NEB see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

FM20000. CHEMOFURAN see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

FM20500. CHEMOSEPT see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

FM51500. CHINON (Dutch, German) see:DK26250 p-BENZOQUINONE

FM52500. CHINONE see:DK26250 p-BENZOQUINONE

FM60680. CHIPMAN 3,142 see:DC01750 BENZENE, 1,2,4,5-TETRACHLORO-3-NITRO-

FM65950. 1-CHLOOR-2,3-EPOXY-PROPAAN (Dutch) see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

FM66400. 3-(4-CHLOOR-FENYL)-1,1-DIMETHYLUREUM (Dutch) see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

FM66450. N-(3-CHLOOR-FENYL)-ISOPROPYL CARBAMAAT (Dutch) see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

FM68150. CHLORACETONE (French) see:UC07000 2-PROPANONE, 1-CHLORO-

FM68500. CHLORAMINE BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

FM69000. CHLORAZOL BLUE B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

FM69300. CHLORAZOL BLUE BP see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

FM83100. CHLORALDURAT see:FM87500 CHLORAL HYDRATE

FM87500. CHLORAL HYDRATE
CAS: 000302170 MW: 165.40 MOLFM: O2-C13-C2-H3
WLN: QYQXGGG
SYN: AQUACHLORAL * CHLORALDURAT * FELSULES * HS * KESSODRATE * LORINAL * NORTEC * NYCTON * RECTULES * SOMNOS * SONTEC * TRICHLOROACETALDEHYDE MONOHYDRATE * 2,2,2-TRICHLORO-1,1-ETHANEDIOL *
TXDS: orl-rat LD50:285 mg/kg TXAPA9 18,196,71

ipr-rat LDLo:500 mg/kg		JPETAB 63,453,38
scu-rat LD50:620 mg/kg		AEPPAE 192,348,36
orl-mus LD50:1100 mg/kg		JPETAB 106,444,52
skn-mus TDLo:960 mg/kg/W TFX:NEO		BJCAAI 9,177,55
ipr-mus LDLo:650 mg/kg		JPETAB 42,1,31
scu-mus LDLo:800 mg/kg		AEPPAE 166,437,32
orl-dog LDLo:1000 mg/kg		JPETAB 78,340,43
orl-cat LDLo:400 mg/kg		JPETAB 78,340,43
orl-rbt LDLo:1200 mg/kg		AEPPAE 132,214,28
scu-rbt LDLo:1000 mg/kg		ZEPTAT 18,61,16
ivn-rbt LDLo:400 mg/kg		JPETAB 63,453,38
rec-rbt LDLo:1000 mg/kg		AEPPAE 132,214,28
orl-frg LDLo:938 mg/kg		AIPTAK 8,77,01
par-mus LDLo:900 mg/kg		AEPPAE 166,437,32

FN01750. CHLORAMBUCIL see:ES75250 BUTYRIC ACID, 4-(p-BIS(2-CHLOROETHYL)AMINOPHENYL)-

FN03500. CHLORAMINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

FN05250. CHLORAMINE BLUE 3B see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-

FN07000. CHLORAMINE (THE NITROGEN MUSTARD) see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

FN08750. CHLORAMINOPHENE see:ES75250 BUTYRIC ACID, 4-(p-BIS(2-CHLOROETHYL)AMINOPHENYL)-

FN38500. CHLORBENZILAT see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

FN65930. CHLORDIMETHYLETHER (Czech) see:KN66500 ETHER, CHLOROMETHYL METHYL

FN66350. 1-CHLOR-2,3-EPOXY-PROPAN (German) see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

FN80500. CHLOREX see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

FN82500. CHLORFENIDIM see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

FO43750. CHLORITE
CAS: 001318598
TXDS: ipl-mus TDLo:400 mg/kg TFX:NEO BJEPA5 53,190,72

FO52500. CHLORMETHINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

FO78750. CHLOROACETONE see:UC07000 2-PROPANONE, 1-CHLORO-

FP13100. 2-CHLORO-3-AMINO-1,4-NAPHTHOQUINONE see:QL73500 1,4-NAPHTHOQUINONE, 2-AMINO-3-CHLORO-

FP36200. 10-CHLORO-1,2-BENZANTHRACENE see:CW09500 BENZ(a)ANTHRACENE, 7-CHLORO-

FP61250. CHLOROBENZILATE see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

FP62500. 2-CHLOROBENZO(e)(1)BENZOTHIOPYRANO(4,3-b)INDOLE see:DL99000 (1)BENZOTHIOPYRANO(4,3-b)INDOLE, 2-CHLOROBENZO(e)-

FQ15000. 4-CHLORO-7-BROMOMETHYLBENZ(a)ANTHRACENE see:CW04000 BENZ(a)ANTHRACENE, 7-BROMOMETHYL-4-CHLORO-

FQ33250. CHLOROBUTINE see:ES75250 BUTYRIC ACID, 4-(p-BIS(2-CHLOROETHYL)AMINOPHENYL)-

FQ40250. m-CHLOROCARBANILIC ACID, ISOPROPYL ESTER see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

FQ42000. 3-CHLOROCARBANILIC ACID, ISOPROPYL ESTER see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

FQ47250. 1-CHLORO-2-(beta-CHLOROETHOXY)ETHANE see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

FQ49000. 1-CHLORO-2-(beta-CHLOROETHYLTHIO)ETHANE see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)

FR40500. 2'-CHLORO-4-DIMETHYLAMINOAZOBENZENE see:BX50500 ANILINE, N,N-DIMETHYL-p-((o-CHLOROPHENYL)AZO)-

FR42000. 3'-CHLORO-4-DIMETHYLAMINOAZOBENZENE see:BX50400 ANILINE, N,N-DIMETHYL-p-((m-CHLOROPHENYL)AZO)-

FR44000. 4'-CHLORO-4-DIMETHYLAMINOAZOBENZENE see:BX50600 ANILINE, N,N-DIMETHYL-p-((p-CHLOROPHENYL)AZO)-

FR53400. 3'-CHLORO-N,N-DIMETHYLAMINOSTIBEN (German) see:WJ37500 4-STILBENAMINE, 3'-CHLORO-N,N-DIMETHYL-

FR53800. 4'-CHLORO-N,N-DIMETHYLAMINOSTIBEN (German) see:WJ38000 STIBENAMINE, 4'-CHLORO-N,N-DIMETHYL-

FR54250. 2'-CHLORO-4-DIMETHYLAMINOSTILBENE see:WJ36750 4-STILBENAMINE, 2'-CHLORO-N,N-DIMETHYL-

FR55500. 3'-CHLORO-4-DIMETHYLAMINOSTILBENE see:WJ37500 4-STILBENAMINE, 3'-CHLORO-N,N-DIMETHYL-

FR57000. 4'-CHLORO-4-DIMETHYLAMINOSTILBENE see:WJ38000 STIBENAMINE, 4'-CHLORO-N,N-DIMETHYL-

FR58300. 2-CHLORO-1,10-DIMETHYL-5,6-BENZACRIDINE (French) see:CU33750 BENZ(a)ACRIDINE, 9-CHLORO-8,12-DIMETHYL-

FR59600. 2-CHLORO-1,10-DIMETHYL-7,8-BENZACRIDINE (French) see:CU34250 BENZ(c)ACRIDINE, 10-CHLORO-7,11-DIMETHYL-

FR61200. 10-CHLORO-6,9-DIMETHYL-5,10-DIHYDRO-3,4-BENZOPHENARSAZINE see:DI99000 BENZO(a)PHENARSAZINE, 12-CHLORO-7,12-DIHYDRO-8,11-DIMETHYL-

FR70500. 3'-CHLORO-N,N-DIMETHYL-4-STILBENAMINE see:WJ37500 4-STILBENAMINE, 3'-CHLORO-N,N-DIMETHYL-

FR71600. 4'-CHLORO-N,N-DIMETHYL-4-STILBENAMINE see:WJ38000 STIBENAMINE, 4'-CHLORO-N,N-DIMETHYL-

FR77000. 1-CHLORO-2,4-DINITRONAPHTHALENE see:QJ24500 NAPHTHALENE, 1-CHLORO-2,4-DINITRO-

FR87500. CHLORODIPHENYL (54% Cl) see:CP61250 AROCLOR 1254

FR96250. 1-CHLORO-2,3-EPOXYPROPANE see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

FR98000. 3-CHLORO-1,2-EPOXYPROPANE see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

FS10500. CELOROETHENE see:KU96250 ETHYLENE, CHLORO-

FS22750. 9-(2-((2-CHLOROETHYL)AMINO)ETHYLAMINO)-6-CHLORO-2-METHOXYACRIDINE, DIHYDROCHLORIDE see:AR80500 ACRIDINE, 9-(2-(2-CHLOROETHYL)AMINO)ETHYLAMINO)-6-CHLORO-2-METHOXY-, DIHYDROCHLORIDE

FS35000. beta-CHLOROETHYL-beta'-(p-t-BUTYLPHENOXY)-alpha'-METHYLETHYL SULFITE see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

FS55000. 4-CELORO-6-ETHYLENEIMINO-2-PHENYLPYRIMIDINE see:UV81000 PYRIMIDINE, 4-CHLORO-6-ETHYLENEIMINO-2-PHENYL-

FS91000. CHLOROFORM
CAS: 000067663 MW: 119.37 MOLFM: Cl3-C-H
WLN: GYGG
SYN: CHLOROFORME (French) * CLOROFORMIO (Italian) * FORMYL TRICHLORIDE * METHANE TRICHLORIDE * METHANE, TRICHLORO- * METHENYL TRICHLORIDE * METHENYL TRICHLORIDE * METHYL TRICHLORIDE * TRICHLOORMETHAAN (Dutch) * TRICHLOROFORM * TRICHLOROMETHANE * TRICHLORMETHAN (Czech) * TRICLOROMETANO (Italian) *

TXDS: ihl-hmn TCLo:10 ppm/1Y TFX:SYS	AGGHAR	24,127,67
orl-rat LD50:800 mg/kg	TXAPA9	19,699,71
ihl-rat LCLo:8000 ppm/4H	AIHAAP	23,95,62
orl-mus LDLo:2400 mg/kg	JNCIAM	2,251,45
orl-mus TDLo:18 gm/kg/120DI TFX:CAR	JNCIAM	2,251,45
ihl-mus LC50:28 ppm	PCOC**	-,230,66
scu-mus LD50:704 mg/kg	JPETAB	123,224,58
orl-dog LDLo:1000 mg/kg	QJPPAL	7,205,34
ihl-dog LC50:100 ppm	PCOC**	-,230,66
ivn-dog LDLo:75 mg/kg	QJPPAL	7,205,34
ihl-rbt LC50:59 ppm	PCOC**	-,230,66
scu-rbt LDLo:800 mg/kg	QJPPAL	7,205,34
ihl-gpg LCLo:20000 ppm/2H	FLCRAP	1,197,67
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 50 ppm	PEREAC	37,22139,72

FS91500. CHLOROFORME (French) see:FS91000 CHLOROFORM

FT21000. 5-CHLORO-4-(HYDROXYAMINO)QUINOLINE 1-OXIDE see:VB29750 QUINOLINE, 5-CHLORO-4-(HYDROXYAMINO)-, 1-OXIDE

FT22750. 6-CHLORO-4-(HYDROXYAMINO)QUINOLINE 1-OXIDE see:VB31500 QUINOLINE, 6-CHLORO-4-(HYDROXYAMINO)-, 1-OXIDE

FT24500. 7-CHLORO-4-(HYDROXYAMINO)QUINOLINE 1-OXIDE see:VB33250 QUINOLINE, 7-CHLORO-4-(HYDROXYAMINO)-, 1-OXIDE

FT29750. 5-CHLORO-4-HYDROXYLAMINOQUINOLINE 1-OXIDE see:VB29750 QUINOLINE, 5-CHLORO-4-(HYDROXYAMINO)-, 1-OXIDE

FT31500. 7-CHLORO-4-HYDROXYLAMINOQUINOLINE 1-OXIDE see:VB33250 QUINOLINE, 7-CHLORO-4-(HYDROXYAMINO)-, 1-OXIDE

FT43750. CHLORO-IPR see:PD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

FT45500. CHLORO-IPC see:PD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

FT50750. beta-CHLORO-N-ISOPROPYL-2-NAPHTHALENEETHYLAMINE HYDROCHLORIDE see:QJ70000 NAPHTHALENEETHYLAMINE, beta-CHLORO-N-ISOPROPYL-, HYDROCHLORIDE

FT98000. 5-CHLORO-10-METHYL-1,2-BENZANTHRACENE
TXDS: scu-mus TDLo:80 mg/kg TPX:CAR JNCIAM 1,303,40

FU01750. 7-CHLORO-10-METHYL-1,2-BENZANTHRACENE
TXDS: scu-mus TDLo:80 mg/kg TPX:CAR JNCIAM 1,303,40

FU02600. 6-CHLOROMETHYLBENZO(a)PYRENE see:DJ92000 BENZO(a)PYRENE, 6-CHLOROMETHYL-

FU15750. 3'-CHLORO-4'-METHYL-4-DIMETHYLAMINOAZOBENZENE see:BX19250 ANILINE, p-((3-CHLORO-m-TOLYL)AZO)-N,N-DIMETHYL-

FU19250. CHLOROMETHYL ETHER see:KN15750 ETHER,BIS(CHLOROMETHYL)

FU20400. 2-CHLORO-1-METHYL-10-ETHYL-7,8-BENZACRIDINE (French) see:CU34750 BENZ(c)ACRIDINE, 10-CHLORO-7-ETHYL-11-METHYL-

FU21800. (CHLOROMETHYL)ETHYLENE OXIDE see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

FU28000. CHLOROMETHYL METHYL ETHER see:KN66500 ETHER, CHLOROMETHYL METHYL

FU31500. CHLOROMETHYLOXIRANE see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

FU80000. 2-CHLORO-4-NITROBENZENEAZO-2'-AMINO-4'-METHOXY-5'-METHYLBENZENE see:BZ69000 m-ANISIDINE, 4-METHYL-6-(((2-CHLORO-4-NITRO)PHENYL)AZO)-

FV05250. 5-CHLORO-4-NITROQUINOLINE 1-OXIDE see:VB35000 QUINOLINE, 5-CHLORO-4-NITRO-, 1-OXIDE

FV07000. 6-CHLORO-4-NITROQUINOLINE 1-OXIDE see:VB36750 QUINOLINE, 6-CHLORO-4-NITRO-, 1-OXIDE

FV08750. 7-CHLORO-4-NITROQUINOLINE 1-OXIDE see:VB38500 QUINOLINE, 7-CHLORO-4-NITRO-, 1-OXIDE

FV35000. o-CHLOROPHENOL see:SK26250 PHENOL, o-CHLORO-

FV38500. 2-CHLOROPHENOL see:SK26250 PHENOL, o-CHLORO-

FV43750. CHLOROPHENOTHANE see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

FV78000. N-(3-CHLORO PHENYL) CARBAMATE D'ISOPROPYLE (French) see:PD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

FV78750. N-(3-CHLOROPHENYL)CARBAMIC ACID, ISOPROPYL ESTER see:PD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

FV91000. N-(p-CHLOROPEENYL)-N',N'-DIMETHYLUREA see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

FV92750. N'-(4-CHLOROPHENYL)-N,N-DIMETHYLUREA see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

FV94500. 1-(p-CHLOROPHENYL)-3,3-DIMETHYLUREA see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

FV96250. 3-(p-CHLOROPEENYL)-1,1-DIMETHYLUREA see:YS63000 UREA,3-(p-CHLOROPHENYL)-1,1-DIMETHYL

FV98000. 3-(4-CHLOROPHENYL)-1,1-DIMETHYLUREA see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

FW02000. 1-(4-CHLORO PHENYL)-3,3-DIMETHYLUREE (French) see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

FW31500. 1-(4-CHLOROPHENYL)-1-PHENYL-2-PROPYNYL CARBAMATE see:PD07000 CARBAMIC ACID, 1-PHENYL-2-PROPYNYL-, 1-(4-CHLOROPHENYL) ESTER

FW61150. o-CHLORPHENOL (German) see:SK26250 PHENOL, o-CHLORO-

FW89250. CHLOROPROPANONE see:UC07000 2-PROPANONE, 1-CHLORO-

FW91000. 1-CHLORO-2-PROPANONE see:UC07000 2-PROPANONE, 1-CHLORO-

FX03500. CHLOROPROPHAM see:FD80500 CARBANILIC ACID,m-CHLORO,ISOPROPYL ESTER

FX15750. CHLOROPROPYLENE OXIDE see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

FX17500. gamma-CHLOROPROPYLENE OXIDE see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

FX19250. 3-CHLORO-1,2-PROPYLENE OXIDE see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

FX35000. CHLOROQUINE MUSTARD (JNCIAM) see:VB01750 QUINOLINE, 4-((4-BIS(2-CHLOROETHYL)AMINO)-1-METHYLBUTYL)AMINO-7-CHLORO-

FX82250. alpha-CHLOROTOLUENE see:XS89250 TOLUENE, alpha-CHLORO-

FX84000. omega-CHLOROTOLUENE see:XS89250 TOLUENE, alpha-CHLORO-

FX93500. CHLOROTRIANISENE see:KV06000 ETHYLENE, CHLOROTRIS(p-METHOXYPHENYL)-

FX94500. CHLOROTRIAZINE see:XZ14000 s-TRIAZINE, 2,4,6-TRICHLORO-

FY16500. CHLOROTRIS(p-METHOXYPHENYL)ETHYLENE see:KV06000 ETHYLENE, CHLOROTRIS(p-METHOXYPHENYL)-

FY50300. 3-(4-CHLOR-PHENYL)-1,1-DIMETHYL-HARNSTOFF (German) see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

FY51000. N-(3-CHLOR-PHENYL)-ISOPROPYL-CARBAMAT (German) see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

FY66500. CHLORPROPHAM see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

FY67000. CHLORPROPHAME (French) see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

FY97500. alpha-CHLORTOLUOL (German) see:XS89250 TOLUENE, alpha-CHLORO-

FY98400. CHLORURE DE BENZYLE (French) see:XS89250 TOLUENE, alpha-CHLORO-

FZ01050. CHLORURE DE VINYLE (French) see:KU96250 ETHYLENE, CHLORO-

FZ01150. CHLORURE DE ZINC (French) see:ZH14000 ZINC CHLORIDE

FZ21000. 5-beta-CHOLAN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-
CAS: 000083443 MW: 392.40 MOLFM: 04-C24-H40
WLN: L E5 B666TJ A DQ E FY2VR OQ
SYN: CHOLEIC ACID * CHOLIC ACID, DEOXY- * CHOLOREBIC * DEGALOL * DEOXYCHOLATIC ACID * DEOXYCHOLIC ACID * DESOXYCHOLIC ACID * 3,12-DIHYDROXYCHOLANIC ACID * 3-alpha,12-alpha-DIHYDROXYCHOLANIC ACID * 3-alpha,12-alpha-DIHYDROXY-5-beta-CHOLANOIC ACID * DROXOLAN * 17-beta-(1-METHYL-3-CARBOXYPROPYL)-ETIOCHOLANE-3-alpha,12-alpha-DIOL *
TXDS: scu-frg LDLo:1600 mg/kg 27ZSAM 4.76,1350,-
scu-mus TDLo:1475 mg/kg/22WI TFX:NEO PRLBA4 129,439,40
ivn-rbt LD50:14 mg/kg ZGEMAZ 52,779,26

FZ21600. 5-beta-CHOLAN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-, compd. with CHOLANTHRENE, 3-METHYL-
MW: 1838.93 MOLFM: 4O4-C24-H40 .C21-H16
SYN: 20-METHYLCHOLANTHRENE-CHOLEIC ACID *
TXDS: scu-mus TDLo:200 mg/kg/26WI TFX:NEO JNCIAM 2,99,41

FZ22200. 5-beta-CHOLAN-24-OIC ACID, 3-alpha-12-alpha-DIHYDROXY-, compound with DIBENZ(a,h)ANTHRACENE
MW: 1848.92 MOLFM: 4O4-C24-H40 .C22-H14
SYN: 1,2,5,6-DIBENZANTHRACENE-CHOLEIC ACID *
TXDS: scu-mus TDLo:240 mg/kg/52WI TFX:CAR JNCIAM 2,99,41

FZ26250. CHOLANTHRENE
CAS: 000479232 MW: 254.14 MOLFM: C20-H14
WLN: L E6 D6656 1A T&&&T&J
SYN: BENZ(j)ACEANTHRYLENE, 1,2-DIHYDRO- * 7,8-DIMETHYLENEBENZ(a)ANTHRACENE *
TXDS: skn-mus TDLo:130 mg/kg/11WI TFX:CAR PRLBA4 123,343,37
scu-mus TDLo:160 mg/kg TFX:CAR CNREA8 1,695,41

FZ27000. CHOLANTHRENE, 20-t-BUTYL-
MW: 310.46 MOLFM: C24-H22
WLN: L E6 D6656 1A T&&&T&J RX
SYN: t-20-BUTYLCHOLANTHRENE *
TXDS: scu-mus TDLo:600 mg/kg/39WI TFX:NEO JNCIAM 2,99,41

FZ28000. CHOLANTHRENE, 6,12a-DIHYDRO-
MW: 257.37 MOLFM: C20-H17
SYN: meso-DIHYDROCHOLANTHRENE *
TXDS: scu-mus TDLo:100 mg/kg TFX:CAR CNREA8 1,685,41

FZ29750. CHOLANTHRENE, 11,12-DIHYDRO-11,12-EPOXY-3-METHYL-
CAS: 003416215 MW: 286.39 MOLFM: O-C21-H18
SYN: 11,12-DIHYDRO-11,12-EPOXY-3-METHYLCHOLANTHRENE * 11,12-EPOXY-11,12-DIHYDRO-3-METHYLCHOLANTHRENE *
TXDS: scu-mus TDLo:40 mg/kg TFX:CAR IJCNAW 2,505,67

FZ31500. CHOLANTHRENE, 6,12a-DIHYDRO-3-METHYL-
MW: 270.39 MOLFM: C21-H18
SYN: meso-DIHYDRO-3-METHYLCHOLANTHRENE *
TXDS: scu-mus TDLo:100 mg/kg TFX:CAR CNREA8 1,695,41

FZ33250. CHOLANTHRENE, 11,12-DIHYDRO-3-METHYL-
MW: 270.39 MOLFM: C21-H18
WLN: L E6 D6656 1A T6T6T6J R
SYN: 11,12-DIHYDRO-3-METHYLCHOLANTHRENE *
TXDS: skn-mus TDLo:170 mg/kg/57WI TFX:CAR JNCIAM 44,641,70

FZ34000. CHOLANTHRENE, 1,3-DIMETHYL-
MW: 282.40 MOLFM: C22-H18
SYN: 15,20-DIMETHYLCHOLANTHRENE *
TXDS: scu-mus TDLo:80 mg/kg/18WI TFX:NEO JNCIAM 2,99,41

FZ35000. CHOLANTHRENE-1,2-DIOL, cis-3-METHYL-
MW: 300.37 MOLFM: O2-C21-H16
WLN: L E6 D6656 1A T6&6T6J OQ PQ R -C
SYN: cis-1,2-DIHYDROXY-3-METHYLCHOLANTHRENE * cis-3-METHYLCHOLANTHRENE-1,2-DIOL *
TXDS: scu-mus TDLo:120 mg/kg/6WI TFX:CAR IJCNAW 2,505,67

FZ36000. CHOLANTHRENE, 3-ETHYL-
MW: 282.40 MOLFM: C22-H18
WLN: L E6 D6656 1A T6&6T6J R2
SYN: 3-ETHYLCHOLANTHRENE * 20-ETHYLCHOLANTHRENE *
TXDS: imp-mus TDLo:400 mg/kg TFX:NEO AJCAA7 33,499,38

FZ36200. CHOLANTHRENE, 6,7,8,9,10,12b-HEXAHYDRO-3-METHYL-
MW: 261.41 MOLFM: C20-H21
SYN: 6,7,8,9,10,12b-HEXAHYDRO-3-METHYL-CHOLANTHRENE *
TXDS: skn-mus TDLo:140 mg/kg/50WI TFX:CAR ZEKBAI 77,226,72

FZ36300. CHOLANTHRENE, 3-ISOPROPYL-
MW: 296.43 MOLFM: C23-H20
WLN: L E6 D6656 1A T6&6T6J RY
SYN: 20-ISOPROPYLCHOLANTHRENE *
TXDS: scu-mus TDLo:280 mg/kg/26W TFX:NEO JNCIAM 2,99,41

FZ36750. CHOLANTHRENE, 3-METHYL-
CAS: 000056495 MW: 268.37 MOLFM: C21-H16
WLN: L E6 D6656 1A T6&6T6J R
SYN: BENZ(j)ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL- * MC * 3-MC * 20-MC * MCA * METHYLCHOLANTHRENE * 3-METHYLCHOLANTHRENE * 2 20-METHYLCHOLANTHRENE *
TXDS: orl-rat TDLo:280 mg/kg TFX:CAR JNCIAM 48,185,72
skn-rat TDLo:34 mg/kg/25WI TFX:NEO PRLBA4 123,343,37
scu-rat TDLo:18 mg/kg TFX:CAR PSEBAA 129,509,68
ivn-rat TDLo:39 mg/kg/6D TFX:NEO CNREA8 29,506,69
par-rat TDLo:3 mg/kg TFX:CAR JNCIAM 12,1019,52
itr-rat TDLo:100 mg/kg/5WI TFX:CAR JNCIAM 49,541,72
imp-rat TDLo:800 ug/kg TFX:CAR APJAAG 23,87,73
skn-mus TDLo:13 mg/kg/42WI TFX:CAR JPMSAE 50,556,61
ipr-mus LDLo:100 mg/kg TXAPA9 23,288,72
ipr-mus TDLo:1600 mg/kg/20WI TFX:NEO PRLBA4 117,318,35
scu-mus TDLo:312 ug/kg TFX:CAR JNCIAM 3,503,43
itr-mus TDLo:120 mg/kg/WI TFX:CAR JNCIAM 47,697,71
imp-dog TDLo:40 mg/kg TFX:NEO CANCAR 14,1127,61
ipl-rbt TDLo:100 mg/kg/9WI TFX:NEO GANNA2 59,497,68
itr-rbt TDLo:200 mg/kg/17WI TFX:CAR CNREA8 32,1209,72
ipr-gpg TDLo:4 mg/kg TFX:CAR BJCAAI 27,445,73
scu-gpg TDLo:40 mg/kg/15D TFX:CAR CNREA8 22,1155,62
skn-ham TDLo:3320 ug/kg/40W TFX:NEO CNREA8 20,100,60
imp-ham TDLo:58 mg/kg TFX:CAR CJSOAX 4,338,61
ipr-ckn TDLo:4500 ug/kg/8WI TFX:CAR GROWAH 27,199,63
itr-dck TDLo:27 mg/kg TFX:CAR CNREA8 21,571,61
irn-frg LDLo:11 mg/kg CNREA8 24,1969,64

FZ38500. CHOLANTHRENE, 4-METHYL-
CAS: 0170128?4 MW: 268.37 MOLFM: C21-H16
WLN: L E6 D6656 1A T6&6T6J S
SYN: 22-METHYLCHOLANTHRENE *
TXDS: scu-mus TDLo:80 mg/kg TFX:CAR CNREA8 1,685,41

FZ40250. CHOLANTHRENE, 5-METHYL-
MW: 268.37 MOLFM: C21-H16
SYN: 5-METHYLCHOLANTHRENE *
TXDS: scu-mus TDLo:80 mg/kg TFX:CAR CNREA8 1,685,41

FZ40500. CHOLANTHRENE, 3-METHYL-, compd. with 1,3,5-TRINITROBENZENE (1:1)
SYN: 20-METHYLCHOLANTHRENE-TRINITROBENZENE *
TXDS: scu-mus TDLo:60 mg/kg TFX:NEO XPHPAW 149,319,51

FZ41000. CHOLANTHREN-1-OL, 3-METHYL-
MW: 283.36 MOLFM: O-C21-H15
WLN: L E6 D6656 1A T&&&T&J OQ R
SYN: 1-HYDROXY-3-METHYLCHOLANTHRENE * 15-HYDROXY-20-METHYLCHOLANTHRENE * 3-METHYLCHOLANTHREN-1-OL *
TXDS: scu-mus TDLo:120 mg/kg/6WI TFX:CAR IJCNAW 2,505,67

FZ42000. CHOLANTHREN-2-OL, 3-METHYL-
CAS: 003308643 MW: 284.37 MOLFM: O-C21-H16
WLN: L E6 D6656 1A T&&&T&J PQ R
SYN: 2-HYDROXY-3-METHYLCHOLANTHRENE * 3-METHYLCHOLANTHREN-2-OL *
TXDS: scu-mus TDLo:120 mg/kg/6WI TFX:CAR IJCNAW 2,505,67

FZ43750. CHOLANTHREN-1-ONE, 3-METHYL-
CAS: 003343075 MW: 282.37 MOLFM: O-C21-H14
WLN: L E6 D6656 1A T OV PHJ R
SYN: 15-KETO-20-METHYLCHOLANTHRENE * 3-METHYLCHOLANTHREN-1-ONE * 2 20-METHYLCHOLANTHREN-15-ONE *
TXDS: skn-mus TDLo:330 mg/kg/42WI TFX:CAR PRLBA4 129,439,40
scu-mus TDLo:120 mg/kg/6WI TFX:CAR IJCNAW 2,505,67

FZ45500. CHOLANTHREN-2-ONE, 3-METHYL-
MW: 282.35 MOLFM: O-C21-H14
WLN: L E6 D6656 1A T PV OHJ R
SYN: 3-METHYLCHOLANTHREN-2-ONE *
TXDS: scu-mus TDLo:120 mg/kg/6WI TFX:CAR IJCNAW 2,505,67

FZ47250. CHOLESTENONE see:FZ78750 CHOLEST-5-EN-3-ONE

FZ49000. CHOLEIC ACID see:FZ21000 5-beta-CHOLAN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-

FZ50750. 5-beta-CHOL-8(14)-EN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-
CAS: 000641816 MW: 390.62 MOLFM: O4-C24-H38
SYN: APOCHOLIC ACID * 3-alpha,12-alpha-DIHYDROXY-5-beta-CHOL-8(14)-EN-24-OIC ACID *
TXDS: scu-mus TDLo:200 mg/kg/14WI TFX:NEO NATUAS 190,1007,61

FZ65000. 5-alpha-CHOLESTA-1,3,6-TRIENE mixed with DIBENZ(a,h)ANTHRACENE (159:1 moles) see:HN36000
DIBENZ(a,h)ANTHRACENE mixed with 5-alpha-CHOLESTA-,1,3,6-TRIENE (1:159 moles)

FZ65500. 5-alpha-CHOLEST-6-ENE mixed with DIBENZ(a,h)ANTHRACENE (154:1 moles) see:HN36300
DIBENZ(a,h)ANTHRACENE mixed with 5-alpha-CHOLEST-6-ENE (1:154 moles)

FZ68250. CHOLEST-5-EN-3-beta-OL see:FZ84000 CHOLESTEROL

FZ69000. 5-CHOLESTEN-3-beta-OL see:FZ84000 CHOLESTEROL

FZ70000. 5-alpha-CHOLEST-7-EN-3-beta-OL
CAS: 000080999 MW: 387.74 MOLFM: O-C27-H47
SYN: 7-CHOLESTEN-3-beta-OL * LATHOSTEROL *
TXDS: scu-mus TDLo:600 mg/kg/9WI TFX:NEO JNCIAM 19,977,57

FZ71000. 5:6-CHOLESTEN-3-OL see:FZ84000 CHOLESTEROL

FZ71750. 5:6-CHOLESTEN-3-beta-OL see:FZ84000 CHOLESTEROL

FZ73500. 7-CHOLESTEN-3-beta-OL see:FZ70000 5-alpha-CHOLEST-7-EN-3-beta-OL

FZ74400. delta(sup 6)-CHOLESTEN-3-beta-OL-5-alpha-HYDROPEROXYD (German) see:FZ75250 CHOLEST-6-EN-3-beta-OL-5-alpha-HYDROPEROXIDE

FZ75250. CHOLEST-6-EN-3-beta-OL-5-alpha-HYDROPEROXIDE
CAS: 003328254 MW: 418.73 MOLFM: O3-C27-H46
WLN: L E5 B666 KUTJ A E PY&3Y MOQ OQ
SYN: delta(sup 6)-CHOLESTEN-3-beta-OL-5-alpha-HYDROPEROXIDE * delta(sup 6)-CHOLESTEN-3-beta-OL-5-alpha-HYDROPEROXYD (German) * CHOLESTEROL-5-HYDROPEROXIDE *
TXDS: ipr-mus TDLo:200 mg/kg TFX:NEO STRAAA 124,626,64

FZ76000. delta(sup 6)-CHOLESTEN-3-beta-OL-5-alpha-HYDROPEROXIDE see:FZ75250 CHOLEST-6-EN-3-beta-OL-5-alpha-HYDROPEROXIDE

FZ78750. CHOLEST-5-EN-3-ONE
CAS: 000601547 MW: 384.71 MOLFM: O-C27-H44
WLN: L E5 B666 OV LUTJ A E PY&3Y
SYN: DELTA(sup 5)-CHOLESTENONE * CHOLESTENONE * 5-CHOLESTEN-3-ONE *
TXDS: scu-mus TDLo:760 mg/kg/16W TFX:CAR CNREA8 6,403,46

FZ80500. 5-CHOLESTEN-3-ONE see:FZ78750 CHOLEST-5-EN-3-ONE

FZ81000. CHOLEST-4-EN-3-ONE, 6-beta-HYDROPEROXY-
CAS: 002207763 MW: 402.73 MOLFM: O2-C27-H46
WLN: L E5 B666 OV MUTJ A E FY&3Y LOQ
SYN: 6-beta-HYDROPEROXY-delta(sup 4)-CHOLESTEN-3-ONE * 6-HYDROPEROXY-4-CHOLESTEN-3-ONE * 6-beta-HYDROPEROXYCHOLEST-4-EN-3-ONE *
TXDS: scu-mus TDLo:600 mg/kg/9WI TFX:NEO JNCIAM 19,977,57

FZ81500. CHOLEST-4-EN-3-ONE, 6-HYDROXY- mixed with CHOLEST-5-EN-3-alpha-OL (1:1)
SYN: 6-beta-HYDROXY-4-CHOLESTEN-3-ONE mixed with EPICHOLESTEROL (1:1) *
TXDS: scu-mus TDLo:600 mg/kg/9WI TFX:NEO JNCIAM 19,977,57

FZ82250. CHOLESTERIN see:FZ84000 CHOLESTEROL

FZ84000. CHOLESTEROL
CAS: 000057885 MW: 386.46 MOLFM: O-C27-H46
WLN: L E5 B666 LUTJ A E FY&3Y OQ -B&AEFO
SYN: CHOLEST-5-EN-3-beta-OL * 5-CHOLESTEN-3-beta-OL * 5:6-CHOLESTEN-3-OL * 5:6-CHOLESTEN-3-beta-OL * CHOLESTERIN * CHOLESTRIN * CHOLESTROL * DYTHOL * 3beta-HYDROXYCHOLEST-5-ENE *
TXDS: scu-mus TDLo:600 mg/kg/9WI TFX:CAR JNCIAM 19,977,57
orl-rbt TDLo:84 gm/kg/42DI TFX:NEO JIDEAE 52,136,69

FZ84500. CHOLESTEROL-5-HYDROPEROXIDE see:FZ75250 CHOLEST-6-EN-3-beta-OL-5-alpha-HYDROPEROXIDE

FZ85750. CHOLESTEROL ISOHEPTYLATE
MW: 498.92 MOLFM: O2-C34-H58
WLN: L E5 B666 LUTJ A E FY&3Y OOV3Y
TXDS: scu-mus TDLo:600 mg/kg/I TFX:NEO JNCIAM 19,977,57

FZ88500. CHOLESTAN-3-beta-OL, 5-alpha,6-alpha-EPOXY-
MW: 402.73 MOLFM: O2-C27-H46
WLN: T3 F5 E666 1A R AX BOTJ IY&3Y J N QQ
SYN: CHOLESTROL-alpha-OXIDE * 5-alpha,6-alpha-EPOXY-3-beta-CHOLESTANOL *
TXDS: scu-mus TDLo:600 mg/kg/9WI TFX:NEO JNCIAM 19,977,57

FZ88700. CHOLESTROL-alpha-OXIDE see:FZ88500 CHOLESTAN-3-beta-OL, 5-alpha,6-alpha-EPOXY-

FZ92000. CHOLESTRIN see:FZ84000 CHOLESTEROL

FZ93000. CHOLESTROL see:FZ84000 CHOLESTEROL

FZ94500. CHOLIC ACID, DEOXY- see:FZ21000 5-beta-CHOLAN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-

GA80500. CHOLOREBIC see:FZ21000 5-beta-CHOLAN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-

GA84590. CHONDRUS EXTRACT see:FI07000 CARRAGEEN

GA91500. CHROMATE DE PLOMB (French) see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GA93000. CHROME GREEN see:GB64750 CHROMIUM(3+) OXIDE

GA94000. CHROME LEATHER BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

GA94500. CHROME LEATHER BLUE 3B see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

GA96250. CHROME LEMON see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GA98000. CHROME ORANGE see:OF98000 LEAD CHROMATE(6+) OXIDE

GA98500. CHROME OXIDE see:GB64750 CHROMIUM(3+) OXIDE

GB01000. CHROME (TRIOXYDE DE) (French) see:GB66500 CHROMIUM(6+) OXIDE

GB01750. CHROME YELLOW see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GB02600. CHROME YELLOW G see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GB03500. CHROME YELLOW 5G see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GB05250. CHROME YELLOW GP see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GB07000. CHROME YELLOW LP see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GB08750. CHROME YELLOW LIGHT 1066 see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GB10500. CHROME YELLOW LIGHT 1075 see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GB12250. CHROME YELLOW MEDIUM 1074 see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GB14000. CHROME YELLOW MEDIUM 1085 see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GB15750. CHROME YELLOW MEDIUM 1295 see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GB17500. CHROME YELLOW MEDIUM 1298 see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GB19250. CHROME YELLOW PRIMROSE 1010 see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GB21000. CHROME YELLOW PRIMROSE 1015 see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GB22750. CHROMIC ACETATE see:AG29750 ACETIC ACID, CHROMIUM(3+) SALT

GB26250. CHROMIC (VI) ACID see:GB66500 CHROMIUM (6+) OXIDE

GB27500. CHROMIC ACID, CALCIUM SALT (1:1)
MW: 158.10 MOLFM: O4-Cr-H2 .Ca
TXDS: imp-rat TDLo:25 mg/kg TFX:CAR AIHAAP 20,274,59

GB28000. CHROMIC ACID (H_2CrO_4), CALCIUM SALT (1:1), DIHYDRATE
CAS: 010060089 MW: 192.12 MOLFM: O4-Cr .Ca .2O-H2
WLN: CA CR-O2-Q2 QH2
SYN: CALCIUM CHROMATE (VI) * CALCIUM CHROME YELLOW * C.I. NO.77223 * C.I. PIGMENT YELLOW 33 * GELBIN YELLOW ULTRAMARINE * PIGMENT YELLOW 33 * STEINBUHL YELLOW *
TXDS: ims-rat TDLo:76 mg/kg/20WI TFX:CAR BJCAAI 23,172,69
imp-rat LDLo:112 mg/kg AMIHAB 21,530,60
imp-rat TDLo:25 mg/kg TFX:CAR AIHAAP 20,274,59
scu-mus TDLo:50 mg/kg TFX:CAR AMIHAB 21,530,60
imp-mus TDLo:50 mg/kg TFX:CAR AMIHAB 21,530,60
U.S. OCCUPATIONAL STANDARD USOS-air:CL100 ug/m3 (as CrO3) PEREAC 37,22139,72

GB29750. CHROMIC ACID, LEAD(2+) SALT (1:1)
CAS: 007758976 MW: 323.19 MOLFM: O4-Cr .Pb
WLN: PB CR-O2-Q2
SYN: C.I. 77600 * CANARY CHROME YELLOW 40-2250 * CHROMATE DE PLOMB (French) * CHROME LEMON * CHROME YELLOW * CHROME YELLOW G * CHROME YELLOW GF * CHROME YELLOW LF * CHROME YELLOW LIGHT 1066 * CHROME YELLOW LIGHT 1075 * CHROME YELLOW MEDIUM 1074 * CHROME YELLOW MEDIUM 1085 * CHROME YELLOW MEDIUM 1295 * CHROME YELLOW MEDIUM 1298 * CHROME YELLOW PRIMROSE 1010 * CHROME YELLOW PRIMROSE 1015 * CHROME YELLOW 5G * COLOGNE YELLOW * C.I. PIGMENT YELLOW 34 * DAINICHI CHROME YELLOW G * GIALLO CROMO (Italian) * KING'S YELLOW * LEAD CHROMATE(VI) * LEIPZIG YELLOW * LEMON YELLOW * PARIS YELLOW * PURE LEMON CHROME L3GS *
TXDS: scu-rat TDLo:150 mg/kg TFX:NEO TUMOAB 57,213,71
ipr-gpg LD50:400 mg/kg 12VXA5 8,612,68
U.S. OCCUPATIONAL STANDARD USOS-air:CL100 ug/m3(AsCrO3) PEREAC 37,22139,72

GB33250. CHROMIC ANHYDRIDE see:GB66500 CHROMIUM(6+) OXIDE

GB34000. CHROMIC OXIDE see:GB647500 CHROMIUM(3+) OXIDE

GB36750. CHROMIC TRIOXIDE see:GB66500 CHROMIUM(6+) OXIDE

GB40250. CHROMITE
CAS: 001308312 MW: 223.85 MOLFM: O4-Cr2-Fe
SYN: IRON CHROMATE (II) *
TXDS: ipl-mus TDLo:400 mg/kg TFX:NEO BJEPA5 53,190,72

GB42000. CHROMIUM
CAS: 007440473 MW: 52.00 MOLFM: Cr
WLN: .CR
TXDS: ihl-hmn TDLo:4500 ug/m3/5Y TFX:PUL JOCDAE 15,941,62
ivn-rat TDLo:2 mg/kg/6WI TFX:NEO JNCIAM 16,447,55
imp-rat TDLo:1 mg/kg/6WI TFX:NEO JNCIAM 16,447,55

GB43750. CHROMIUM ACETATE see:AG29750 ACETIC ACID, CHROMIUM (3+) SALT

GB64200. CHROMIUM OXIDE see:GB64750 CHROMIUM(3+) OXIDE

GB64750. CHROMIUM(3+) OXIDE
CAS: 001308389 MW: 152.00 MOLFM: O3-Cr2
SYN: ANHYDRIDE CHROMIQUE (French) * CASALIS GREEN * CHROME GREEN * CHROME OXIDE * CHROMIC OXIDE * CHROMIUM OXIDE * CHROMIUM OXIDE GREEN * CHROMIUM OXIDE PIGMENT * CHROMIUM OXIDE X1134 * CHROMIUM SESQUIOXIDE * CHROMIUM(3+) TRIOXIDE * C.I. 77288 * 11661 GREEN * GREEN CHROME OXIDE * GREEN CHROMIUM OXIDE * GREEN CINNABAR * GREEN OXIDE of CHROMIUM * GREEN OXIDE of CHROMIUM OC-31 * LEVANOX GREEN GA * OIL GREEN * OXIDE of CHROMIUM * PURE CHROMIUM OXIDE GREEN 59 *
TXDS: ipr-rat TDLo:100 mg/kg TFX:CAR VOONAW 13,57,67
itr-rat TDLo:100 mg/kg TFX:CAR VOONAW 13,57,67

GB66500. CHROMIUM(6+) OXIDE
CAS: 001333820 MW: 100.00 MOLFM: O3-Cr
WLN: .CR..O3
SYN: ANHYDRIDE CHROMIQUE (French) * ANIDRIDE CROMICA (Italian) * CHROME (TRIOXYDE DE) (French) * CHROMIC ANHYDRIDE * CHROMSAEUREANHYDRID (German) * CHROMIC TRIOXIDE * CHROMIUM(6+) TRIOXIDE * CHROMIC (VI) ACID * CHROMTRIOXID (German) * CHROOMTRIOXYDE (Dutch) * CHROOMZUURANHYDRIDE (Dutch) * CROMO(TRIOSSIDO DI) (Italian) *
TXDS: ihl-hmn TDLo:110 ug/m3 TFX:CAR AGGHAR 13,528,55
imp-rat TDLo:125 mg/kg TFX:CAR AIHAAP 20,274,59
scu-dog LDLo:330 mg/kg 27ZWAY 3.3,1521,-
U.S. OCCUPATIONAL STANDARD USOS-air:CL100 ug/m3(AsCrO3) PEREAC 37,22139,72

GB66600. CHROMIUM OXIDE GREEN see:GB64750 CHROMIUM(3+) OXIDE

GB66700. CHROMIUM OXIDE PIGMENT see:GB64750 CHROMIUM(3+) OXIDE

GB66800. CHROMIUM OXIDE X1134 see:GB64750 CHROMIUM(3+) OXIDE

GB69000. CHROMIUM SESQUIOXIDE see:GB64750 CHROMIUM(3+) OXIDE

GB73500. CHROMIUM(3+) TRIOXIDE see:GB64750 CHROMIUM(3+) OXIDE

GB75250. CHROMIUM(6+) TRIOXIDE see:GB66500 CHROMIUM(6+) OXIDE

GB91700. CHROMSAEUREANHYDRID (German) see:GB66500 CHROMIUM(6+) OXIDE

GB92000. CHROMTRIOXID (German) see:GB66500 CHROMIUM(6+) OXIDE

GB93600. CHROOMTRIOXYDE (Dutch) see:GB66500 CHROMIUM(6+) OXIDE

GB94000. CHROOMZUURANHYDRIDE (Dutch) see:GB66500 CHROMIUM(6+) OXIDE

GC07000. CHRYSENE
CAS: 000218019 MW: 228.30 MOLFM: C18-H12
WLN: L E6 B666J
SYN: 1,2-BENZOPHENANTHRENE * 1,2-BENZPHENANTHRENE * BENZ(a)PHENANTHRENE * 1,2,5,6-DIBENZONAPHTHALENE *
TXDS: scu-mus TDLo:200 mg/kg TFX:CAR CNREA8 15,632,55
skn-mus TDLo:3 mg/kg/31W TFX:CAR CNREA8 11,301,51

GC08000. CHRYSENE, 3,4-DIHYDRO-1,11-DIMETHYL-
MW: 258.38 MOLFM: C20-H18
TXDS: skn-mus TDLo:137 mg/kg/57WI TFX:NEO CNREA8 34,1315,74

GC08750. CHRYSENE, 1,2-DIMETHYL-
MW: 256.36 MOLFM: C20-H16
SYN: 1:2-DIMETHYLCHRYSENE *
TXDS: skn-mus TDLo:800 mg/kg/33WI TFX:CAR PRLBA4 129,439,40

GC08950. CHRYSENE, 1,11-DIMETHYL-
MW: 256.36 MOLFM: C20-H16
TXDS: skn-mus TDLo:120 mg/kg/50WI TFX:NEO CNREA8 34,1315,74

GC10500. CHRYSENE, 5,6-DIMETHYL-
CAS: 003697276 MW: 256.36 MOLFM: C20-H16
WLN: L E6 B666J C D
SYN: 5,6-DIMETHYLCHRYSENE *
TXDS: scu-mus TDLo:80 mg/kg TFX:NEO CNREA8 3,606,43

GC11000. CHRYSENE, 1,11-DIMETHYL-1,2,3,4-TETRAHYDRO-
MW: 259.39 MOLFM: C20-H19
TXDS: skn-mus TDLo:132 mg/kg/55WI TFX:NEO CNREA8 34,1315,74

GC12250. CHRYSENE, 5,6-EPOXY-5,6-DIHYDRO-
MW: 244.19 MOLFM: O-C18-H12
WLN: T C3 F6 B666 DOT&T&J
SYN: 5,6-EPOXY-5,6-DIHYDROCHRYSENE *
TXDS: scu-mus TDLo:400 mg/kg/10WI TFX:CAR IJCNAW 2,500,67

GC13500. CHRYSENE, 2-METHYL-
MW: 242.33 MOLFM: C19-H14
TXDS: skn-mus TDLo:864 mg/kg/72WI TFX:NEO JNCIAM 53,1121,74

GC13800. CHRYSENE, 3-METHYL-
MW: 242.33 MOLFM: C19-H14
TXDS: skn-mus TDLo:864 mg/kg/72WI TFX:NEO JNCIAM 53,1121,74

GC14000. CHRYSENE, 4-METHYL-
CAS: 003351302 MW: 242.33 MOLFM: C19-H14
WLN: L E6 B666J R
SYN: 4-METHYL CHRYSENE *

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          TXDS: scu-mus TDLo:80 mg/kg TFX:NEO                              CNREA8  3,606,43

GC15750. CHRYSENE, 5-METHYL-
          CAS: 003697243      MW: 242.33          MOLFM: C19-H14
          WLN: L E6 B666J C
          SYN: 5-METHYLCHRYSENE   *
          TXDS: scu-mus TDLo:80 mg/kg TFX:NEO                              CNREA8  3,606,43
                skn-mus TDLo:240 mg/kg/20WI TFX:NEO                        JNCIAM 53,1121,74

GC17500. CHRYSENE, 6-METHYL-
          CAS: 001705857      MW: 242.33          MOLFM: C19-H14
          SYN: 6-METHYLCHRYSENE   *
          TXDS: skn-mus TDLo:864 mg/kg/72WI TFX:NEO                        JNCIAM 53,1121,74
                imp-mus TDLo:160 mg/kg/25WI TFX:NEO                        JNCIAM 2,241,41

GC19250. CHRYSENE, 4,5-METHYLENE-    see:GY08750 4H-CYCLOPENTA(def)CHRYSENE

GC20000. CHRYSENE, 11-METHYL-1-OXO-1,2,3,4-TETRAHYDRO-
                          MW: 260.35          MOLFM: O-C19-H16
          TXDS: skn-mus TDLo:65 mg/kg/27WI TFX:NEO                         CNREA8 34,1315,74

GC21000. alpha-CHRYSIDINE    see:CU29750 BENZ(c)ACRIDINE

GC21320. CHRYSOIDINE    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21370. CHRYSOIDINE A    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21390. CHRYSOIDINE B    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21420. CHRYSOIDINE C CRYSTALS    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21500. CHRYSOIDINE G    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21550. CHRYSOIDINE GN    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21580. CHRYSOIDINE GS    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21600. CHRYSOIDINE HR    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21620. CHRYSOIDINE J    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21640. CHRYSOIDINE M    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21660. CHRYSOIDINE ORANGE    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21680. CHRYSOIDINE PRL    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21700. CHRYSOIDINE PRR    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21720. CHRYSOIDINE SS    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21730. CHRYSOIDINE Y    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21740. CHRYSOIDINE Y CRYSTALS    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21760. CHRYSOIDINE YL    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21770. CHRYSOIDINE YN    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21780. CHRYSOIDIN FB    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21790. CHRYSOIDIN Y    see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC21800. CHRYSOLITE    see:RK43750 OLIVINE

GC26250. CHRYSOTILE see also ASBESTOS
          CAS: 012001295      MW: 277.15          MOLFM: O9-Si2-H4 .3Mg
          TXDS: ihl-man TCLo:140 particles/m3 TFX:CAR                      AEHLAU 28,61,74
                ihl-rat TCLo:12 mg/m3/7H/12WI TFX:CAR                      BJCAAI 29,252,74
                ipr-rat LDLo:300 mg/kg                                     AJPAA4 70,291,73
                ipr-rat TDLo:100 mg/kg TFX:NEO                             ENVRAL 4,496,71
                scu-mus TDLo:2400 mg/kg/13WI TFX:NEO                       FCTXAV 6(5),566,68
                ipl-rat TDLo:80 mg/kg/4Y TFX:NEO                           BJCAAI 23,567,69
          U.S. OCCUPATIONAL STANDARD USOS-air                              PEREAC 37,22142,72
          CRIT DOC: OCCUPATIONAL EXPOSURE TO ASBESTOS                      NTIS** PB 209,510

GC36750. CI 556    see:AE71750 ACETANILIDE, 4',4'''-SULFONYLBIS-

GC41250. C.I. 11020    see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO
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GC41300. C.I. 11270 see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC41330. C.I. 11380 see:SR43750 PHENYLAZO-2-NAPHTHYLAMINE

GC41340. C.I. 11390 see:QM50000 2-NAPHTHYLAMINE, 1-(o-TOLYLAZO)-

GC41350. C.I. 12055 see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

GC41500. C.I. 12100 see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

GC41550. C.I. 12140 see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

GC41600. C.I. 12156 see:QL36750 2-NAPHTHOL, 1-((2,5-DIMETHOXYPHENYL)AZO)-

GC41750. C.I. 14600 see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

GC41800. C.I. 14700 see:QK27050 1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT

GC42000. C.I. 15985 see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

GC42500. C.I. 16150 see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

GC42600. C.I. 16155 see:QJ66500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((2,4,5-TRIMETHYLPHENYL)AZO)-, DISODIUM SALT

GC42750. C.I. 16185 see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GC43000. C.I. 16255 see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GC43780. C.I. 22610 see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

GC43850. C.I. 23060 see:DD05250 BENZIDINE, 3,3'-DICHLORO-

GC43900. C.I. 23850 see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)-BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

GC43950. C.I. 24110 see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

GC43970. C.I. 26050 see:QM28500 2-NAPHTHYLAMINE, N-ETHYL-1-((p-(PHENYLAZO)PHENYL)AZO)-

GC43980. C.I. 26105 see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

GC43990. C.I. 26665 see:QK26650 4-NAPHTHALENESULFONIC ACID, 1-HYDROXY-2-(p-(o'-TOLYLAZO)-o-TOLYLAZO)-, SODIUM SALT

GC44700. C.I. 37230 see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

GC44800. C.I. 37270 see:QM21000 2-NAPHTHYLAMINE

GC46000. C.I. 41000 see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

GC47900. C.I. 42045 see:IB91000 (4-(alpha-(p-(DIETHYLAMINO)PHENYL)-2,4-DISULFOBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)DIETHYLAMMONIUM HYDROXIDE inner salt, SODIUM SALT

GC48250. C.I. 42085 see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

GC50750. C.I. 42090 see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-

GC50900. C.I. 42095 see:BQ49000 AMMONIUM, ETHYL(4-(p-ETHYL-(m-SULFOBENZYL)AMINO-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE INNER SALT, DISODIUM SALT

GC51020. C.I. 42640 see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE-2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

GC51075. C.I. 44090 see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

GC51800. C.I. 73015 see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

GC52235. C.I. 75781 see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

GC54250. C.I. 77180 see:EU98000 CADMIUM

GC54300. C.I. 77199 see:EV31500 CADMIUM SULFIDE

GC54350. C.I. 77223 see:GB28000 CHROMIC ACID (H2CRO4), CALCIUM SALT (1:1), DIHYDRATE

GC54370. C.I. 77288 see:GB64750 CHROMIUM(+) OXIDE

GC54500. C.I. 77320 see:GF87500 COBALT

GC54550. C.I. 77480 see:MD50750 GOLD

GC54810. C.I. 77600 see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GC56800. C.I. 77775 see:QR59500 NICKEL

GC57000. C.I. 77777 see:QR84000 NICKEL (2+) OXIDE

GC57340. C.I. ACID BLUE 3 see:IB91000 (4-(alpha-(p-(DIETHYLAMINO)PHENYL)-2,4-DISULFOBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLI= DENE)DIETHYLAMMONIUM HYDROXIDE inner salt, SODIUM SALT

GC57380. C.I. ACID BLUE 9 see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)- 2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

GC57450. C.I. ACID BLUE 9, DIAMMONIUM SALT see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)- 2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

GC57460. C.I. ACID BLUE 9, DISODIUM SALT see:BQ47250 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)- 2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

GC57500. C.I. ACID BLUE 1, SODIUM SALT see:IB91000 (4-(alpha-(p-(DIETHYLAMINO)PHENYL)-2,4-DISULFOBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLI= DENE)DIETHYLAMMONIUM HYDROXIDE inner salt, SODIUM SALT

GC57580. C.I. ACID GREEN 3 see:BQ43750 AMMONIUM, ETHYL(4-(p-METHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

GC57650. C.I. ACID GREEN 5 see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO-alpha-(p-SULFOPHENYL)BENZYLIDENE)- 2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE INNER SALT, DISODIUM SALT

GC57680. C.I. ACID GREEN 5, DISODIUM SALT see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO-alpha-(p-SULFOPHENYL)BENZYLIDENE)- 2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE INNER SALT, DISODIUM SALT

GC57700. C.I. ACID GREEN 3, MONOSODIUM SALT see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-PHENYLBENZYLIDENE)-. 2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

GC57730. C.I. ACID GREEN 50, MONOSODIUM SALT see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

GC57760. C.I. ACID ORANGE 20 see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

GC57800. C.I. ACID RED 18 see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GC57850. C.I. ACID RED 26 see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

GC57860. C.I. ACID RED 27 see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GC57875. C.I. ACID RED 148 see:QK26650 4-NAPHTHALENESULFONIC ACID, 1-HYDROXY-2-(p-(o'-TOLYLAZO)-o-TOLYLAZO)-, SODIUM SALT

GC57900. C.I. ACID RED 26, DISODIUM SALT see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

GC57925. C.I. ACID RED 148, MONOSODIUM SALT see:QK26650 4-NAPHTHALENESULFONIC ACID, 1-HYDROXY-2-(p-(o'-TOLYLAZO)-o-TOLYLAZO)-, SODIUM SALT

GC57950. C.I. ACID RED 18, TRISODIUM SALT see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GC57960. C.I. ACID RED 27, TRISODIUM SALT see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GC58000. C.I. ACID YELLOW 73 see:LM54250 FLUORESCEIN, DISODIUM SALT

GC58400. C.I. AZOIC DIAZO COMPONENT 48 see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

GC58450. C.I. AZOIC DIAZO COMPONENT 112 see:DC96250 BENZIDINE

GC58500. C.I. AZOIC DIAZO COMPONENT 48, FAST BLUE B SALT see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

GC58550. C.I. AZOIC DIAZO COMPONENT 113 see:DD12250 BENZIDINE, 3,3'-DIMETHYL-METHYLPROPYL)-, MALEATE

GC58600. C.I. AZOIC DIAZO COMPONENT 114 see:QM14000 1-NAPHTHYLAMINE

GC58630. C.I. 41000B see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

GC75250. CIBACETE DIAZO NAVY BLUE 2B see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

GC81300. CIBAZOL see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

GC83250. C.I. BASIC ORANGE 2 see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC83500. C.I. BASIC ORANGE 3 see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC83750. C.I. BASIC ORANGE 2, MONOHYDROCHLORIDE see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

GC84950. C.I. BASIC YELLOW 2 see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

GC85000. C.I. BASIC YELLOW 2, FREE BASE see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

GC85100. C.I. BASIC YELLOW 2, MONOHYDROCHLORIDE see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

GC92000. CICP see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

GD01780. C.I. DIRECT BLUE 14 see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)- BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

GD01800. C.I. DIRECT BLUE 6, TETRASODIUM SALT see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

GD01830. C.I. DIRECT BLUE 14, TETRASODIUM SALT see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)- BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

GD01860. C.I. DIRECT BROWN 78 see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)- 2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

GD01900. C.I. DIRECT BROWN 78, DIAMMONIUM SALT see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)- 2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

GD01990. C.I. 45350 DISODIUM SALT see:LM54250 FLUORESCEIN, DISODIUM SALT

GD02000. C.I. DISPERSE BLACK 6 see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

GD02600. C.I. DISPERSE BLACK 6 DIHYDROCHLORIDE see:DD10500 BENZIDINE, 3,3'-DIMETHOXY-, DIHYDROCHLORIDE

GD03030. C.I. FOOD BLUE 1 see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

GD03050. C.I. FOOD BLUE 2 see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)- 2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

GD03100. C.I. FOOD BLUE 1, DISODIUM SALT see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

GD03500. C.I. FOOD GREEN 1 see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

GD04000. C.I. FOOD GREEN 3 see:BQ44250 AMMONIUM, ETHYL(4-(alpha-(p-ETHYL(m-SULFOBENZYL)AMINO) PHENYL)-4-HYDROXY-3-SULFOBENZYLIDINE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE INNER SALT, DISODIUM SALT

GD04500. C.I. FOOD GREEN 4 see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

GD04900. C.I. FOOD RED 1 see:QK27050 1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT

GD05750. C.I. FOOD RED 7 see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GD06250. C.I. FOOD RED 5 see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

GD06300. C.I. FOOD RED 6 see:QJ66500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((2,4,5-TRIMETHYLPHENYL)AZO)-, DISODIUM SALT

GD06400. C.I. FOOD RED 9 see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GD06600. C.I. FOOD RED 1, DISODIUM SALT see:QK27050 1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT

GD06750. C.I. FOOD RED 6, DISODIUM SALT see:QJ66500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((2,4,5-TRIMETHYLPHENYL)AZO)-, DISODIUM SALT

GD06820. C.I. FOOD VIOLET 2 see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

GD06850. C.I. FOOD YELLOW 3 see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

GD06870. C.I. FOOD YELLOW 11 see:QM50000 2-NAPHTHYLAMINE, 1-(o-TOLYLAZO)-

GD06900. C.I. FOOD YELLOW 3, DISODIUM SALT see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

GD07000. CIGNOLIN see:CB12250 1,8,9-ANTHRACENETRIOL

GD08750. CI-IPC see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

GD11000. CILEFA BLUE R see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

GD12250. CILEFA ORANGE S see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

GD14000. CILEFA PONCEAU 4R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GD14900. CILEFA RUBINE 2B see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GD24150. C.I. NATURAL BLUE 2 see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

GD91000. CINNAMIC ACID, o-HYDROXY-, delta-LACTONE see:GN42000 COUMARIN

GE42900. C.I. PIGMENT BLACK 11 see:OM49000 MAGNETITE

GE43750. CIPC see:FD80500 CARBANILIC ACID,m-CHLORO,ISOPROPYL ESTER

GE44200. C.I. PIGMENT METAL 3 see:MD50750 GOLD

GE44600. C.I. PIGMENT ORANGE 20 see:EV31500 CADMIUM SULFIDE

GE44800. C.I. PIGMENT RED see:OF98000 LEAD CHROMATE(6+) OXIDE

GE45700. C.I. PIGMENT YELLOW 33 see:GB28000 CHROMIC ACID (H2CRO4), CALCIUM SALT (1:1), DIHYDRATE

GE45900. C.I. PIGMENT YELLOW 34 see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GE46100. C.I. PIGMENT YELLOW 37 see:EV31500 CADMIUM SULFIDE

GE46700. C.I. REACTIVE BLUE 19, DISODIUM SALT see:CB10500 2-ANTHRACENESULFONIC ACID, 1-AMINO-9,10-DIHYDRO-4-(m-((2-HYDROXYETHYL)SULFONYL)ANILINO- 9,10-DIOXO-, HYDROGEN SULFATE (ester), DISODIUM SALT

GE58050. C.I. 45350 SODIUM SALT see:LM54250 FLUORESCEIN, DISODIUM SALT

GE58400. C.I. SOLVENT BLUE 7 see:BY82250 ANILINE, p-(PHENYLAZO)-

GE58425. C. I. SOLVENT BROWN 1 see:ST29000 m-PHENYLENEDIAMINE, 4-(1-NAPHTHYLAZO)-

GE58450. C.I. SOLVENT ORANGE 2 see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

GE58452. C.I. SOLVENT RED 19 see:QM28500 2-NAPHTHYLAMINE, N-ETHYL-1-((p-(PHENYLAZO)PHENYL)AZO)-

GE58453. C.I. SOLVENT RED 24 see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

GE58460. C.I. SOLVENT RED 80 see:QL36750 2-NAPHTHOL, 1-((2,5-DIMETHOXYPHENYL)AZO)-

GE58700. C.I. SOLVENT YELLOW 1 see:BY82250 ANILINE, p-(PHENYLAZO)-

GE58900. C.I. SOLVENT YELLOW 2 see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

GE59000. C.I. SOLVENT YELLOW 3 see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

GE59100. C.I. SOLVENT YELLOW 5 see:SR43750 PHENYLAZO-2-NAPHTHYLAMINE

GE59150. C.I. SOLVENT YELLOW 6 see:QM50000 2-NAPHTHYLAMINE, 1-(o-TOLYLAZO)-

GE59200. C.I. SOLVENT YELLOW 14 see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

GE59300. C.I. SOLVENT YELLOW 34 see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

GE87760. CITRULLAMON see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

GE88020. CITRULLIAMON see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

GE88300. CITRUS RED 2 see:QL36750 2-NAPHTHOL, 1-((2,5-DIMETHOXYPHENYL)AZO)-

GE88700. CITRUS RED NO. 2 see:QL36750 2-NAPHTHOL, 1-((2,5-DIMETHOXYPHENYL)AZO)-

GP01000. CL-14377 see:MA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

GP08750. CLAPEN see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

GP10500. CLAIRFORMIN see:LV26250 4H-FURO(3,2-c)PYRAN-2(6H)-ONE, 4-HYDROXY-

GP12250. CLAVACIN see:LV26250 4H-FURO(3,2-c)PYRAN-2(6H)-ONE, 4-HYDROXY-

GP14000. CLAVATIN see:LV26250 4H-FURO(3,2-c)PYRAN-2(6H)-ONE, 4-HYDROXY-

GP15750. CLAVIFORMIN see:LV26250 4H-FURO(3,2-c)PYRAN-2(6H)-ONE, 4-HYDROXY-

GP35590. CLONT see:NI56000 IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-

GP43750. CLORAMIN see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

GP49000. CLOREX see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

GP53500. CLORODIFENILI, CLORO 54% (Italian) see:CP61250 AROCLOR 1254

GP54550. 3-(4-CLORO-FENIL)-1,1-DIMETIL-UREA (Italian) see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

GP54750. 1-CLORO-2,3-EPOSSIPROPANO (Italian) see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

GP54800. N-(3-CLORO-FENIL)-ISOPROPIL-CARBAMMATO (Italian) see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

GP55000. CLOROFORMIO (Italian) see:FS91000 CHLOROFORM

GP63000. CLOTH RED B see:QK26650 4-NAPHTHALENESULFONIC ACID, 1-HYDROXY-1-(p-(o'-TOLYLAZO)-o-TOLYLAZO)-, SODIUM SALT

GP73500. CMME see:KN66500 ETHER, CHLOROMETHYL METHYL

GP78750. CMU see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

GP84000. COAL NAPHTHA see:CY14000 BENZENE

GP84800. COAL OIL see:SE71750 PETROLEUM

GP85750. COAL TAR, AEROSOL
TXDS: ihl-mus TCLo:160 mg/m3/55WI TFX:NEO JNCIAM 39,175,67
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 200 ug/m3 FEREAC 37,22139,72

GP87500. COBALT
CAS: 007440484 MW: 58.93 MOLFM: Co
WLN: .CO
SYN: C.I. 77320 * KOBALT (Polish) *
TXDS: orl-rat LDLo:1500 mg/kg 14CYAT -,1026,-
ims-rat TDLo:112 mg/kg TFX:NEO BJCAAI 14,478,60
itr-rat LDLo:25 mg/kg NTIS** AEC-TR-6710,159,67
orl-rbt LDLo:20 mg/kg AIPTAK 62,347,39
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 100 ug/m3 FEREAC 37,22139,72

GG11090. COBALT(II) NITRATE (1:2)
CAS: 010141056 MW: 182.95 MOLFM: N2-O6 .Co
WLN: CO N-O2-O*2
SYN: COBALTOUS NITRATE * NITRIC ACID, COBALT(2+) SALT *
TXDS: orl-rbt LDLo:400 mg/kg 12VXA5 8,274,68
scu-rbt TDLo:7760 ug/kg/5DC TFX:NEO COREAF 236,1387,53

GG21000. COBALTOUS NITRATE see:GG11090 COBALT(II) NITRATE (1:2)

GG22750. COBALTOUS OXIDE see:GG28000 COBALT(2+) OXIDE

GG26250. COBALTOUS SULFIDE see:GG33250 COBALT(2+) SULFIDE

GG28000. COBALT(2+) OXIDE
MW: 74.93 MOLFM: O-Co
SYN: COBALTOUS OXIDE *
TXDS: orl-rat LD50:1700 mg/kg AIHAAP 30,470,69
ims-rat TDLo:135 mg/kg TFX:CAR CNREA8 22,152,62
ims-mus LDLo:800 mg/kg CNREA8 22,152,62

GG33250. COBALT(2+) SULFIDE
CAS: 001317426 MW: 90.99 MOLFM: S-Co
WLN: .CO..S
SYN: COBALTOUS SULFIDE *
TXDS: ims-rat TDLo:180 mg/kg TFX:CAR CNREA8 22,158,62

GG49000. COCCINE see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GG50750. COCCIN RED see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GG52500. COCCOCLASE see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

GG56000. COCHINEAL RED A see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GG57750. COCHINEAL RED 4R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GG59500. COCHINEAL RED A SPECIALLY PURE see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GH03600. COLACID PONCEAU 4R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GH03700. COLACID PONCEAU SPECIAL see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

GH04000. COLCEMID see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

GH04500. COLCEMIDE see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

GH05000. COLCHAMINE see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

GH05500. COLCHICIN (German) see:GH07000 COLCHICINE

GH06000. COLCHICINA (Italian) see:GH07000 COLCHICINE

GH07000. COLCHICINE
CAS: 000064868 MW: 399.48 MOLFM: N-O6-C22-H25
WLN: L B677 MV&T&J CO1 DO1 EO1 JMV1 NO1
SYN: ACETAMIDE, N-(5,6,7,9-TETRAHYDRO-1,2,3,10-TETRAMETHOXY-9-OXOBENZO(alpha)HEPTALEN-7-YL)- * N-ACETYL TRIMETHYLCOLCHICINIC ACID METHYLETHER * BENZO(a)HEPTALEN-9(5H)-ONE, 7-ACETAMIDO-6,7-DIHYDRO-1,2,3,10-TETRAMETHOXY- * COLCHICIN (German) * COLCHICINA (Italian) * NSC 757 *
TXDS: orl-hmn LDLo:186 ug/kg/4D AJCPAI 45,481,42
ipr-rat LD50:6100 ug/kg TXAPA9 24,37,73
skn-mus TDLo:144 mg/kg/14W TFX:NEO BJCAAI 9,177,55
ipr-mus LD50:3500 ug/kg CANCAR 3,124,50

ipr-mus TDLo:2500 mg/kg TFX:MUT TXAPA9 23,288,72
scu-mus LDLo:3 mg/kg AEPPAE 166,437,32
ivn-mus LD50:3.55 mg/kg TXAPA9 23,537,72
unk-cat LDLo:500 ug/kg CANCAR 3,124,50
ivn-ham TDLo:10 mg/kg/(14th D of preg) TFX:TER ANREAK 148,129,64

GH08000. COLCHICINE, N-DEACETYL-N-METHYL-
CAS: 000477305 MW: 371.47 MOLFM: N-O5-C21-H25
WLN: L B677 MV6T6J CO1 DO1 EO1 JM1 NO1
SYN: COLCEMID * COLCEMIDE * COLCHAMINE * COLCHICINE, 7-DEACETAMIDO-7-(METHYLAMINO)- * COLCHINE, N-DEACETYL-N-METHYL * DEACETYLMETHYLCOLCHICINE * DEACETYL-N-METHYLCOLCHICINE * N-DEACETYL-N-METHYLCOLCHICINE * DEMECOLCIN * DEMECOLCINE * N-DESACETYL-N-METHYLCOLCHICINE * DESMECOLCINE * METHYLCOLCHICINE * N-METHYL-N-DESACETYLCOLCHICINE * OMAIN * OMAINE * SANTAVY'S SUBSTANCE F * SUBSTANCE F *
TXDS: ivn-rat TDLo:5700 ug/kg TFX:NEO OIBP** 3,5,70
ipr-mus LDLo:75 mg/kg FATOAO 34,83,71
unk-rbt TDLo:500 ug/kg/(preg) TFX:TER FESTAS 18,7,67

GH09500. COLCHINE, N-DEACETYL-N-METHYL see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

GH21000. COLLIRON I.V. see:NO77000 IRON OXIDE, SACCHARATED

GH24500. COLLOMIDE see:WO84000 SULFANILAMIDE

GH28000. COLOGNE SPIRIT see:KQ63000 ETHYL ALCOHOL

GH29750. COLOGNE YELLOW see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

GK08750. COLSULANYDE see:WO84000 SULFANILAMIDE

GK10500. COMESTROL ESTROBENE see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

GK10930. COMITAL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

GK11790. COMITOINA see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

GK22750. COMPOCILLIN-G see:XH96250 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-

GK29750. COMPOUND 118 see:IO21000 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-, endo,exo-

GK31500. COMPOUND 338 see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

GK33250. COMPOUND 497 see:IO17500 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-6,7-

GK48000. COMPOUND 3961 see:WZ61250 TERPENE POLYCHLORINATES

GK52500. COMPOUND 7744 see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

GK57000. Compound 33355 see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

GK57750. COMPOUND 38,174 see:QJ91000 2-NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-

GK64750. COMPOUND 88R see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

GK77000. CONGO Blue see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

GL28000. CONTRA CREME see:OV64750 MERCURY, (ACETATO)PHENYL-

GL42400. CONVUL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

GL45600. COOMASSIE VIOLET see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

GL61250. COPPERAS see:WS91000 SULFURIC ACID, IRON(2+) SALT (1:1)

GL76500. COPPER 8-HYDROXYQUINOLINE see:VC52500 8-QUINOLINOL, COPPER (II) chelate

GL94500. COPTICIDE see:WO84000 SULFANILAMIDE

GM36750. CORLUTIN see:TW01750 PROGESTERONE

GM38500. CORLUTINA see:TW01750 PROGESTERONE

GM40250. CORLUVITE see:TW01750 PROGESTERONE

GM53000. CORONA COROZATE see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

GM56600. POSPERNO see:RG12250 OCTADECANOIC ACID, 9,10:12,13-DIEPOXY-

GM59500. COROZATE see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

GM61250. CORPORIN see:TW01750 PROGESTERONE

GM63000. CORPUS LUTEUM HORMONE see:TW01750 PROGESTERONE

GM71750. CORTATE see:HG05250 11-DOEXYCORTICOSTERONE, ACETATE

GM73500. CORTENIL see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

GM75250. CORTESAN see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

GM77000. CORTEXONE ACETATE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

GM78750. CORTICOSTERONE, DEOXY-, ACETATE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

GM80500. CORTIPAR see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

GM82250. CORTIGEN see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

GM84000. CORTINAQ see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

GM84700. CORTINAZINE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

GM85300. CORTINIZIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

GM85750. CORTIRON see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

GM92750. CORTIVIS see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

GM96250. CORTIXYL see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

GN17500. COSMEGEN see:AU15750 ACTINOMYCIN D

GN19250. COTINAZIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

GN21500. COTINIZIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

GN42000. COUMARIN
CAS: 000091645 MW: 146.15 MOLFM: O2-C9-H6
WLN: T66 BOVJ
SYN: 2H-1-BENZOPYRAN-2-ONE * 2H-1-BENZOPYRAN, 2-OXO- * 1,2-BENZOPYRONE * CINNAMIC ACID, ortho-HYDROXY-, delta-LACTONE * cis-o-COUMARINIC ACID LACTONE * COUMARINIC ANHYDRIDE * CUMARIN * o-HYDROXYCINNAMIC ACID LACTONE * 2-OXO-1,2-BENZOPYRAN * TONKA BEAN CAMPHOR *
TXDS: orl-rat LD50:293 mg/kg PCTXAV 12,385,74
orl-mus LD50:196 mg/kg YKKZAJ 83,1124,63
skn-mus TDLo:1800 mg/kg TFX:NEO BJCAAI 9,177,55
ipr-mus LDLo:64 mg/kg CBCCT* 1,106,49
scu-mus LD50:242 mg/kg YKKZAJ 83,1124,63
orl-gpg LD50:202 mg/kg PCTXAV 2,327,64

GN80500. cis-o-COUMARINIC ACID LACTONE see:GN42000 COUMARIN

GN82250. COUMARINIC ANHYDRIDE see:GN42000 COUMARIN

GO01750. CP 15,336 see:EZ82250 CARBAMIC ACID, DIISOPROPYLTHIO-, S-(2,3-DICHLOROALLYL) ESTER

GO20000. CPH see:FD05750 CARBAMIC ACID, 2-PHENYLHYDRAZIDE

GO32800. CR 3029 see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

GO43750. CRAG SEVIN see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

GO50100. CRATECIL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

GO56400. CREMOMETHAZINE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

GO68350. o-CRESOL, 4-(p-AMINOPHENYLAZO)-6-METHYL-
MW: 241.32 MOLFM: N3-O-C14-H15
TXDS: orl-rat TDLo:1000 ppm/2Y TFX:CAR AABIAV 52,33,63
ipr-rat LD50:350 mg/kg AABIAV 52,33,63
idr-rat TDLo:100 mg/kg TFX:CNS AABIAV 52,33,63

GO68500. m-CRESOL with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:4800 mg/kg/12WI TFX:NEO CNREA8 19,413,59

GO68800. o-CRESOL with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:4800 mg/kg/12WI TFX:NEO CNREA8 19,413,59

GO69300. p-CRESOL with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:4800 mg/kg/12WI TFX:NEO CNREA8 19,413,59

GP38100. CRESOTINE BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

GP43750. CRESOTINE BLUE 3B see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

GP76000. CRINOVARYL see:KG85750 ESTRONE

GP81000. CRISTALLOVAR see:KG85750 ESTRONE

GP82250. CROCIDOLITE see also ASBESTOS
CAS: 012001284 MW: 935.97 MOLFM: O24-Si8-H2 .Na2-Fe++3-Fe+++2
SYN: CROCIODOLITE *
TXDS: ihl-rat TDLo:12 mg/m3/13WI TFX:CAR RRCRBU 39,37,72
ipr-rat LDLo:300 mg/kg AJPAA4 70,291,73
ipr-rat TDLo:100 mg/kg TFX:NEO ENVRAL 4,496,71
ipl-rat TDLo:100 mg/kg TFX:NEO IARC** 2,27,73
scu-mus TDLo:2400 mg/kg/12WI TFX:CAR PCTXAV 6,566,68
U.S. OCCUPATIONAL STANDARD USOS-air PEREAC 37,22142,72
CRIT DOC: OCCUPATIONAL EXPOSURE TO ASBESTOS NTIS** PB 209,510

GP84000. CROCIODOLITE see:GP82250 CROCIDOLITE see also ASBESTOS

GP88500. CROMO(TRIOSSIDO DI) (Italian) see:GB66500 CHROMIUM(6+) OXIDE

GQ63000. CROTON OIL
CAS: MX8001283
SYN: CROTON RESIN *
TXDS: skn-mus TDLo:3300 mg/kg/55WI TFX:CAR BJCAAI 10,72,56
ipr-mus LDLo:1 mg/kg TXAPA9 23,288,72

GQ71750. CROTON RESIN see:GQ63000 CROTON OIL

GQ84800. CRUDE OIL see:SE71750 PETROLEUM

GR46000. CRYSTOGEN see:KG85750 ESTRONE

GR47250. CRYSTOIDS see:VH15750 RESORCINOL, 4-HEXYL-

GR84000. CUMARIN see:GN42000 COUMARIN

GR85300. CUMENENHYDROPEROXYDE (Dutch) see:MX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

GR89250. CUMENE HYDROPEROXIDE see:MX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

GR94500. CUMENT HYDROPEROXIDE see:MX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

GR96250. CUMENT HYDROPEROXIDE see:MX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

GR98000. p-(p-CUMENYLAZO)-N,N-DIMETHYLANILINE see:BX22750 ANILINE, p-(p-CUMENYLAZO)-N,N-DIMETHYL-

GS01750. CUMENYL HYDROPEROXIDE see:MX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

GS15000. CUMOLHYDROPEROXID (German) see:MX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

GS15750. CUMYL HYDROPEROXIDE see:MX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

GS17500. alpha-CUMYL HYDROPEROXIDE see:MX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

GS19250. alpha-CUMYL HYDROPEROXIDE see:MX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

GS24000. CUPRIC CHELATE of 2-N-HYDROXYFLUORENYLACETAMIDE see:AK91000 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, COPPER(2+) COMPLEX

GS38000. CURETARD see:VC23000 1(2H)-QUINOLINE, 1-NITROSO-2,2,4-TRIMETHYL-, POLYMER

GS40250. CUROL BRIGHT RED 4R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

GS45500. CY see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

GS68250. CYANIC ACID, POTASSIUM SALT
CAS: 000590283 MW: 81.12 MOLFM: N-O-C .K
WLN: .KA..OCN
SYN: AERO CYANATE * ALICYANATE * BULPUR * POTASSIUM CYANATE *
TXDS: orl-mus LD50: 841 mg/kg PCOC** -,925,-
ipr-mus TDLo:100 mg/kg TFX:NEO BCPCA6 2,168,59

GS92910. 7-CYANOBENZ(c)ACRIDINE see:CU30500 BENZ(c)ACRIDINE-7-CARBONITRILE

GS93000. 10-CYANO-1:2-BENZANTHRACENE see:CW10500BENZ(a)ANTHRACENE, 7-CYANO-

GS97900. 5-CYANO-9,12-DIMETHYL-1,2-BENZANTHRACENE see:CW12250 BENZ(a)ANTHRACENE, 8-CYANO-7,12-DIMETHYL-

GT38500. 5-CYANO-10-METHYL-1,2-BENZANTHRACENE
TXDS: scu-mus TDLo:200 mg/kg TFX:NEO JNCIAM 1,303,40

GT40250. 7-CYANO-10-METHYL-1,2-BENZANTHRACENE
TXDS: scu-mus TDLo:400 mg/kg TFX:NEO JNCIAM 1,303,40

GT42000. 10-CYANOMETHYL-1,2-BENZANTHRACENE
TXDS: scu-mus TDLo:600 mg/kg TFX:NEO JNCIAM 1,303,40

GT68250. CYANURCHLORIDE see:XZ14000 s-TRIAZINE, 2,4,6-TRICHLORO-

GT70000. CYANURIC ACID CHLORIDE see:XZ14000 s-TRIAZINE, 2,4,6-TRICHLORO-

GT75250. CYANURIC CHLORIDE see:XZ14000 s-TRIAZINE, 2,4,6-TRICHLORO-

GT78750. CYANURIC TRICHLORIDE see:XZ14000 s-TRIAZINE, 2,4,6-TRICHLORO-

GT84000. CYCASIN see:LZ59500 beta-D-GLUCOPYRANOSIDE, (METHYL-ONN-AZOXY)METHYL)-

GT85300. CYCLAMATE SODIUM see:GV73500 CYCLOHEXANESULFAMIC ACID, MONOSODIUM SALT

GT85500. CYCLAMATE, SODIUM SALT see:GV73500 CYCLOHEXANESULFAMIC ACID, MONOSODIUM SALT

GU17750. 1,3-CYCLOBUTANEDIONE, TETRAMETHYL-
MW: 140.20 MOLFM: O2-C8-H12
SYN: TETRAMETHYL-1,3-CYCLOBUTANEDIONE *
TXDS: scu-mus TDLo:210 mg/kg/53WI TFX:NEO JNCIAM 46,143,71

GU18000. CYCLOBUTENE-1,2-DIONE, 3,4-DIHYDROXY-
MW: 114.06 MOLFM: O4-C4-H2
SYN: 3,4-DIHYDROXY-3-CYCLOBUTENE-1,2-DIONE *
TXDS: scu-mus TDLo:370 mg/kg/92WI TFX:NEO JNCIAM 46,143,71

GU18500. CYCLOBUTEN-1-ONE, TETRACHLORO-
MW: 205.84 MOLFM: O-C14-C4
SYN: PERCHLORO-2-CYCLOBUTENE-1-ONE *
TXDS: scu-mus TDLo:280 mg/kg/70WI TFX:NEO JNCIAM 46,143,71

GU21000. CYCLOCHLOROTINE
MW: 571.49 MOLFM: N5-O7-C12-C24-H30
TXDS: orl-mus LD50:6550 ug/kg FCTXAV 10,193,72
orl-mus TDLo:346 mg/kg/31WC TFX:NEO FCTXAV 10,193,72
scu-mus LD50:475 ug/kg FCTXAV 10,193,72
ivn-mus LD50:335 ug/kg FCTXAV 10,193,72

GU23500. CYCLOESTROL see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

GU24000. p-N-CYCLO ETHYLENEUREIDOAZOBENZENE see:CN23000 AZOBENZENE, 4-N-CYCLO-ETHYLENEUREIDO-

GU31500. CYCLOHEPTANECARBAMIC ACID, 1,1-BIS(p-FLUOROPHENYL)-2-PROPYNYL ESTER
CAS: 020929991 MW: 383.47 MOLFM: N-O2-F2-C23-H23
WLN: L7TJ AMVOXR DF&R DF&1UU1
SYN: 1,1-BIS(4-FLUOROPHENYL)-2-PROPYNYL N-CYCLOHEPTYLCARBAMATE *
TXDS: orl-rat TDLo:470 mg/kg/65DC TFX:CAR CNREA8 30,2952,70
ipr-rat LD50:215 mg/kg HarPN# 21Oct74
orl-mus LD50:405 mg/kg HarPN# 21Oct74
ipr-mus LD50:318 mg/kg HarPN# 21Oct74

GU49000. CYCLOHEXADIENEDIONE see:DK26250 p-BENZOQUINONE

GU50750. 1,4-CYCLOHEXADIENEDIONE see:DK26250 p-BENZOQUINONE

GU52500. 2,5-CYCLOHEXADIENE-1,4-DIONE see:DK26250 p-BENZOQUINONE

GU54250. 1,4-CYCLOHEXADIENE DIOXIDE see:DK26250 p-BENZOQUINONE

GU71750. CYCLOHEXANECARBAMIC ACID, 1,1-DIPHENYL-2-PROPYNYL ESTER
CAS: 010087895
SYN: 1,1-DIPHENYL-2-PROPYNYL-N-CYCLOHEXYLCARBAMATE *
TXDS: orl-rat TDLo:6000 mg/kg/68WC TFX:CAR PAACA3 10,35,69

GU85000. CYCLOHEXANECARBOXYLIC ACID, 3,4-EPOXY-6-METHYL-, 3,4-EPOXY-6-METHYLCYCLOHEXYLMETHYL ESTER
see:RN77000 7-OXABICYCLO(4.1.0)HEPTANE-3-CARBOXILIC ACID, 4-METHYL-, (4-METHYL-7-OXABICYCLO(4.1.0) HEPT-3-YL)METHYL ESTER

GV33250. CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, alpha- see:GV35000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, alpha-isomer

GV35000. CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, alpha-isomer
CAS: 000319846 MW: 290.82 MOLFM: C16-C6-H6
WLN: L6TJ AG BG CG DG EG FG *ALPHA
SYN: BENZENE HEXACHLORIDE-alpha-isomer * alpha-BENZENEHEXACHLORIDE * alpha-BHC * CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, alpha- * CYCLOHEXANE,alpha-1,2,3,4,5,6-HEXACHLORO * ENT 9,232 * alpha-HEXACHLOROCYCLOHEXANE * alpha-1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE * alpha-LINDANE *
TXDS: orl-rat LD50:500 mg/kg ARSIM* 20,5,66
orl-mus TDLo:8350 mg/kg/24WC TFX:CAR JNCIAM 51,1637,73
ipr-mus LDLo:128 mg/kg CBCCT* 1,107,49

GV36750. CYCLOHEXANE,alpha-1,2,3,4,5,6-HEXACHLORO- see:GV35000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, alpha-isomer

GV40250. CYCLOHEXANE, beta-1,2,3,4,5,6-HEXACHLORO see:GV43750 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, beta-isomer

GV42000. CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, beta- see:GV43750 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, beta-isomer

GV43750. CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, beta-isomer
CAS: 000319857 MW: 290.82 MOLFM: C16-C6-H6
WLN: L6TJ AG BG CG DG EG FG *BETA
SYN: trans-alpha-BENZENEHEXACHLORIDE * beta-BENZENEHEXACHLORIDE * beta-BHC * CYCLOHEXANE,beta-1,2,3,4,5,6-HEXACHLORO * CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, beta- * CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, trans- * beta-HEXACHLOROCYCLOHEXANE * beta-1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE * beta-LINDANE *
TXDS: orl-mus TDLo:31 gm/kg/2YC TFX:CAR FCTXAV 11,433,73
ipr-mus LDLo:512 mg/kg CBCCT* 1,107,49

GV49000. CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer
CAS: 000058899 MW: 290.82 MOLFM: C16-C6-H6
WLN: L6TJ AG BG CG DG EG FG *GAMMA
SYN: AFICIDE * AGRISOL G-20 * AGROCIDE * AGROCIDE 2 * AGROCIDE 7 * AGROCIDE III * AGROCIDE WP * APARASIN * APHTIRIA * BBH * BEN-HEX * BENZENE HEXACHLORIDE-gamma-isomer * gamma BENZENE HEXACHLORIDE * BEXOL * gamma-BHC * DETOX 25 * GAMMAHEXANE * GAMMEXANE * GEXANE * HCH * gamma-HCH * HEXACHLORAN * HEXACHLORANE * 1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE, gamma-ISOMER * HGI * JACUTIN * KWELL * LINDANE * gamma-LINDANE * LOREXANE * STREDNEX *
TXDS: orl-hmn LDLo:840 mg/kg AEHLAU 25,374,72
orl-rat LD50:88 mg/kg TXAPA9 2,88,60
skn-rat LD50:500 mg/kg WRPCA2 9,119,70
orl-mus LD50:86 mg/kg FEPRA7 6,386,47
orl-mus TDLo:62 gm/kg/2YC TFX:CAR FCTXAV 11,433,73
ipr-mus LDLo:75 mg/kg TXAPA9 23,288,72
orl-dog LDLo:50 mg/kg JPETAB 92,147,48
orl-rbt LD50:60 mg/kg FEPRA7 6,386,47
skn-rbt LD50:50 mg/kg AFDOAQ 16,3,52
ivn-rbt LDLo:4000 ug/kg JPETAB 92,140,48
orl-gpg LD50:127 mg/kg FEPRA7 6,386,47
U.S. OCCUPATIONAL STANDARD USOS-air 500 ug/m3 (skin) PEREAC 37,22139,72

GV49500. CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (mixed isomers)
MW: 290.82 MOLFM: C16-C6-H6
WLN: L6TJ AG BG CG DG EG FG
SYN: BENZENEHEXACHLORIDE, mixed isomers * 1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE (mixture of isomers) *
TXDS: orl-mus TDLo:22 gm/kg/24WC TFX:CAR GANNA2 62,431,71

GV49800. CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, trans- see:GV43750 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, beta-isomer

GV73500. CYCLOHEXANESULFAMIC ACID, MONOSODIUM SALT
CAS: 000139059 MW: 202.25 MOLFM: N-O3-S-C6-H13 .Na
WLN: L6TJ ANSWO &-NA-
SYN: ASSUGRIN * CYCLAMATE SODIUM * CYCLAMATE, SODIUM SALT * SODIUM CYCLAMATE * SODIUM CYCLOHEXANESULFAMATE * SODIUM CYCLOHEXYL SULFAMATE * SODIUM

SUCARYL * SUCARYL SODIUM *
TXDS: ipr-rat LD50:1350 mg/kg NCIBR* NIH-NCI-E-68-1311
orl-mus LD50:1525 mg/kg ALPIA8 -,-,66
ipr-mus LD50:1154 mg/kg NCIBR* NIH-NCI-E-68-1311
imp-mus TDLo:176 mg/kg TFX:NEO SCIEAS 167,996,70

GV74000. CYCLOHEXANESULFAMIC ACID, MONOSODIUM SALT mixed with 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE, SODIUM SALT (10:1)
SYN: SODIUM CYCLAMATE mixed with SODIUM SACCHARIN (10:1) * SODIUM SACCHARIN mixed with SODIUM CYCLAMATE (1:10) *
TXDS: orl-rat TDLo:1825 gm/kg/2YC TFX:CAR SCIEAS 167,1131,70

GW24500. CYCLOHEXATRIENE see:CY14000 BENZENE

GW46000. 1-CYCLOHEXENE-1-CARBOXYLIC ACID, 3,4,5-TRIHYDROXY-
CAS: 000138590 MW: 174.17 MOLFM: O5-C7-H10
WLN: L6UTJ AVQ CQ DQ EQ
TXDS: orl-mus TDLo:4000 mg/kg TFX:NEO NATUAS 250,348,74
ipr-mus LD50:1000 mg/kg NATUAS 250,348,74
ipr-mus TDLo:40 mg/kg TFX:NEO NATUAS 250,348,74

GW62500. 3-CYCLOHEXENE, 1-HYDROPEROXY-
MW: 113.15 MOLFM: O2-C6-H9
TXDS: skn-mus TDLo:6960 mg/kg/58WI TFX:NEO JNCIAM 35,707,65

GW66500. 1-CYCLOHEXENE, 4-VINYL-
CAS: 000100403 MW: 108.20 MOLFM: C8-H12
WLN: L6UTJ D1U1
SYN: 1-VINYLCYCLOHEXENE-3 * 4-VINYLCYCLOHEXENE *
TXDS: orl-rat LD50:3080 mg/kg AIHAAP 30,470,69
ihl-rat LCLo:8000 ppm/4H AIHAAP 30,470,69
skn-mus TDLo:145 gm/kg/54WI TFX:NEO JNCIAM 31,41,63

GX15750. CYCLOHEXYLAMINE, N-METHYL-N-NITROSO-
CAS: 005432280 MW: 142.23 MOLFM: N2-O-C7-H14
WLN: L6TJ AN1&NO
SYN: CYCLOHEXYLAMINE, N-NITROSO-N-METHYL- * METHYLCYCLOHEXYLNITROSAMINE * N-METHYL-N-NITROSOCYCLOHEXYLAMINE * N-NITROSO-N-METHYLCYCLOHEXYLAMINE *
TXDS: orl-rat LD50:80 mg/kg TXAPA9 17,426,70
orl-rat TDLo:120 mg/kg/5WI TFX:CAR ARZNAD 19,1077,69
ipr-rat LD50:28 mg/kg TXAPA9 17,426,70
orl-mus LD50:57 mg/kg TXAPA9 17,426,70
orl-ham LD50:168 mg/kg TXAPA9 17,426,70

GX17500. CYCLOHEXYLAMINE, N-NITROSO-N-METHYL- see:GX15750 CYCLOHEXYLAMINE, N-METHYL-N-NITROSO-

GX18000. CYCLOHEXYLAMINE, SULFATE
MW: 196.27 MOLFM: N-C6-H12 .O4-S-H2
WLN: L6TJ AZ &.H2.S-O4
TXDS: orl-rat TDLo:11 gm/kg/2YC TFX:CAR SCIEAS 167,131,70

GX96250. CYCLOOCTANECARBAMIC ACID, 1,1-BIS(p-FLUOROPHENYL)-2-PROPYNYL ESTER
MW: 397.50 MOLFM: N-O2-F2-C24-H25
WLN: L8TJ AMVOXR DF&1UU1
SYN: 1,1-BIS(4-FLUOROPHENYL)-2-PROPYNYL N-CYCLOOCTYL CARBAMATE *
TXDS: orl-rat TDLo:2200 mg/kg/65DC TFX:CAR CNREA8 30,2952,70
ipr-rat LD50:617 mg/kg HarPN# 21Oct74
ipr-mus LD50:456 mg/kg HarPN# 21Oct74

GY08000. 1H-CYCLOPENT(j)ACEANTHRYLENE, 2,7,8,9-TETRAHYDRO-
MW: 244.35 MOLFM: C19-H16
SYN: 1,2-CYCLOPENTENO-5-10-ACEANTHRENE *
TXDS: scu-mus TDLo:160 mg/kg/43WI TFX:NEO JNCIAM 2,99,41

GY08750. 4H-CYCLOPENTA(def)CHRYSENE
CAS: 000202982 MW: 240.31 MOLFM: C19-H12
WLN: L D6 B6566 2AB S LHJ
SYN: CHRYSENE, 4,5-METHYLENE- * 4,5-METHYLENECHRYSENE *
TXDS: scu-mus TDLo:80 mg/kg TFX:NEO CNREA8 3,606,43

GY14000. CYCLOPENTADIENE, HEXACHLORO-, DIMER see:PC82250 1,3,4-METHENO-1H-CYCLOBUTA(cd)PENTALENE, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-= DODECACHLOROOCTAHYDRO-

GY16500. pi-CYCLOPENTADIENYL compd with NICKEL see:QR65000 NICKEL, compd with pi-CYCLOPENTADIENYL (1:1)

GY19250. CYCLOPENTA(c)FURO(3',2':4,5)FURO(2,3-h)(1)BENZOPYRAN-1,11-DIONE, 2,3,6a,9a-TETRAHYDRO-4-METHOXY-
CAS: 001162658 MW: 312.29 MOLFM: O6-C17-H12
WLN: T F5 C6 B655 DOV GV OO QO RUT&&TTJ LO1
SYN: AFBI * AFLATOXIN B * AFLATOXIN B1 *

TXDS: orl-rat LD50:7 mg/kg BJCAAI 18,756,64
orl-rat TDLo:357 ug/kg/68WC TFX:CAR CNREA8 27,2370,67
ipr-rat LD50:6 mg/kg TXAPA9 25,458,73
ipr-rat TDLo:6 mg/kg/8WI TFX:CAR CNREA8 31,1936,71
scu-rat TDLo:1.8 mg/kg/20WI TFX:CAR CNREA8 31,1936,71
ipr-mus TDLo:211 mg/kg/4WI TFX:NEO JNCIAM 40,1195,68
orl-dog LD50:500 ug/kg PAVEAC 3,331,66
orl-mky LD50:2200 ug/kg TXAPA9 19,169,71
orl-cat LD50:550 ug/kg CNREA8 29,236,69
orl-dog LD50:620 ug/kg CNREA8 29,236,69
orl-gpg LD50:2 mg/kg TXAPA9 19,169,71
ipr-gpg LD50:1400 ug/kg JPBAA7 91,277,66
ipr-ham TDLo:4 mg/kg/(8D preg) TFX:TER NATUAS 215,638,67
orl-dck LD50:335 ug/kg PSEBAA 123,151,66

GY29750. CYCLOPENTANECARBOXYLIC ACID, 2-METHYLENE-3-OXO-, SODIUM SALT
CAS: 000874215 MW: 163.14 MOLFM: O3-C7-H8 .Na
SYN: SARKOMYCIN, SODIUM SALT * SARKOMYCIN B*, SODIUM SALT * SODIUM SARKOMYCIN *
TXDS: scu-rat TDLo:1680 mg/kg/42W TFX:NEO BJCAAI 19,392,65

GY54250. 1H-CYCLOPENT(a)ANTHRACENE, 3-ETHYL-2,3-DIHYDRO-6-METHYL-
MW: 260.40 MOLFM: C20-H20
TXDS: orl-rat LDLo:1000 mg/kg CNREA8 26,619,66
orl-rat TDLo:1000 mg/kg TFX:CAR CNREA8 26,619,66

GY56000. 4H-CYCLOPENTA(def)PHENANTHRENE
CAS: 000203645 MW: 190.25 MOLFM: C15-H10
WLN: L566 B6 2AB O DHJ
TXDS: orl-rat TDLo:3000 mg/kg TFX:NEO CNREA8 26,619,66

GY56500. 15H-CYCLOPENTA(a)PHENANTHRENE, 16,17-DIHYDRO-17-METHYLENE-
MW: 230.32 MOLFM: C18-H14
SYN: 16,17-DIHYDRO-17-METHYLENE-15H-CYCLOPENTA(a)PHENANTHRENE *
TXDS: skn-mus TDLo:125 mg/kg/52WI TFX:NEO NATUAS 210,1281,66

GY57000. 15H-CYCLOPENTA(a)PHENANTHRENE, 17-METHYL-
MW: 230.32 MOLFM: C18-H14
SYN: 17-METHYL-15H-CYCLOPENTA(a)PHENANTHRENE *
TXDS: skn-mus TDLo:125 mg/kg/52WI TFX:NEO NATUAS 210,1281,66

GY57750. 17H-CYCLOPENTA(a)PHENANTHREN-17-ONE, 15,16-DIHYDRO-11-METHYL-
CAS: 000892171 MW: 246.32 MOLFM: O-C18-H14
SYN: 15,16-DIHYDRO-11-METHYL-17H-CYCLOPENTA(a)PHENANTHREN-17-ONE *
TXDS: skn-mus TDLo:46 mg/kg/19WI TFX:CAR NATUAS 210,1281,66

GY64600. 1,2-CYCLOPENTENO-5-10-ACEANTHRENE see:GY08000 1H-CYCLOPENT(j)ACEANTHRYLENE, 2,7,8,9-TETRAHYDRO-

GY65300. 5:6-CYCLOPENTENO-1:2-BENZANTHRACENE see:DE86500 1H-BENZO(a)CYCLOPENT(h)ANTHRACENE, 2,3-DIHYDRO-

GY66500. 6,7-CYCLOPENTENO-1,2-BENZANTHRACENE see:DE85750 BENZO(a)CYCLOPENT(h)ANTHRACENE

GY94500. CYCLOPHOSPHAMID see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

GY96250. CYCLOPHOSPHAMIDE see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

GY98000. CYCLOPHOSPHAN see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

GZ01750. CYCLOPHOSPHANE see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

GZ06000. 5H-CYCLOPROPA(3,4)BENZ(1,3-e)AZULEN-5-ONE, 1,1a-alpha,1b-beta,4,4a,7a-alpha,7b,8,9,9a-DECAHYDRO-4a-alpha,7b-alpha,9-beta,9a-alpha-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-alpha-TETRAMETHYL-
CAS: 026241634 MW: 363.47 MOLFM: O6-C20-H27
SYN: PHORBOL *
TXDS: ipr-mus TDLo:400 mg/kg/25W TFX:CAR CNREA8 30,2744,70

GZ06100. 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a-beta,1b-alpha,4,4a,7a-beta,7b,8,9,9a-DECAHYDRO-4a-alpha,7b-beta,9-alpha,9a-beta-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-beta-TETRAMETHYL-, 9-ACETATE 9a-DECANOATE
MW: 560.80 MOLFM: O8-C32-H48
SYN: PHORBOL ACETATE, CAPRATE *
TXDS: skn-mus TDLo:26 mg/kg/32WI TFX:NEO NATWAY 54,282,67

GZ06200. 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a,1b,4,4a,7a,7b,8,9,9a-DECAHYDRO-4a,7-beta,9,9a-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-TETRAMETHYL-, 9-ACETATE 9a-LAURATE
CAS: 011034085 MW: 576.85 MOLFM: C8-C33-H52
SYN: PHORBOL ACETATE, LAURATE * PHORBOL MONOACETATE MONOLAURATE *
TXDS: skn-mus TDLo:20 mg/kg/25WI TPX:NEO NATWAY 54,282,67

GZ06300. 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a-beta,1b-alpha,4,4a,7a-beta,7b,8,9,9a-DECAHYDRO-4a-alpha,7b-beta,9-alpha,9a-beta-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-beta-TETRAMETHYL-, 9a-ACETATE 9-MYRISTATE
CAS: 016561298 MW: 604.91 MOLFM: C8-C35-H56
SYN: PENTAHYDROXY-TIGLIADIENONE-MONOACETATE(c)MONOMYRISTATE(b) * PHORBOL ACETATE, MYRISTATE * PHORBOL MONOACETATE MONOMYRISTATE *
TXDS: skn-mus TDLo:20 mg/kg/25WI TPX:NEO NATWAY 54,282,67

GZ06400. 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a-beta,1b-alpha,4,4a,7a-beta,8,9,9a-DECAHYDRO-4a-alpha,7b-beta,9-alpha,9a-beta-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-beta-TETRAMETHYL-, 9a-DECANOATE (S)-(+)-9-(2-METHYLBUTYRATE)
CAS: 011034096 MW: 592.90 MOLFM: C8-C34-H56
SYN: PHORBOL CAPRATE, (+)-(S)-2-METHYLBUTYRATE * PHORBOL MONODECANOATE (S)-(+)-MONO(2-METHYLBUTYRATE) *
TXDS: skn-mus TDLo:24 mg/kg/30WI TPX:NEO NATWAY 54,282,67

GZ06500. 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a-beta,1b-alpha,4,4a,7a-beta,7b,8,9,9a-DECAHYDRO-4a-alpha,7b-beta,9-alpha,9a-beta-TETRAHYDROXY-3-(HYSROXYMETHYL)-1,1,6,8-beta-TETRAMETHYL-, 9a-DECANOATE 9-(2-METHYLCROTONATE)
CAS: 011034109 MW: 588.86 MOLFM: C8-C34-H52
SYN: PHORBOL CAPRATE, TIGLATE * PHORBOL MONODECANOATE MONO(2-METHYLCROTONATE), (E)- *
TXDS: skn-mus TDLo:23 mg/kg/29WI TPX:NEO NATWAY 54,282,67

GZ06600. 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a-beta,1b-alpha,4,4a,7a-beta,7b,8,9,9a-DECAHYDRO-4a-alpha,7b-beta,9-alpha,9a-beta-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-beta-TETRAMETHYL-, 9a-LAURATE (S)-(+)-9-(2-METHYLBUTYRATE)
CAS: 011034110 MW: 618.94 MOLFM: C8-C36-H58
SYN: PHORBOL LAURATE, (+)-S-2-METHYLBUTYRATE * PHORBOL MONOLAURATE MONO(S)-(+)-2-METHYLBUTYRATE *
TXDS: skn-mus TDLo:24 mg/kg/30WI TPX:NEO NATWAY 54,282,67

GZ66500. p-CYMENE-2,5-DIONE see:OS82250 p-MENTHA-3,6-DIENE-2,5-DIONE

HA03500. CYREN A see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

HA07000. CYSTAMIN see:MN47250 HEXAMETHYLENETETRAMINE

HA31500. CYSTOGEN see:MN47250 HEXAMETHYLENETETRAMINE

HA33250. CYSTOIDS ANTHELMINTIC see:VB15750 RESORCINOL, 4-HEXYL-

HA63000. CYTOXAN see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

HA64750. CYTROL see:XZ38500 s-TRIAZOLE, 3-AMINO-

HA66500. CYTROLE see:XZ38500 s-TRIAZOLE, 3-AMINO-

HA67700. CZTEROCHLOREK WEGLA (Polish) see:FG49000 CARBON TETRACHLORIDE

HA68000. CZTEROETYLEK OLOWIU (Polish) see:TP45500 PLUMBANE, TETRAETHYL-

HA73500. D-50 see:UQ22750 PYRAZINECARBOXAMIDE

HA94500. DAAB see:XY26250 TRIAZENE, 1,3-DIPHENYL-

HA96250. DAB see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

HB08750. DACTINOMYCIN see:AU15750 ACTINOMYCIN D

HB14000. DAGENAN see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

HB17300. DAISHIKI AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

HB17500. DAISHIKI BRILLIANT SCARLET 3R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

HB45500. DANA see:IA35000 DIETHYLAMINE, N-NITROSO-

HB48000. DANTEN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

HB49250. DANTINAL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

HB49500. DANTOINAL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

HB49750. DANTOINAL KLINOS see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

HB50000. DANTOINE see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

HB75250. DATC see:EZ82250 CARBAMIC ACID, DIISOPROPYLTHIO-, S-(2,3-DICHLOROALLYL) ESTER

HB78750. DAUNOMYCIN
CAS: 001407154 MW: 526.56 MOLFM: N-O10-C27-H28
SYN: NSC-82151 * RUBIDOMYCIN, HYDROCHLORIDE * STREPTOMYCES PEUCETIUS *
TXDS: ipr-rat LDLo:10 mg/kg NCINS* 2,24,67
ivn-rat LD50:13 mg/kg NCINS* 2,24,67
ivn-rat TDLo:5 mg/kg TFX:CAR CNREA8 32,1029,72
ipr-mus LD50:2500 ug/kg NCINS* 2,24,67
ivn-mus LD50:25 mg/kg NCINS* 2,24,67

HB91700. DB-905 see:DB96250 BENZENE, 1,2,3,4-TETRACHLORO-5-NITRO-

HB92750. DBA see:CW38500 BENZ(a)ANTHRACENE, 7,12-DIMETHYL-

HB94500. DB(a,h)A see:RN26250 DIBENZ(a,h)ANTHRACENE

HC01750. 7H-DB(c,g)C see:HO56000 7H-DIBENZO(c,g)CARBAZOLE

HC03000. 1,2-DEHYDRO-3-METHYLCHOLANTHRENE see:CU12250 BENZ(j)ACEANTHRYLENE, 3-METHYL-

HC06500. DBN see:EJ40250 1-BUTANAMINE, N-BUTYL-N-NITROSO-

HC12250. DB(a,e)P see:QL01750 NAPHTHO(1,2,3,4,def)CHRYSENE

HC14000. DB(a,h)P see:HO57750 DIBENZO(b,def)CHRYSENE

HC15750. DB(a,i)P see:DI57750 BENZO(r,s,t)PENTAPHENE

HC21000. DB(a,l)P see:HO61250 DIBENZO(def,p)CHRYSENE

HC26250. D&C RED NO. 5 see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

HC29750. DCA see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

HC38500. 2,3-DCDT see:EZ82250 CARBAMIC ACID, DIISOPROPYLTHIO-, S-(2,3-DICHLOROALLYL) ESTER

HC40250. DCEE see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

HC54250. DCP see:SK85750 PHENOL, 2,4-DICHLORO-

HC58800. D&C RED No. 14 see:QL57000 2-NAPHTHOL, 1-((4-TOLYLAZO)TOLYLAZO)-

HC59000. D and C VIOLET NO. 1 see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

HC61250. D AND C YELLOW No. 8 see:LN54250 FLUORESCEIN, DISODIUM SALT

HC67300. DDC see:FD42000 CARBAMOYL CHLORIDE, DIMETHYL-

HC68250. DDD see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

HC70000. p,p'-DDD see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

HC74000. p,p'-DDE see:KV94500 ETHYLENE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

HC78200. DDOA see:AH13500 ACETIC ACID, ester with 2,6-DIMETHYL-m-DIOXAN-4-OL

HC80500. DDT see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

HC82250. p,p'-DDT see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

HC86500. DEACETYL-N-METHYLCOLCHICINE see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

HC86550. N-DEACETHYL-N-METHYLCOLCHICINE see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

HC86750. DEACETYLMETHYLCOLCHICINE see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

HC98000. DEB see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

ED78750. DECANE, 1,2:9,10-DIEPOXY-
MW: 170.28 MOLFM: O2-C10-H18
WLN: T3OTJ B- 26
SYN: 1,2:9,10-DIEPOXYDECANE *

TXDS: ihl-mus TDLo:5100 mg/kg TFX:NEO RARSAM 3,193,63

HD90000. DECANE, 1,2:4,5:9,10-TRIEPOXY-
MW: 184.26 MOLFM: O3-C10-H16
SYN: 1,2,4,5,9,10-TRIEPOXYDECANE *
TXDS: skn-mus TDLo:1068 mg/kg/89WI TFX:NEO JNCIAM 53,695,74
scu-mus TDLo:1040 mg/kg/26WI TFX:NEO JNCIAM 53,695,74

HE22750. DECHAN see:HY42000 DICYCLOHEXYLAMINE, NITRITE

HE23000. DECHLORANE see:PC82250 1,3,4-METHENO-1H-CYCLOBUTA(cd)PENTALENE, 1,1a,2,2,3,3a,4,5,5,5a,5b,6- DODECACHLOROOCTAHYDRO-

HE30200. DECKOR see:KV03500 ETHYLENE, CHLORO- POLYMER

HE35000. DECORTIN see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

HE36750. DECORTON see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

HE38500. DECOSTERONE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

HE40250. DECOSTRATE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

HE81000. DEFONIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

HE84000. DEGALOL see:PZ21000 5-beta-CHOLAN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-

HE84500. DE GRAAFINA see:KG40500 ESTRADIOL, 3-BENZOATE

HE85750. DEGRANOL see:OP21000 MANNITOL, 1,6-BIS((2-CHLOROETHYL)AMINO-1,6-DIDEOXY-, D-,

HE92750. DEHYDRACETIC ACID see:UP80500 2H-PYRAN-2,4(3H)-DIONE, 3-ACETYL-6-METHYL-

HE96250. DEHYDROACETIC ACID see:UP80500 2H-PYRAN-2,4(3H)-DIONE, 3-ACETYL-6-METHYL-

HF09000. delta(sup 3)-DEHYDRO-3,4-TRIMETHYLENEISOBENZANTHRENE-2 see:DE87000 BENZO(de)CYCLOPENT(a)ANTHRACENE

HF31500. DELTA(sup 5)-CHOLESTENONE see:PZ78750 CHOLEST-5-EN-3-ONE

HF37800. DELTA-MVE see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

HF42000. DELTA(sup 4)-PREGNENE-3,20-DIONE see:TW01750 PROGESTERONE

HF59400. DEMECOLCIN see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

HF59500. DEMECOLCINE see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

HF73500. DEMETHYLDOPAN see:YQ89250 URACIL, 5-(BIS(2-CHLOROETHYL)AMINO)-

HF89250. DEN see:IA35000 DIETHYLAMINE, N-NITROSO-

HF91000. DENA see:IA35000 DIETHYLAMINE, N-NITROSO-

HF94500. DENYL see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

HF98000. DEOXYCHOLATIC ACID see:PZ21000 5-beta-CHOLAN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-

HG01750. DEOXYCHOLIC ACID see:PZ21000 5-beta-CHOLAN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-

HG05250. 11-DEOXYCORTICOSTERONE, ACETATE
CAS: 000056473 MW: 372.32 MOLFM: O4-C23-H32
WLN: L E5 B666 OV MUTJ A P FV1OV1
SYN: 21-ACETOXY-3,20-DIKETOPREGN-4-ENE * CORTACET * CORTATE * CORTENIL * CORTESAN * CORTEXONE ACETATE * CORTICOSTERONE, DEOXY-, ACETATE * CORTIPAR * CORTIGEN * CORTINAQ * CORTIRON * CORTIVIS * CORTIXYL * DCA * DECORTIN * DECORTON * DECOSTERONE * DECOSTRATE * 11-DEOXYCORTICOSTERONE 21-ACETATE * DEOXYCORTONE ACETATE * DESCORTERONE * DESCOTONE * DESOXYCORTICOSTERONE ACETATE * DESOXYCORTONE ACETATE * DOCA * DOCA ACETATE * DOC-AC * DOC ACETATE * DORCOSTRIN * DOXO * 21-HYDROXYPREGN-4-ENE-3,20-DIONE 21-ACETATE * KRINOCORTS * OCRITEN * PERCORTEN * PERCOTOL * PREGN-4-ENE-3,20-DIONE, 21-HYDROXY-, ACETATE * 4-PREGNENE-3,20-DIONE-21-OL ACETATE * PRIMOCORT * PRIMOCORTAN * SINCORTEX * STREAQ * SYNCORT * SYNCORTA * SYNCORTYL * UNIDOCAN *
TXDS: scu-mus TDLo:480 mg/kg/60DI TFX:CAR PSEBAA 83,14,53

HG07000. 11-DEOXYCORTICOSTERONE 21-ACETATE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

HG08750. DEOXYCORTONE ACETATE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

HG15750. 1-DEOXY-1-(N-NITROSOMETHYLAMINO)-D-GLUCITOL see:LZ43750 GLUCITOL, 1-DEOXY-1-(METHYLNITROSAMINO)-, D-

HG35000. DERACIL see:YR15750 URACIL, 2-THIO-

HG45500. DERRIN see:DJ28000 (1)BENZOPYRANO(3,4-b)FURO(2,3-h)(1)BENZOPYRAN-6(6a-alpha-H)-ONE, 1,2,12,12a-alpha-= TETRAHYDRO-2-alpha-ISOPROPENYL-8,9-DIMETHOXY-

HG50750. DES see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

HG50900. DESACETHYL-N-METHYLCOLCHICINE see:GH08000 COLCHICINE, N-DEACETHYL-N-METHYL-

HG63000. DESCORTERONE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

HG64750. DESCOTONE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

HG66500. DESEPTYL see:WO84000 SULFANILAMIDE

HG80950. DESMECOLCINE see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

HG84000. DESMETHYLDOPAN see:YQ89250 URACIL, 5-(BIS(2-CHLOROETHYL)AMINO)-

HG92750. DESOXYCHOLIC ACID see:FZ21000 5-beta-CHOLAN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-

HG94500. DESOXYCORTICOSTERONE ACETATE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

HG96250. DESOXYCORTONE ACETATE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

HH14000. DESTRIOL see:KG82250 ESTRIOL

HH14200. DESTRONE see:KG85750 ESTRONE

HH28000. DETOX see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

HH92400. DEXTRAN 10
TXDS: scu-rat TDLo:2500 mg/kg TFX:CAR ARPAAQ 67,589,59
ipr-mus TDLo:8000 mg/kg TFX:CAR ARPAAQ 67,589,59
ivn-rbt TDLo:8750 mg/kg/I TFX:CAR ARPAAQ 67,589,59

HH92750. DEXTRAN IRON COMPLEX see:WO59500 IRON-DEXTRAN COMPLEX

HI10500. DGE see:KN23500 ETHER, BIS(2,3-EPOXYPROPYL)

HI14000. DHA see:UP80500 2H-PYRAN-2,4(3H)-DIONE, 3-ACETYL-6-METHYL-

HI24500. DHS see:UP80500 2H-PYRAN-2,4(3H)-DIONE, 3-ACETYL-6-METHYL-

HI35000. DIACELLITON FAST GREY G see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

HI38500. DIACEL NAVY DC see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

HI40250. 4,4'-DIACETAMIDODIPHENYL SULFONE see:AE71750 ACETANILIDE, 4',4'''-SULFONYLBIS-

HI42000. 2-DIACETAMIDOFLUORENE see:AC03500 ACETAMIDE, N-FLUOREN-2-YLDI-

HI66500. 7-DIACETOXYMETHYLBENZ(a)ANTHRACENE see:CW80500 BENZ(a)ANTHRACENE-7-METHANEDIOL DIACETATE (ester)

HI84000. 2,7-DIACETYLAMINOFLUORENE see:AB91000 ACETAMIDE, N,N'-9H-FLUORENE-2,7-DIYLBIS-

HI85750. N,N-DIACETYL BENZIDINE see:DT28000 4',4'''-DIACETANILIDE

HI94500. 4,4'-DIACETYLDIAMINODIPHENYL SULFONE see:AE71750 ACETANILIDE, 4'-4'''-SULFONYLBIS-

HJ09750. O,O'-DIACETYL 4-HYDROXYAMINOQUINOLINE 1-OXIDE see:VB48000 QUINOLINE, 1,4-DIHYDRO-1-ACETOXY-4-HYDROXYAMINO-, ACETATE (ESTER)

HJ21000. trans-N,O-DIACETYL-N-(p-STYRYLPHENYL)HYDROXYLAMINE
MW: 295.36 MOLFM: N-03-C18-H17
WLN: 1VONV1&R D1U1R -T
SYN: trans-N-ACETOXY-4-ACETYL-AMINOSTILBENE *
TXDS: orl-rat TDLo:180 mg/kg/20WI TFX:CAR ZEKBAI 74,200,70

HJ21800. DIACID see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

HJ22000. DIACOTTON BLUE BB see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

HJ33687. DIAETHYLNITROSAMIN (German) see:IA35000 DIETHYLAMINE, N-NITROSO-

HJ38750. DIALLAAT (Dutch) see:EZ82250 CARBAMIC ACID, DIISOPROPYLTHIO-, S-(2,3-DICHLOROALLYL) ESTER

HJ40250. DIALLATE see:EZ82250 CARBAMIC ACID, DIISOPROPYLTHIO-, S-(2,3-DICHLOROALLYL) ESTER

HJ84000. DIAMINEBLUE see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)-BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

HJ85700. DIAMINE BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

HJ85750. DIAMINE BLUE 3B see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

HJ85850. DIAMINE BLUE BB see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

HJ91000. 2,4-DIAMINOAZOBENZENE-4-HYDROCHLORIDE
MW: 248.74 MOLFM: N4-C12-H12 .Cl-H
WLN: ZR CZ DNUNR &GH
TXDS: orl-mus TDLo:31 gm/kg/52W TFX:CAR AITDAQ 4,189,56

HJ99000. 2,4-DIAMINOAZOBENZENE HYDROCHLORIDE see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

HJ99100. 3,3'-DIAMINOBENZIDENE see:DV87500 3,3'4,4'-BIPHENYLTETRAMINE

HK01750. 4,4'-DIAMINOBIPHENYL see:DC96250 BENZIDINE

HK03500. 4,4'-DIAMINOBIPHENYL-3,3'-DICARBOXYLIC ACID see:DV33250 3,3'-BIPHENYLDICARBOXYLIC ACID, 4,4'-DIAMINO-

HK05250. 4,4'-DIAMINO-3,3'-BIPHENYLDICARBOXYLIC ACID see:DV33250 3,3'-BIPHENYLDICARBOXYLIC ACID, 4,4'-DIAMINO-

HK17500. 4,4'-DIAMINO-3,3'-DICHLOROBIPHENYL see:DD05250 BENZIDENE, 3,3'-DICHLORO-

HK19250. 4,4'-DIAMINO-3,3'-DICELORODIPHENYLMETHANE see:PA68250 METHANE, 4,4'-DIAMINO-3,3'-DICHLORODIPHENYL-

HK24800. p,p'-DIAMINODIFENYLMETHAN (Czech) see:BY54250 ANILINE, 4,4'-METHYLENEDI-

HK35000. 4,4'-DIAMINO-3,3'-DIMETHYLBIPHENYL see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

HK36750. 4,4'-DIAMIN)-3,3'-DIMETHLDIPHENYL see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

HK38500. 2,2'-DIAMINO-1,1'-DINAPHTHYL
TXDS: scu-mus TDLo:200 mg/kg TFX:CAR AJCAA7 39,381,40

HK40250. p-DIAMINODIPHENYL see:DC96250 BENZIDINE

HK42000. 2,4'-DIAMINODIPHENYL see:DV21000 2,4'-BIPHENYLDIAMINE

HK43750. 4,4'-DIAMINODIPHENYL see:DC96250 BENZIDINE

HK44350. 4,4'-DIAMINODIPHENYLMETHAN (German) see:BY54250 ANILINE, 4,4'-METHYLENEDI-

HK45500. p,p'-DIAMINODIPHENYLMETHANE see:BY54250 ANILINE, 4,4'-METHYLENEDI-

HK47250. 4,4'-DIAMINODIPHENYLMETHANE see:BY54250 ANILINE, 4,4'-METHYLENEDI-

HK49000. p,p'-DIAMINODIPHENYL SULFIDE see:BY96250 ANILINE, 4,4'-THIODI-

HK50750. 4,4'-DIAMINODIPHENYL SULFIDE see:BY96250 ANILINE, 4,4'-THIODI-

HK56000. DIAMINODITOLYL see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

HK89250. 2,6-DIAMINO-3-PHENYLAZOPYRIDINE see:US77000 PYRIDINE, 2,6-DIAMINO-3-(PHENYLAZO)-

HK94500. DI(p-AMINOPHENYL) SULFIDE see:BY96250 ANILINE, 4,4'-THIODI-

HL10500. N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-L-(+)-GLUTAMIC ACID see:MA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

HL11300. N-(p-((2,4-DIAMINO-6-PTERIDYL)METHYL)METHYLAMINO)BENZOYL)GLUTAMIC ACID see:MA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

HL14800. 2,4-DIAMINOTOLUEN (Czech) see:XS96250 TOLUENE-2,4-DIAMINE

HL15750. 2,4-DIAMINOTOLUENE see:XS96250 TOLUENE-2,4-DIAMINE

HL33250. o-DIANISIDINE see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

HL56000. DIANIL BLUE see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

HL57750. o,p'-DIANILINE see:DV21000 2,4'-BIPHENYLDIAMINE

HL59500. DIANILINOMETHANE see:BY54250 ANILINE, 4,4'-METHYLENEDI-

HL60300. o-DIANISIDIN (Czech, German) see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

HL60800. o-DIANISIDINA (Italian) see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

HL61250. DIANISIDINE see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

HL70900. DIAPHTAMINE BLUE BB see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

HL71750. DIAPHTAMINE BLUE TM see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

HL80100. DIATHYLCARBONAT (German) see:FF98000 CARBONIC ACID, DIETHYL ESTER

HL80500. DIATO BLUE BASE B see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

HL82250. DIATO BLUE SALT B see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

HL85750. DIATOL see:FF98000 CARBONIC ACID, DIETHYL ESTER

HM12250. 7,14-DIAZADIBENZ(a,h)ANTHRACENE see:HP64750 DIBENZO(a,h)PHENAZINE

HM14000. 1,2-DIAZA-3,4:9,10-DIBENZPYRENE see:CA89250 ANTHRA(9,1,2-cde)BENZO(h)CINNOLINE

HM19250. DIAZALD see:XT59500 p-TOLUENESULFONAMIDE, N-METHYL-N-NITROSO-

HM29700. DIAZENE 1-OXIDE, METHYLOCTYL-
MW: 172.31 MOLFM: N2-O-C9-H20
SYN: METHYLAZOXYOCTANE * METHYLOCTYLDIAZENE 1-OXIDE *
TXDS: ipr-mus TDLo:2450 mg/kg/14WI TFX:CAR JNCIAM 53,1181,74

HM31500. DIAZENIUM, N-ETHOXY-N'-MORPHOLINO-, FLUOROBORATE
MW: 232.02 MOLFM: N2-O2-C6-H13 .B-F4
SYN: N-ETHOXY-MORPHOLINODIAZENIUM FLUOROBORATE *
TXDS: scu-rat LD50:639 mg/kg ZEKBAI 80,17,73
scu-rat TDLo:559 mg/kg TFX:CAR ZEKBAI 80,17,73

HM42000. DIAZIL see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

HM43000. DIAZINE BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

HM43750. DIAZINE BLUE 3B see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

HM49000. DIAZIRINE see:PA70000 METHANE, DIAZO-

HM50750. DIAZOACETIC ACID ESTER see:AG57750 ACETIC ACID, DIAZO-, ETHYL ESTER

HM52500. DIAZOACETIC ACID, ETHYL ESTER see:AG57750 ACETIC ACID, DIAZO-, ETHYL ESTER

HM53000. N-DIAZOACETILGLICINA-AMIDE (Italian) see:AB49000 ACETAMIDE, N-(CARBAMOYLMETHYL)-2-DIAZO-

HM53500. N-DIAZOACETILGLICINA-IDRAZIDE (Italian) see:HB94500 GLYCINE, N-(DIAZOACETYL)-, HYDRAZINE

HM54250. N-DIAZOACETYLGLYCINE AMIDE see:AB49000 ACETAMIDE, N-(CARBAMOYLMETHYL)-2-DIAZO-

HM57750. N-(DIAZOACETYL)GLYCINE HYDRAZINE see:HB94500 GLYCINE, N-(DIAZOACETYL)-, HYDRAZINE

HM58500. DIAZOAMINOBENZEN (Czech) see:XY26250 TRIAZENE, 1,3-DIPHENYL-

HM59500. DIAZOAMINOBENZENE see:XY26250 TRIAZENE, 1,3-DIPHENYL-

HM60000. DIAZOCARD CHRYSOIDINE G see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

HM74000. DIAZOL BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

HM78750. DIAZOL BLUE 3B see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

HN80500. DIAZOMETHANE see:PA70000 METHANE, DIAZO-

HN98000. DIBENZ(a,j)ACEANTERYLENE
CAS: 000203203 MW: 302.38 MOLFM: C24-H14
SYN: 15,16-BENZDEHYDROCHOLANTHRENE *
TXDS: ivn-mus LDLo:10 mg/kg JNCIAM 1,225,40
ivn-mus TDLo:10 mg/kg TFX:CAR JNCIAM 1,225,40

HN01750. 13H-DIBENZ(bc,j)ACEANTHRYLENE
CAS: 000201423 MW: 290.37 MOLFM: C23-H14
WLN: L F6 E6 B6566 2AB W PHJ
SYN: 13H-ACENAPHTHO(1,8-ab)PHENANTHRENE * 1',9-METHYLENE-1,2:5,6-DIBENZANTHRACENE *
TXDS: scu-mus TDLo:400 mg/kg TFX:NEO AJCAA7 28,334,36

HN03500. 4H-DIBENZ(fg,j)ACEANTHRYLENE, 5,5a,6,7-TETRAHYDRO-
CAS: 000517851 MW: 294.41 MOLFM: C23-H18
SYN: ANG-STERANTHRENE * ANG.-STERANTHREN (German) *
TXDS: scu-mus TDLo:40 mg/kg TFX:CAR ZEKBAI 62,217,57

HN05250. 1,2,7,8-DIBENZACRIDINE see:HN10500 DIBENZ(a,j)ACRIDINE

HN07000. 3,4,5,6-DIBENZACRIDINE see:HN10500 DIBENZ(a,j)ACRIDINE

HN08750. DIBENZ(a,h)ACRIDINE
CAS: 000226368 MW: 279.35 MOLFM: N-C21-H13
WLN: T G6 D6 B666 CNJ
SYN: 1,2,5,6-DIBENZACRIDINE * 1,2,5,6-DINAPHTHACRIDINE *
TXDS: orl-mus TDLo:18 gm/kg/89W TFX:CAR PRLBA4 129,439,40
skn-mus TDLo:700 mg/kg/29WI TFX:NEO PRLBA4 117,318,35
scu-mus TDLo:430 mg/kg/24WI TFX:NEO PRLBA4 123,343,37
ivn-mus TDLo:10 mg/kg TFX:CAR JNCIAM 1,225,40

HN10500. DIBENZ(a,j)ACRIDINE
CAS: 000224420 MW: 279.35 MOLFM: N-C21-H13
WLN: T E6 D6 B666 NNJ
SYN: 7-AZADIBENZ(a,j)ANTHRACENE * 1,2,7,8-DIBENZACRIDINE * 1,2:7,8-DIBENZACRIDINE * 3,4,5,6-DIBENZACRIDINE * 3,4,6,7-DINAPHTHACRIDINE * 7,1 7,14-DIMETHYLDIBENZ(a,h)ANTHRACENE *
TXDS: skn-mus TDLo:11 mg/kg/35W TFX:NEO BUCABS 42,186,55
scu-mus TDLo:40 mg/kg TFX:CAR JNCIAM 1,225,40

HN12250. DIBENZ(c,h)ACRIDINE
CAS: 000224533 MW: 279.35 MOLFM: N-C21-H13
WLN: T E6 D6 B666 CNJ
SYN: 14-AZADIBENZ(a,j)ANTHRACENE * 3,4:5,6-DIBENZACRIDINE *
TXDS: scu-mus TDLo:4300 mg/kg/65WI TFX:NEO PRLBA4 129,439,40

HN14000. 1,2,5,6-DIBENZACRIDINE see:HN08750 DIBENZ(a,h)ACRIDINE

HN15750. 1,2:7,8-DIBENZACRIDINE see:HN10500 DIBENZ(a,j)ACRIDINE

HN17500. 3,4:5,6-DIBENZACRIDINE see:HN12250 DIBENZ(c,h)ACRIDINE

HN18500. DIBENZ(a,j)ACRIDINE, 14-(p-(DIMETHYLAMINO)STYRYL)-
MW: 424.57 MOLFM: N2-C31-H24
SYN: p-DIMETHYLAMINOBENZYLIDENE-3,4,5,6-DIBENZ-9-METHYLACRIDINE *
TXDS: scu-mus TDLo:200 mg/kg TFX:NEO VOONAW 1,52,55

HN19250. DIBENZ(a,j)ACRIDINE METHOSULFATE
MW: 437.55 MOLFM: N-C21-H13.O4-S2-C2-H6
SYN: 3,4:5,6-DIBENZACRIDINE METHOSULFATE *
TXDS: scu-mus TDLo:3750 mg/kg/56WI TFX:NEO PRLBA4 129,439,40

HN21500. DIBENZ(a,h)ANTHRACEN-7-AMINE
MW: 267.34 MOLFM: N-C20-H13
WLN: L G6 D6 B666J CZ
SYN: 9-AMINO-1:2:5:6-DIBENZANTHRACENE *
TXDS: skn-mus TDLo:624 mg/kg/52WI TFX:NEO PRLBA4 111,485,32

HN22000. DIBENZ(a,c)ANTHRACENE see:DM19250 BENZO(b)TRIPHENYLENE

HN22750. 1,2,5,6-DIBENZANTHRACENE see:HN26250 DIBENZ(a,h)ANTHRACENE

HN24500. 1,2,7,8-DIBENZANTHRACENE see:HN26250 DIBENZ(a,h)ANTHRACENE

HN26250. DIBENZ(a,h)ANTHRACENE
CAS: 000053703 MW: 278.36 MOLFM: C22-H14
WLN: L G6 D6 B666J
SYN: DB(a,h)A * 1,2,5,6-DIBENZANTHRACENE * 1,2:5,6-DIBENZANTHRACENE * 1, 2,7,8-DIBENZANTHRACENE * DIBENZO(a,h)ANTHRACENE *
TXDS: scu-rat TDLo:500 ug/kg TFX:CAR BUCABS 30,66,42

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              orl-mus TDLo:360 mg/kg/22WC TFX:CAR                    VRRAAT 20,276,38
              skn-mus TDLo:6 ug/kg TFX:NEO                           CNREA8 20,1179,60
              scu-mus TDLo:76 ug/kg TFX:CAR                          JNCIAM 3,503,43
              ivn-mus LDLo:10 mg/kg                                  JNCIAM 1,225,40
              ivn-mus TDLo:10 mg/kg TFX:CAR                          JNCIAM 1,225,40
              imp-mus TDLo:80 mg/kg TFX:NEO                          BJCAAI 11,212,57
              scu-gpg TDLo:16 mg/kg/82W TFX:CAR                      AVBNAM 51,112,38
              ims-pgn TDLo:11 mg/kg TFX:CAR                          JNCIAM 32,905,64
              irn-frg TDLo:8 mg/kg TFX:CAR                           CNREA8 24,1969,64

HN28000. DIBENZ(a,j)ANTHRACENE
         CAS: 000224419     MW: 278.36        MOLFM: C22-H14
         WLN: L B6 D6 B666J
         SYN: 1,2:7,8-DIBENZANTHRACENE   *
         TXDS: skn-mus TDLo:250 mg/kg/81WI TFX:CAR                    JNCIAM 44,641,70
               ipr-mus TDLo:42 mg/kg TFX:NEO                          BJCAAI 20,127,66

HN29750. 1,2:5,6-DIBENZANTHRACENE    see:HN26250 DIBENZ(a,h)ANTHRACENE

HN31500. 1,2:7,8-DIBENZANTHRACENE    see:HN28000 DIBENZ(a,j)ANTHRACENE

HN32500. DIBENZ(a,h)ANTHRACENE, 14-AMINO-
                           MW: 293.38        MOLFM: N-C22-H15
         SYN: 9-AMINO-1,2,5,6-DIBENZANTHRACENE   *
         TXDS: skn-mus TDLo:720 mg/kg/30WI TFX:CAR                    PRLBA4 117,318,35

HN33250. 1,2,5,6-DIBENZANTHRACENE-9-CARBAMIDO-ACETIC ACID
         TXDS: scu-mus TDLo:10 mg/kg/I TFX:NEO                        AJCAA7  35,203,39

HN34000. DIBENZ(a,h)ANTHRACENE, 7,14-DIBENZYL-
                           MW: 458.62        MOLFM: C36-H26
         WLN: L G6 D6 B666J C1R& N1R
         SYN: 7,14-DIBENZYLDIBENZ(a,h)ANTHRACENE   *  9,10-DIBENZYL-1,2,5,6-DIBENZANTHRACENE
              *
         TXDS: skn-mus TDLo:620 mg/kg/52WI TFX:CAR                    PRLBA4 111,485,32

HN35000. 1,2,5,6-DIBENZANTHRACENE-CHOLEIC ACID    see:FZ22200 5-beta-CHOLAN-24-OIC ACID, 3-alpha-12-
        alpha-DIHYDROXY-, compound with DIBENZ(a,h)ANTHRACENE

HN36000. DIBENZ(a,h)ANTHRACENE mixed with 5-alpha-CHOLESTA-,1,3,6-TRIENE (1:159 moles)
         SYN: 5-alpha-CHOLESTA-1,3,6-TRIENE mixed with DIBENZ(a,h)ANTHRACENE (159:1 moles)   *
         TXDS: scu-mus TDLo:804 mg/kg TFX:NEO                         SAMJAF 44,1274,70

HN36300. DIBENZ(a,h)ANTHRACENE mixed with 5-alpha-CHOLEST-6-ENE (1:154 moles)
         SYN: 5-alpha-CHOLEST-6-ENE mixed with DIBENZ(a,h)ANTHRACENE (154:1 moles)   *
         TXDS: scu-mus TDLo:804 mg/kg TFX:NEO                         SAMJAF 44,1274,70

HN36400. DIBENZ(a,h)ANTHRACENE, 7,14-DIBUTYL-
                           MW: 390.60        MOLFM: C30-H30
         WLN: L G6 D6 B666J C4 N4
         SYN: 9,10-DI-n-BUTYL-1,2,5,6-DIBENZANTHRACENE   *
         TXDS: skn-mus TDLo:720 mg/kg/30WI TFX:NEO                    PRLBA4 117,318,35

HN36500. DIBENZ(a,h)ANTHRACENE-15,16-DICARBOXYLIC ACID, 7,14-DIHYDRO-7,14-ETHANO-
                           MW: 438.40        MOLFM: O4-C26-H16 .2Na
         SYN: 1,2,5,6-DIBENZANTHRACENE-9,10-ENDO-alpha,beta-SUCCINIC ACID, SODIUM SALT   *
         TXDS: scu-mus TDLo:1144 mg/kg/WI TFX:CAR                     JPBAA7 54,321,42

HN36750. DIBENZ(a,h)ANTHRACENE, 7,14-DIHYDRO-
                           MW: 280.38        MOLFM: C22-H16
         WLN: L G6 D6 B6666&T&&J
         SYN: 9,10-DIHYDRO-1,2,5,6-DIBENZANTHRACENE   *
         TXDS: skn-mus TDLo:720 mg/kg/30WI TFX:NEO                    PRLBA4 117,318,35

HN37300. DIBENZ(a,h)ANTHRACENE, 5,6-DIHYDRO-
                           MW: 280.38        MOLFM: C22-H16
         WLN: L G6 D6 B6666&&T&J
         SYN: 5,6-DIHYDRODIBENZ(a,h)ANTHRACENE   *
         TXDS: skn-mus TDLo:148 mg/kg/50WI TFX:CAR                    JNCIAM 34,1,65

HN38500. DIBENZ(a,j)ANTHRACENE, 5,6-DIHYDRO-
         CAS: 016361016     MW: 280.38        MOLFM: C22-H16
         WLN: L B6 D6 B6666&&T&J
         SYN: 5,6-DIHYDRODIBENZ(a,j)ANTHRACENE   *
         TXDS: skn-mus TDLo:268 mg/kg/85WI TFX:CAR                    JNCIAM 44,641,70

HN40250. DIBENZ(a,h)ANTHRACENE, 5,6-DIMETHOXY-
                           MW: 338.42        MOLFM: O2-C24-H18
         WLN: L G6 D6 B666J EO1 EO1
         SYN: 3,4-DIMETHOXY-1,2:5,6-DIBENZANTHRACENE   *  5,6-DIMETHOXYDIBENZ(a,h)ANTHRACENE
              *
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TXDS: skn-mus TDLo:10 mg/kg/3DI TFX:CAR CNREA8 22,78,62
scu-mus TDLo:80 mg/kg/4WI TFX:NEO CNREA8 22,78,62

HN42000. DIBENZ(a,h)ANTHRACENE, 7,14-DIMETHYL-
MW: 306.42 MOLFM: C24-H18
WLN: L G6 D6 B666J C N
SYN: 7,14-DIMETHYLDIBENZ(a,h)ANTHRACENE * 9,10-DIMETHYL-1,2,5,6-DIBENZANTHRACENE *
TXDS: skn-mus TDLo:10 mg/kg/3DI TFX:CAR CNREA8 22,78,62
scu-mus TDLo:20 mg/kg TFX:CAR CNREA8 22,78,62

HN43000. DIBENZ(a,h)ANTHRACENE-7,14-DIOL, 7,14-DIHYDRO-7,14-DIPROPYL-
MW: 396.56 MOLFM: O2-C28-H28
WLN: L G6 D6 B666&&T&&J CQ C3 NQ N3
SYN: 9,10-DIHYDRO-9,10-DIHYDROXY-9,10-DI-n-PROPYL-1,2:5,6-DIBENZANTHRACENE * 7,14-DIHYDRO-7,14-DIPROPYLDIBENZ(a,h)ANTHRACENE-7,14-DIOL * 9,10-DIHYDROXY-9,10-DI-n-PROPYL-9,10-DIHYDRO-1,2:5,6-DIBENZANTHRACENE *
TXDS: scu-rat TDLo:8 mg/kg TFX:CAR UHBUAU 2,63,36

HN44000. 1,2,5,6-DIBENZANTHRACENE-9,10-ENDO-alpha,beta-SUCCINIC ACID, SODIUM SALT see:HN36500
DIBENZ(a,h)ANTHRACENE-15,16-DICARBOXYLIC ACID, 7,14-DIHYDRO-7,14-ETHANO-

HN45500. 1,2,5,6-DIBENZANTHRACENE-ENDO-alpha,beta-SUCCINOYLGLYCINE ETHYL ESTER
TXDS: scu-mus TDLo:200 mg/kg TFX:CAR CNREA8 1,685,41

HN47250. DIBENZ(a,h)ANTHRACENE, 5,6-EPOXY-5,6-DIHYDRO-
CAS: 001421858 MW: 294.36 MOLFM: O-C22-H14
WLN: T E3 H6 D6 B666 FOT&T&&&J
SYN: 5,6-EPOXY-5,6-DIHYDRODIBENZ(a,h)ANTHRACENE *
TXDS: scu-mus TDLo:400 mg/kg/10WI TFX:CAR IJCNAW 2,500,67

HN49000. DIBENZ(a,h)ANTHRACENE, 6-FLUORO-
MW: 296.35 MOLFM: F-C22-H13
WLN: L G6 D6 B666J EF
SYN: 4-FLUORO-1,2:5,6-DIBENZANTHRACENE * 6-FLUORODIBENZ(a,h)ANTERACENE *
TXDS: scu-mus TDLo:200 mg/kg TFX:NEO BECCAN 40,30,62

HN51000. DIBENZ(a,h)ANTHRACENE, 1,2,3,4,12,13-HEXAHYDRO-
MW: 284.42 MOLFM: C22-H20
SYN: 1,2,3,4,12,13-HEXAHYDRODIBENZ(a,h)ANTHRACENE *
TXDS: skn-mus TDLo:152 mg/kg/50WI TFX:CAR JNCIAM 34,1,65

HN52500. DIBENZ(a,h)ANTHRACENE, 5-METHOXY-
MW: 308.39 MOLFM: O-C23-H16
WLN: L G6 D6 B666J PO1
SYN: 3-METHOXY-1,2:5,6-DIBENZANTHRACENE * 5-METHOXYDIBENZ(a,h)ANTHRACENE *
TXDS: scu-mus TDLo:80 mg/kg TFX:NEO CNREA8 22,78,62

HN54250. DIBENZ(a,h)ANTHRACENE, 7-METHOXY-
MW: 308.39 MOLFM: O-C23-H16
WLN: L G6 D6 B666J CO1
SYN: ●-METHOXYDIBENZ(a,h)ANTHRACENE * 9-METHOXY-1,2,5,6-DIBENZANTHRACENE *
TXDS: skn-mus TDLo:120 mg/kg/30WI TFX:CAR CNREA8 22,78,62
scu-mus TDLo:80 mg/kg TFX:CAR CNREA8 22,78,62

HN54500. DIBENZ(a,h)ANTHRACENE, 2-METHYL
MW: 292.39 MOLFM: C23-H16
WLN: L G6 D6 B666J E
SYN: 2-METHYLDIBENZ(a,h)ANTHRACENE * 2'-METHYL-1:2:5:6-DIBENZANTHRACENE *
TXDS: skn-mus TDLo:620 mg/kg/52WI TFX:CAR PRLBA4 111,485,32

HN54750. DIBENZ(a,h,)ANTHRACENE, 3-METHYL-
MW: 292.39 MOLFM: C23-H16
WLN: L G6 D6 B666J I
SYN: 3-METHYLDIBENZ(a,h)ANTHRACENE * 3'-METHYL-1:2:5:6-DIBENZANTHRACENE *
TXDS: skn-mus TDLo:620 mg/kg/52WI TFX:NEO PRLBA4 111,485,32

HN55000. DIBENZ(a,h)ANTHRACENE, 6-METHYL-
MW: 292.39 MOLFM: C23-H16
WLN: L G6 D6 B666J E
SYN: 4-METHYL-1,2,5,6-DIBENZANTHRACENE *
TXDS: skn-mus TDLo:720 mg/kg/30WI TFX:CAR PRLBA4 117,318,35

HN56000. DIBENZ(a,c)ANTHRACENE, 10-METHYL- see:DM21000 BENZO(b)TRIPHENYLENE, 10-METHYL-

HN56750. DIBENZ(a,h):ANTHRACENE, OCTAHYDRO-
MW: 286.44 MOLFM: C22-H22
SYN: OCTAHYDRO-1:2:5:6-DIBENZANTHRACENE *
TXDS: skn-mus TDLo:620 mg/kg/52WI TFX:NEO PRLBA4 111,485,32

HN57000. DIBENZ(a,h)ANTHRACENE, 1,2,3,4-TETRAHYDRO-
MW: 282.40 MOLFM: C22-H18
WLN: L G6 D6 B666&&&TJ
SYN: 1,2,3,4-TETRAHYDRODIBENZ(a,h)ANTHRACENE *
TXDS: skn-mus TDLo:128 mg/kg/50WI TFX:CAR JNCIAM 34,1,65

HN57750. DIBENZ(a,j)ANTHRACENE, 1,2,3,4-TETRAHYDRO-
CAS: 016310682 MW: 282.40 MOLFM: C22-H18
WLN: L E6 D6 B666&&&&TJ
SYN: 1,2,3,4-TETRAHYDRODIBENZ(a,j)ANTHRACENE *
TXDS: skn-mus TDLo:208 mg/kg/70WI TFX:CAR JNCIAM 44,641,70
scu-mus TDLo:16 mg/kg TFX:CAR JNCIAM 44,641,70

EN59500. 1,2,5,6-DIBENZANTHRANYL-9-ISOCYANATE
TXDS: scu-mus TDLo:80 mg/kg TFX:CAR AJCAA7 35,203,39

HO33250. 1,2:5,6-DIBENZCARBAZOLE see:HO52500 7H-DIBENZ(a,g)CARBAZOLE

HO35000. 1,2:7,8-DIBENZCARBAZOLE see:HO54250 7H-DIBENZ(a,i)CARBAZOLE

HO36750. 3,4:5,6-DIBENZCARBAZOLE see:HO56000 7H-DIBENZ(c,g)CARBAZOLE

HO42000. 1,2:3,4-DIBENZFLUORENE see:NK91000 13H-INDENO(1,2-l)PHENANTHRENE

HO43750. 1,2:7,8-DIBENZFLUORENE see:HP40250 13H-DIBENZO(a,i)FLUORENE

HO47250. DIBENZ(c,f)INDENO(1,2,3-ij)(2,7)NAPHTHYRIDINE
CAS: 000193408 MW: 304.36 MOLFM: N2-C22-H12
TXDS: skn-mus TDLo:1200 mg/kg/52WI TFX:NEO BJCAAI 17,266,63

HO49000. DIBENZO(a,h)ANTHRACENE see:HN26250 DIBENZ(a,h)ANTHRACENE

HO50750. DIBENZO(c,f)(1)BENZOPYRANO(2,3,4-ij)(2,7)NAPHTHYRIDINE
CAS: 000191446 MW: 320.36 MOLFM: N2-O-C22-H12
WLN: T C66 K66 T66 1A B6 IN QO SNJ
TXDS: skn-mus TDLo:1300 mg/kg/52WI TFX:NEO BJCAAI 17,266,63

HO52500. 7H-DIBENZO(a,g)CARBAZOLE
CAS: 000207841 MW: 267.34 MOLFM: N-C20-H13
WLN: T F6 C6 B566 MMJ
SYN: 1,2,5,6-DIBENZCARBAZOLE *
TXDS: skn-mus TDLo:270 mg/kg/23WI TFX:CAR PRLBA4 122,429,37

HO54250. 7H-DIBENZO(a,i)CARBAZOLE
CAS: 000239645 MW: 267.34 MOLFM: N-C20-H13
WLN: T E6 D6 B566 CMJ
SYN: 1,2,7,8-DIBENZCARBAZOLE *
TXDS: skn-mus TDLo:510 mg/kg/43WI TFX:NEO PRLBA4 122,429,37

HO56000. 7H-DIBENZO(c,g)CARBAZOLE
CAS: 000194592 MW: 267.34 MOLFM: N-C20-H13
WLN: T D6 C6 B566 MMJ
SYN: 3,4,5,6-DIBENZCARBAZOLE * 3,4,5,6-DINAPHTHACARBAZOLE *
TXDS: scu-rat TDLo:150 mg/kg/17WI TFX:CAR PRLBA4 122,429,37
orl-mus TDLo:400 mg/kg/23WI TFX:CAR BJCAAI 4,203,50
skn-mus TDLo:32 mg/kg/8WI TFX:CAR PRLBA4 122,429,37
ipr-mus LDLo:20 mg/kg BIJOAK 32,1460,38
ipr-mus TDLo:13 mg/kg TFX:CAR BIJOAK 32,1460,38
scu-mus TDLo:8 mg/kg TFX:CAR JNCIAM 2,139,41
ivn-mus TDLo:10 mg/kg TFX:CAR JNCIAM 1,225,40
imp-mus TDLo:40 mg/kg TFX:CAR BJCAAI 6,412,52
imp-dog TDLo:65 mg/kg/52WI TFX:NEO JPBAA7 68,561,54

HO56500. 7H-DIBENZO(c,g)CARBAZOLE mixed with HEMATITE (1:1)
TXDS: itr-ham TDLo:249 mg/kg/30W TFX:CAR JNCIAM 48,1641,72

HO57000. 7H-DIBENZO(a,g)CARBAZOLE, 12,13-DIHYDRO-
MW: 269.36 MOLFM: N-C20-H15
WLN: T F6 C6 B566 MM&&&J
SYN: 3,4-DIHYDRO-1,2,5,6-DIBENZCARBAZOLE *
TXDS: scu-mus LDLo:40 mg/kg BAFEAG 42,3,55
scu-mus TDLo:120 mg/kg/9WI TFX:NEO BAFEAG 42,3,55

HO57600. 7H-DIBENZO(c,g)CARBAZOLE, N-METHYL-
MW: 281.37 MOLFM: N-C21-H15
SYN: N-METHYL-3:4:5:6-DIBENZCARBAZOLE * N-METHYL-7H-DIBENZO(c,g)CARBAZOLE *
TXDS: scu-mus TDLo:24 mg/kg/4WI TFX:CAR BJEPA5 27,179,46

HO57750. DIBENZO(b,def)CHRYSENE
CAS: 000189640 MW: 302.38 MOLFM: C24-H14
WLN: L D6 B66 O666 2AB A&J

SYN: DB(a,h)P * DIBENZO(a,h)PYRENE * 1,2,6,7-DIBENZOPYRENE * 3,4,8,9-DIBENZOPYRENE * 3,4,8,9-DIBENZPYRENE *
TXDS: ims-rat TDLo:2500 mg/kg TPX:CAR TPSO** -,31,40
skn-mus TDLo:165 mg/kg/24W TPX:CAR AVBNAM 56,39,39
scu-mus TDLo:20 mg/kg/4WI TPX:CAR MIMEAO -,27,40

H061250. DIBENZO(def,p)CHRYSENE
CAS: 000191300 MW: 302.38 MOLFM: C24-H14
WLN: L D66 K666 B6 2AB A&J
SYN: BA 51-090462 * DB(a,l)P * DIBENZO(a,d)PYRENE * DIBENZO(a,l)PYRENE * 1,2:3,4-DIBENZOPYRENE * 1,2,9,10-DIBENZOPYRENE * 1,2,3,4-DIBENZPYRENE *
TXDS: skn-mus TDLo:450 mg/kg/37WI TPX:NEO PRLBA4 123,343,37
scu-mus TDLo:48 mg/kg/4W TPX:CAR NATWAY 55,43,68

H063000. DIBENZO(b,def)CHRYSENE-7-CARBOXALDEHYDE
MW: 330.39 MOLFM: O-C25-H14
WLN: L D6 B66 O666 2AB A&J JVH
SYN: 5-FORMYL-3,4:8,9-DIBENZOPYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TPX:NEO COREAF 252,1711,61

H064750. DIBENZO(def,p)CHRYSENE-10-CARBOXALDEHYDE
MW: 330.39 MOLFM: O-C25-H14
WLN: L D66 K666 B6 2AB A&J QVH
SYN: 5-FORMYL-1,2:3,4-DIBENZOPYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TPX:NEO COREAF 259,3899,64

H066500. DIBENZO(def,mno)CHRYSENE-12-CARBOXALDEHYDE
MW: 330.39 MOLFM: O-C25-H14
WLN: L B6666 C6 D6 4ABCD VJ FVH
SYN: 6-FORMYLANTHANTHRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TPX:NEO COREAF 252,1711,61

H068250. DIBENZO(b,def)CHRYSENE-7-CARBOXALDEHYDE 14-METHYL-
MW: 344.42 MOLFM: O-C26-H16
WLN: L D6 B66 O666 2AB A&J JVH U
SYN: 5-FORMYL-10-METHYL-3,4:8,9-DIBENZOPYRENE * 14-METHYLDIBENZO(b,def)CHRYSENE-7-CARBOXALDEHYDE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TPX:NEO COREAF 252,1711,61

H070000. DIBENZO(def,mno)CHRYSENE-12-CARBOXALDEHYDE, 6-METHYL-
MW: 344.42 MOLFM: O-C26-H16
WLN: L B6666 C6 D6 4ABCD VJ FVH O
SYN: 6-FORMYL-12-METHYLANTHANTHRENE * 6-METHYLDIBENZO(def,mno)CHRYSENE-12-CARBOXALDEHYDE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TPX:NEO COREAF 252,1711,61

H071000. DIBENZO(def,p)CHRYSENE, 8-METHYL-
MW: 316.41 MOLFM: C25-H16
WLN: L D66 K666 B6 2AB A&J T
SYN: 7-METHYL-1:2:3:4-DIBENZPYRENE *
TXDS: skn-mus TDLo:490 mg/kg/4TWI TPX:CAR PRLBA4 123,343,37

H071750. DIBENZO(def,p)CHRYSENE, 10-METHYL-
MW: 316.41 MOLFM: C25-H16
WLN: L D66 K666 B6 2AB A&J Q
SYN: 5-METHYL-1,2:3,4-DIBENZOPYRENE * 10-METHYLDIBENZO(def,p)CHRYSENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TPX:NEO COREAF 259,3899,64

?P38500. 13H-DIBENZO(a,g)FLUORENE
MW: 266.35 MOLFM: C21-H14
SYN: 1,2:5,6-DIBENZOFLUORENE * 1,2,5,6-DIBENZOFLUORENE *
TXDS: skn-mus TDLo:590 mg/kg/37WI TPX:NEO CNREA8 11,892,51

?P40250. 13H-DIBENZO(a,i)FLUORENE
CAS: 000239601 MW: 266.35 MOLFM: C21-H14
WLN: L E6 D6 B566 CHJ
SYN: 1,2,7,8-DIBENZFLUORENE *
TXDS: skn-mus TDLo:1350 mg/kg/56WI TPX:CAR PRLBA4 129,439,40

?P42000. DIBENZO(a,jk)FLUORENE see:DP63000 BENZO(j)FLUORANTHENE

?P43750. 1,2,5,6-DIBENZOFLUORENE see:HP38500 13H-DIBENZO(a,g)FLUORENE

?45500. 2-DIBENZOFURANAMINE
CAS: 003693229 MW: 183.10 MOLFM: N-O-C12-H9
WLN: T B656 ROJ DZ
SYN: 2-AMINODIPHENYLENE OXIDE *
TXDS: orl-mus TDLo:22 gm/kg/52WC TPX:CAR BECCAN 46,271,68

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HP46500. 3-DIBENZOFURANAMINE
                          MW: 183.10          MOLFM: N-O-C12-H9
         SYN: 2-AMINODIPHENYLENOXYD (German)   *
         TXDS: orl-rat TDLo:1400 mg/kg/66WC TFX:CAR                    ZEKBAI 61,45,56

HP47250. 2-DIBENZOFURANAMINE, 3-METHOXY-
                          MW: 213.25          MOLFM: N-O2-C13-H11
         SYN: 3-MPTHOXY-2-AMINODIPHENYLENE OXIDE   *
         TXDS: orl-mus TDLo:560 mg/kg/2WI TFX:NEO                      BJCAAI 19,297,65

HP49000. 3-DIBENZOFURANAMINE, 2-METHOXY-
         CAS: 005834173      MW: 213.25          MOLFM: N-O2-C13-H11
         WLN: T B656 HOJ DO1 EZ
         SYN: 2-AMINO-3-METHOXYDIPHENYLENOXYD (German)   *  2-METHOXY-3-AMINODIBENZOFURAN
              *
         TXDS: orl-rat TDLo:13 gm/kg/56WC TFX:CAR                      ZEKBAI 61,45,56

HP54250. 1,2,5,6-DIBENZONAPHTHALENE    see:GC07000 CHRYSENE

HP54500. DIBENZOPARADIAZINE    see:SG13600 PHENAZINE

HP56000. DIBENZO(h,rst)PENTAPHENE
         CAS: 000194472      MW: 352.44          MOLFM: C28-H16
         WLN: L D6 B6 L66 T666 2AB E&J
         SYN: TRIBENZO(a,e,i)PYRENE   *  (1,2,4,5,7,8)-TRIBENZOPYRENE   *  (1,2,4,5,8,
              9)-TRIBENZOPYRENE   *  1,2:4,5:8,9-TRIBENZOPYRENE   *
         TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO                      COREAP 259,3899,64

HP57750. DIBENZO(h,rst)PENTAPHENE, 7-METHYL-
                          MW: 366.47          MOLFM: C29-H18
         WLN: L D6 B6 L66 T666 2AB E&J O
         SYN: 7-METHYLDIBENZO(h,rst)PENTAPHENE   *  2'-METHYL-1,2:4,5:8,9-TRIBENZOPYRENE
              *
         TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO                      COREAP 259,3899,64

HP59500. DIBENZO(cd,lm)PERYLENE
         CAS: 000188965      MW: 326.40          MOLFM: C26-H14
         WLN: L666 N6 B6 R6 Q6 4ABRS B&J
         SYN: PEROPYRENE   *
         TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO                      COREAP 266,301,68

HP61250. 1,2,3,4-DIBENZOPHENANTHRENE    see:DE75250 BENZO(g)CHRYSENE

HP63000. DIBENZO(a,c)PHENAZINE
         CAS: 000215645      MW: 280.34          MOLFM: N2-C20-H12
         WLN: T J6 D6 C666 BN QNJ
         SYN: 1,2,3,4-DIBENZPHENAZINE   *
         TXDS: imp-rat TDLo:7 mg/kg TFX:NEO                            COREAP 240,1738,55
               scu-rat TDLo:7.5 mg/kg TFX:NEO                          COREAP 240,1738,55

HP64750. DIBENZO(a,h)PHENAZINE
         CAS: 000226471      MW: 280.34          MOLFM: N2-C20-H12
         WLN: T G5 D6 B666 CN NNJ
         SYN: 7,14-DIAZADIBENZ(a,h)ANTHRACENE   *  1,2:5,6-DIBENZPHENAZINE   *
         TXDS: imp-rat TDLo:7 mg/kg TFX:NEO                            COREAP 240,1738,55

HP87500. 6H-DIBENZO(b,d)PYRAN-6-ONE, 2-ACETAMIDO-
         CAS: 005096195      MW: 252.26          MOLFM: N-O3-C15-H10
         WLN: T B666 HOVJ DMV1
         SYN: N-6-(3,4-BENZOCOUMARINYL)ACETAMIDE   *  N-(6-OXO-6H-DIBENZO(b,d)PYRAN-1-
              YL)ACETAMIDE   *
         TXDS: orl-rat TDLo:5000 mg/kg TFX:CAR                         CNREA8 26,619,66

HP87750. DIBENZOPYRAZINE    see:SG13600 PHENAZINE

HP89250. DIBENZO(a,d)PYRENE    see:HO61250 DIBENZO(def,p)CHRYSENE

HP91000. DIBENZO(a,e)PYRENE    see:QL01750 NAPHTHO(1,2,3,4-def)CHRYSENE

HP92750. DIBENZO(a,h)PYRENE    see:HO57750 DIBENZO(b,def)CHRYSENE

HP94500. DIBENZO(a,i)PYRENE    see:DI57750 BENZO(r,s,t)PENTAPHENE

HP96250. DIBENZO(a,l)PYRENE    see:HO61250 DIBENZO(def,p)CHRYSENE

HP98000. 1,2,4,5-DIBENZOPYRENE    see:QL01750 NAPHTHO(1,2,3,4,def)CHRYSENE

FQ01750. 1,2,6,7-DIBENZOPYRENE    see:HO57750 DIBENZO(b,def)CHRYSENE

HQ03500. 1,2,7,8-DIBENZOPYRENE    see:DI57750 BENZO(rst)PENTAPHENE
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HQ05250. 1,2,9,10-DIBENZOPYRENE see:HO61250 DIBENZO(def,p)CHRYSENE

HQ07000. 3,4,8,9-DIBENZOPYRENE see:HO57750 DIBENZO(b,def)CHRYSENE

HQ08750. 3,4:9,10-DIBENZOPYRENE see:DI57750 BENZO(rst)PENTAPHENE

HQ47550. DIBENZOYLPEROXID (German) see:DM85750 BENZOYL PEROXIDE

FQ49000. DIBENZOYL PEROXIDE see:DM85750 BENZOYL PEROXIDE

HQ49250. DIBENZOYLPEROXYDE (Dutch) see:DM85750 BENZOYL PEROXIDE

HQ52500. 1,2:3,4-DIBENZPHENANTHRENE see:DE75250 BENZO(g)CHRYSENE

HQ54250. 1,2:5,6-DIBENZPHENANTHRENE see:DE73500 BENZO(c)CHRYSENE

HQ56000. 1,2:3,4-DIBENZPHENAZINE see:HP63000 DIBENZO(a,c)PHENAZINE

HQ57750. 1,2:5,6-DIBENZPHENAZINE see:HP64750 DIBENZO(a,h)PHENAZINE

HQ59100. DIBENZ(a,i)PYRENE see:DI57750 BENZO(rst)PENTAPHENE

HQ59250. 1,2,3,4-DIBENZPYRENE see:HO61250 DIBENZO(def,p)CHRYSENE

HQ59500. 3,4:8,9-DIBENZPYRENE see:HO57750 DIBENZO(b,def)CHRYSENE

HQ61250. 3,4,9,10-DIBENZPYRENE see:DI57750 BENZO(r,s,t)PENTAPHENE

HQ63000. 3,4:9,10-DIBENZPYRENE see:DI57750 BENZO(rst)PENTAPHENE

HQ79700. 7,14-DIBENZYLDIBENZ(a,h)ANTHRACENE see:HN34000 DIBENZ(a,h)ANTHRACENE, 7,14-DIBENZYL-

HQ79800. 9,10-DIBENZYL-1,2,5,6-DIBENZANTHRACENE see:HN34000 DIBENZ(a,h)ANTHRACENE, 7,14-DIBENZYL-

HR69000. DIBUTIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

HR84000. DIBUTYLAMINE, N-NITROSO- see:EJ40250 1-BUTANAMINE, N-BUTYL-N-NITROSO-

HS15600. 9,10-DI-n-BUTYL-1,2,5,6-DIBENZANTHRACENE see:HN36400 DIBENZ(a,h)ANTHRACENE, 7,14-DIBUTYL-

HS56000. DI-n-BUTYLNITROSAMINE see:EJ40250 1-BUTANAMINE, N-BUTYL-N-NITROSO-

HS59750. DI-tert-BUTYLPEROXID (German) see:ER24500 t-BUTYL PEROXIDE

HS61250. DI-t-BUTYL PEROXIDE see:ER24500 t-BUTYL PEROXIDE

ES61550. DI-tert-BUTYL PEROXYDE (Dutch) see:ER24500 t-BUTYL PEROXIDE

HT07000. 3,3'-DICARBOXYBENZIDINE see:DV33250 3,3'-BIPHENYLDICARBOXYLIC ACID, 4,4'-DIAMINO-

HT13000. DICFAN (Czech) see:HY42000 DICYCLOHEXYLAMINE, NITRITE

HT19400. p-DICHLOORBENZEEN (Dutch) see:CZ45500 BENZENE, p-DICHLORO-

HT19500. 1,4-DICHLOORBENZEEN (Dutch) see:CZ45500 BENZENE, p-DICHLORO-

HT19600. 1,1-DICHLOOR-2,2-BIS(4-CHLOOR FENYL)-ETHAAN (Dutch) see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)

HT19900. 2,2'-DICHLOORETHYLETHER (Dutch) see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

HT22000. S-(2,3-DICHLOR-ALLYL)-N,N-DIISOPROPYL-MONOTHIOCARBAMAAT (Dutch) see:EZ82250 CARBAMIC ACID, DIISOPROPYLTHIO-, S-(2,3-DICHLOROALLYL) ESTER

HT25000. 3,3'-DICHLORBENZIDIN (Czech) see:DD05250 BENZIDINE, 3,3'-DICHLORO-

HT25100. p-DICHLORBENZOL (German) see:CZ45500 BENZENE, p-DICHLORO-

HT25250. 1,4-DICHLOR-BENZOL (German) see:CZ45500 BENZENE, p-DICHLORO-

HT25350. 1,1-DICHLOR-2,2-BIS(4-CHLOR-PHENYL)-AETHAN (German) see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)

HT25900. 2,2'-DICHLOR-DIAETHYLAETHER (German) see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

HT26000. 3,3'-DICHLOR-4,4'-DIAMINODIPHENYLMETHAN (German) see:CY10500 BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-

HT26220. DICHLOREN (German) see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

HT26250. DICHLOREN see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

HT29750. 2,2'-DICHLORETHYL ETHER see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

HT30200. DICHLORICIDE AEROSOL see:WZ61250 TERPENE POLYCHLORINATES

HT30700. DICHLORICIDE MOTHPROOFER see:WZ61250 TERPENE POLYCHLORINATES

HT56800. S-(2,3-DICHLORO-ALLIL)-N,N-DIISOPROPIL-MONOTIOCARBAMMATO (Italian) see:EZ82250 CARBAMIC ACID, DIISOPROPYLTHIO-, S-(2,3-DICHLOROALLYL) ESTER

HT57300. S-2,3-DICHLOROALLYL DIISOPROPYLTEIOCARBAMATE see:EZ82250 CARBAMIC ACID, DIISOPROPYLTHIO-, S-(2,3-DICHLOROALLYL) ESTER

HT57750. 2,3-DICHLOROALLYL N,N-DIISOPROPYLTHIOLCARBAMATE see:EZ82250 CARBAMIC ACID, DIISOPROPYLTHIO-, S-(2,3-DICHLOROALLYL) ESTER

HT68250. 9,10-DICHLORO-1,2-BENZANTHRACENE
MW: 297.18 MOLFM: C12-C18-H10
WLN: L D6 B666J CG JG
TXDS: skn-mus TDLo:240 mg/kg/WI TPX:CAR COREAF 226,1852,48

HT71750. p-DICHLOROBENZENE see:CZ545500 BENZENE, p-DICHLORO-

HT75250. 1,4-DICHLOROBENZENE see:CZ545500 BENZENE, p-DICHLORO-

HT78750. o,o'-DICHLOROBENZIDINE see:DD05250 BENZIDINE, 3,3'-DICHLORO-

HT80500. 3,3'-DICHLOROBENZIDINE see:DD05250 BENZIDINE, 3,3'-DICHLORO-

HT82250. 4,4'-DICHLOROBENZILIC ACID ETHYL ESTER see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

HT92750. 3,3'-DICHLORO-4,4'-BIPHENYLDIAMINE see:DD05250 BENZIDINE, 3,3'-DICHLORO-

HT94500. 3,3'-DICHLOROBIPHENYL-4,4'-DIAMINE see:DD05250 BENZIDINE, 3,3'-DICHLORO-

HT96250. 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)ETHANE see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

HT97000. 1,1-DICHLORO-2,2-BIS(4-CHLOROPHENYL)-ETHANE (French) see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)

HT98000. 1,1-DICHLORO-2,2-BIS(PARACHLOROPHENYL)ETHANE see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

HU12450. DI-CHLOROCIDE see:CZ545500 BENZENE, p-DICHLORO-

HU15000. 1,1-DICHLORO-2,2-DI(4-CHLOROPHENYL)ETHANE see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)

HU19250. 3,3'-DICHLORO-4,4'-DIAMINOBIPHENYL see:DD05250 BENZIDINE, 3,3'-DICHLORO-

HU21000. 3,3'-DICHLORO-4,4'-DIAMINODIPHENYL ETHER see:KN96250 ETHER, BIS(4-AMINO-3-CHLOROPHENYL)

HU22750. 3,3'-DICHLORO-4,4'-DIAMINODIPHENYLMETHANE see:CY10500 BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-

HU29750. beta,beta-DICHLORODIETHYL ETHER see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

HU31500. beta,beta'-DICHLORODIETHYL-N-METHYLAMINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

HU33250. 2,2'-DICHLORODIETHYL SULFIDE see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)

HU40250. 3',4'-DICHLORO-4-DIMETHYLAMINOAZOBENZENE see:BX31500 ANILINE, p-((3,4-DICHLOROPHENYL)AZO-N,N-DIMETHYL-

HU42000. DICHLORODIPHENYL DICHLOROETHANE see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CELOROPHENYL)-

HU43750. p,p'-DICHLORODIPHENYLDICHLOROETHANE see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

HU45000. DICHLORODIPHENYLTRICHLOROETHANE see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

HU45500. p,p'-DICHLORODIPHENYLTRICHLOROETHANE see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

HU47250. 4,4'-DICHLORODIPHENYLTRICHLOROETHANE see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

HU50750. trans-2,3-DICHLORO-1,4-DIOXANE see:JG98000 p-DIOXANE, 2,3-DICHLORO-, trans-

HU73500. p-DI-(2-CHLOROETHYL)-AMINO-D-PHENYLALANINE see:AY35000 ALNINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, D-

HU75250. p-DI-(2-CHLOROETHYL)AMINO-L-PHENYLALANINE see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-

HU77000. N,N-DI-2-CHLOROETHYL-gamma-p-AMINOPHENYLBUTYRIC ACID see:ES75250 BUTYRIC ACID, 4-(p-BIS(2-CHLOROETHYL)AMINOPHENYL)-

HU78750. gamma-(p-DI(2-CHLOROETHYL)AMINOPHENYL)BUTYRIC ACID see:ES75250 BUTYRIC ACID, 4-(p-BIS(2-CHLOROETHYL)AMINOPHENYL)-

HU80500. N,N-DI(2-CHLOROETHYL)AMINO-N',O-PROPYLENE PHOSPHORIC ACID ESTER DIAMMIDE see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

HU82250. 5-(DI-(beta-CHLOROETHYL)AMINO)URACIL see:YQ89250 URACIL, 5-(BIS(2-CHLOROETHYL)AMINO)-

HV05250. DICHLOROETHYL ETHER see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

HV06000. 1,2-DICHLOROETHYLENE CARBONATE see:JH74000 1,3-DIOXOLANE, 4,5-DICHLORO-2-OXO-

HV07000. sym-DICHLOROETHYL ETHER see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

HV08750. 2,2'-DICHLOROETHYL ETHER see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

HV10500. DI(2-CHLOROETHYL) ETHER see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

HV17500. DI(2-CHLOROETHYL)METHYLAMINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

HV19250. DI(2-CHLOROETHYL)METHYLAMINE HYDROCHLORIDE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

HV22750. DI-2-CHLOROETHYL SULFIDE see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)

HV24500. beta,beta'-DICHLOROETHYL SULFIDE see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)

HV31500. 6,7-DICHLORO-4-(HYDROXYAMINO)QUINOLINE 1-OXIDE see:VB43750 QUINOLINE, 6,7-DICHLORO-4-(HYDROXYAMINO)-, 1-OXIDE

HV68250. 2,2'-DICHLORO-N-METHYLDIETHYLAMINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

HV70000. 2,2'-DICHLORO-N-METHYLDIETHYLAMINE HYDROCHLORIDE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

HV73500. 2,2'-DICHLORO-N-METHYLDIETHYLAMINE N-OXIDE HYDROCHLORIDE see:IA22750 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE, HYDROCHLORIDE

HV75250. sym-DICHLOROMETHYL ETHER see:KN15750 ETHER,BIS(CHLOROMETHYL)

HV98000. 1,2-DICHLORO-3-NITRONAPHTHALENE see:QJ36750 NAPHTHALENE, 1,2-DICHLORO-3-NITRO-

HW01750. 6,7-DICHLORO-4-NITROQUINOLINE 1-OXIDE see:VB45500 QUINOLINE, 6,7-DICHLORO-4-NITRO-, 1-OXIDE

HW21000. 2,4-DICHLOROPHENOL see:SK85750 PHENOL, 2,4-DICHLORO-

HX77000. DICHROMIC ACID, DISODIUM SALT
CAS: 010588019 MW: 261.98 MOLFM: O7-Cr2 .2Na
WLN: NA2 CR2-O5-Q2
SYN: BICHROMATE DE SODIUM (French) * NATRIUMBICHROMAAT (Dutch) * NATRIUMDICHROMAAT (Dutch) * NATRIUMDICHROMAT (German) * SODIO (DICROMATO DI) (Italian) * SODIUM BICHROMATE * SODIUM DICHROMATE(VI) * SODIUM(DICHROMATE DE) (French) *
TIDS: scu-gpg LDLo:51 mg/kg 27ZSAM 4.7b,1330,-
ipl-rat TDLo:160 mg/kg/69WI TFX:NEO AEHLAU 5,445,62
U.S. OCCUPATIONAL STANDARD USOS-air:CL100 ug/m3(AsCrO3) FEREAC 37,22139,72

HX80650. p-DICLOROBENZENE (Italian) see:CZ45500 BENZENE, p-DICHLORO-

HX80800. 1,4-DICLOROBENZENE (Italian) see:CZ45500 BENZENE, p-DICHLORO-

HX80950. 1,1-DICLORO-2,2-BIS(4-CLORO-FENIL)-ETANO (Italian) see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)

HX81400. 2,2'-DICLOROETILETERE (Italian) see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

HX89250. DICOPHANE see:KJ33250
ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

HY40250. DICYCLOHEXYLAMINE
CAS: 000101837 MW: 181.24 MOLFM: N-C12-H23
WLN: L6TJ A- 2M
SYN: DICYKLOHEXYLAMIN (Czech) * DODECAHYDRODIPHENYLAMINE *
TXDS: orl-rat LD50:373 mg/kg 28ZPAK -,68,72
orl-mus LDLo: 500 mg/kg GIFT** 7,11,63
scu-mus TDLo:2400 mg/kg/44W TFX:CAR VOONAW 3,659,57

HY42000. DICYCLOHEXYLAMINE, NITRITE
CAS: 003129917 MW: 228.26 MOLFM: N-C12-H23 .N-O2-H
WLN: L6TJ A- 2M &QNO
SYN: DECHAN * DICHAN (Czech) * DICYCLOHEXYLAMINONITRITE * DICYCLOHEXYLAMMONIUM NITRITE * DICYKLOHEXYLAMIN NITRIT (Czech) * DICYNIT (Czech) * DUSITAN DICYKLOHEXYLAMINU (Czech) *
TXDS: orl-rat LD50:284 mg/kg 28ZPAK -,68,72
orl-rat TDLo:46 gm/kg/52WI TFX:NEO VOONAW 3,659,58

HY45500. DICYCLOHEXYLAMINONITRITE see:HY42000 DICYCLOHEXYLAMINE, NITRITE

HY49000. DICYCLOHEXYLAMMONIUM NITRITE see:HY42000 DICYCLOHEXYLAMINE, NITRITE

HY52550. DI-pi-CYCLOPENTADIENYLNICKEL see:QR65000 NICKEL, compd with pi-CYCLOPENTADIENYL (1:1)

HY52790. DICYKLOHEXYLAMIN (Czech) see:HY40250 DICYCLOHEXYLAMINE

HY53080. DICYKLOHEXYLAMIN NITRIT (Czech) see:HY42000 DICYCLOHEXYLAMINE, NITRITE

HY53950. DICYNIT (Czech) see:HY42000 DICYCLOHEXYLAMINE, NITRITE

HY63000. 4,4'-DI(DIETHYLAMINO)-4',6'-DISULPHOTRIPHENYLMETHANOL ANHYDRIDE, SODIUM SALT see:IB91000
(4-(alpha-(p-(DIETHYLAMINO)PHENYL)-2,4-DISULFOBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE) DIETHYLAMMONIUM HYDROXIDE inner salt, SODIUM SALT

HY87500. DIELDRIN see:IO17500 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-6,7-EPOXY-1,4,4a,5,6,7,8,8a- OCTAHYDRO-, endo, exo-

HY87750. DIELDRINE (French) see:IO17500 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-6,7-EPOXY-1,4,4a,5,6,7,8,8a- OCTAHYDRO, endo,exo-

HY91000. 1,2:3,4-DIEPOXYBUTANE see:EJ82250 BUTANE, 1,2:3,4-DIEPOXY-

HY92750. L-1,2:3,4-DIEPOXYBUTANE see:EJ85750 BUTANE, L-1,2:3,4-DIEPOXY-

HY94500. d,l-1,2:3,4-DIEPOXYBUTANE see:EJ84000 BUTANE, (+,-)-1,2:3,4-DIEPOXY-

HY96250. meso-DIEPOXYBUTANE see:EJ87500 BUTANE, 1,2:3,4-DIEPOXY-, meso-

HY98000. 1,2:9,10-DIEPOXYDECANE see:HD78750 DECANE, 1,2:9,10-DIEPOXY-

HZ03500. 1,2:5,6-DIEPOXYHEXANE see:HO15750 HEXANE, 1,2:5,6-DIEPOXY-

HZ05250. 1,2,8,9-DIEPOXYLIMONENE see:OS91000 p-MENTHANE, 1,2:8,9-DIEPOXY-

HZ07000. 1,2:3,4-DIEPOXY-2-METHYLBUTANE see:EJ89250 BUTANE, 1,2:3,4-DIEPOXY-2-METHYL-

HZ08750. 9,10:12,13-DIEPOXYOCTADECANOIC ACID see:RG12250 OCTADECANOIC ACID, 9,10:12,13-DIEPOXY-

HZ10500. 1,2,7,8-DIEPOXYOCTANE see:RG94500 OCTANE, 1,2:7,8-DIEPOXY-

HZ12250. DI(2,3-EPOXY)PROPYL ETHER see:KN23500 ETHER, BIS(2,3-EPOXYPROPYL)

HZ15750. 9,10:12,13-DIEPOXYSTEARIC ACID see:RG12250 OCTADECANOIC ACID, 9,10:12,13-DIEPOXY-

HZ17500. 1,2:15,16-DIEPOXY-4,7,10,13-TETRAOXAHEXADECANE see:XP07000 4,7,10,13-TETRAOXAHEXADECANE, 1,2:15,16-DIEPOXY-

HZ19250. DI-ESTRYL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

HZ36750. DIETHANOLAMMONIUM MALEIC HYDRAZIDE see:UR54250
3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-, compd. with 2,2'-IMINODIETHANOL (1:1)

HZ61250. alpha,alpha-DI(p-ETHOXYPHENYL)-beta-BROMO-beta-PHENYLETHYLENE see:WL40250 STYRENE, alpha-BROMO-beta,beta-BIS(p-ETHOXYPHENYL)-

HZ82250. N,N-DIETHYLACETAMIDE (ARZNAD) see:AB70000 ACETAMIDE, N,N-DIETHYL-

HZ84700. DIETHYLACETYLETHYLENEIMINE see:CM68750 AZIRIDINE, 1-DIETHYLACETYL-

IA17500. DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-
CAS: 000051752 MW: 156.07 MOLFM: N-C12-C5-H11
WLN: G2N1&2G
SYN: BIS(beta-CHLOROETHYL)METHYLAMINE * BIS(2-CHLOROETHYL)METHYLAMINE * N,N-BIS(2-CHLOROETHYL)METHYLAMINE * CARYOLYSIN * CHLORAMINE * CHLORAMINE (THE NITROGEN MUSTARD) * CHLORMETHINE * CLORAMIN * DICHLOREN (German) * beta,beta'-DICHLORODIETHYL-N-METHYLAMINE * DI(2-CHLOROETHYL)METHYLAMINE * 2,2'-DICHLORO-N-METHYLDIETHYLAMINE * HN2 * MBA * MECHLORETHAMINE * METHYLBIS(beta-CHLOROETHYL)AMINE * N-LOST (German) * N-METHYL-BIS(beta-CHLOROETHYL)AMINE * N-METHYL-BIS(2-CHLOROETHYL)AMINE * N-METHYL-2,2'-DICHLORODIETHYLAMINE * METHYLDI(2-CHLOROETHYL)AMINE * MUSTARGEN * MUSTINE * MUTAGEN * NITROGEN MUSTARD * NSC 762 *
TXDS: ihl-hmn LCLo:10 mg/m3 TFX:PUL SCJUAD 4,33,67
ihl-rat LCLo:300 mg/m3 NDRC** -,57,43
skn-rat LD50:22 mg/kg JPETAB 91,224,47
scu-rat TDLo:0.5 mg/kg/(12-15 D of preg) TFX:TER ANREAK 102,493,48
ivn-rat LD50:1.1 mg/kg NDRC** -,91,43
ivn-rat TDLo:5720 ug/kg/1YI TFX:CAR ARZNAD 20,1461,70
ice-rat LD50:100 mg/kg JPPMAB 18,760,66
unk-rat TDLo:700 ug/kg/(12D preg) TFX:TER ANYAA9 68,762,56
ihl-mus LCLo:440 mg/m3/10M NDRC** -,12,42
skn-mus LD50:29 mg/kg JPETAB 91,224,47
ipr-mus LDLo:1 mg/kg TXAPA9 23,288,72
ihl-dog LCLo:290 mg/m3/10M NDRC** -,12,42
ihl-cat LCLo:290 mg/m3/10M NDRC** -,12,42
ihl-rbt LCLo:690 mg/m3/10M NDRC** -,12,42
skn-rbt LDLo:15 mg/kg JPETAB 91,224,47
ihl-gpg LCLo:440 mg/m3/10M NDRC** -,12,42

IA19250. DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-,BUNTE SALT
TXDS: ivn-mus LD50: 200 mg/kg JPETAB 91,224,47
ivn-mus TDLo:4 mg/kg/8D TFX:CAR JNCIAM 11,415,50

IA21000. DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE
CAS: 000055867 MW: 192.53 MOLFM: N-C12-C5-H11 .Cl-H
WLN: G2N1&2G &GH
SYN: BIS(2-CHLOROETHYL)METHYLAMINE HYDROCHLORIDE * CARYOLYSINE * DICHLOREN * DI(2-CHLOROETHYL)METHYLAMINE HYDROCHLORIDE * 2,2'-DICHLORO-2,2'-DICHLORO-N-METHYLDIETHYLAMINE HYDROCHLORIDE * EMBICHIN * EMBIKHINE * ERASOL * HN2 HYDROCHLORIDE * HN2 * HN2.HCl * MECHLORETHAMINE HYDROCHLORIDE * N-METHYL-BIS-beta-CHLOROETHYLAMINE HYDROCHLORIDE * METHYLBIS(2-CHLOROETHYL)AMINE HYDROCHLORIDE * N-METHYL-2,2'-DICHLORODIETHYLAMINE HYDROCHLORIDE * METHYLDI(beta-CHLOROETHYL)AMINE HYDROCHLORIDE * METHYLDI(2-CHLOROETHYL)AMINE HYDROCHLORIDE * MUSTARGEN HYDROCHLORIDE * MUSTINE HYDROCHLORIDE * NITROGEN MUSTARD HYDROCHLORIDE * NSC-762 HYDROCHLORIDE *
TXDS: ivn-hmn TDLo:400 ug/kg TFX:CNS CLPTAT 6,50,65
orl-rat LD50:10 mg/kg JPETAB 91,224,47
ipr-rat LD50:1500 ug/kg CUPL** 3,1,52
ipr-rat TDLo:500 ug/kg/(11 D preg) TFX:TER CPCHAO 18,307,82
scu-rat LD50:1900 ug/kg JPETAB 91,224,47
ivn-rat LDLo:481 mg/kg JPETAB 95,131,49
orl-mus LD50:20 mg/kg JPETAB 91,224,47
skn-mus TDLo:60 mg/kg/14W TFX:NEO BJCAAI 9,177,55
ipr-mus LD50:3800 ug/kg JPETAB 100,398,50
ipr-mus TDLo:6 mg/kg/4W TFX:CAR JNCIAM 36,915,66
scu-mus LD50:2600 ug/kg JPETAB 91,224,47
scu-mus TDLo:6 mg/kg/2WI TFX:CAR JNCIAM 14,131,53
ivn-mus LD50:2 mg/kg JPETAB 91,224,47
ivn-mus TDLo:4 mg/kg/6DI TFX:CAR JNCIAM 11,415,50
ivn-dog LD50:1 mg/kg JPETAB 91,224,47
ivn-cat LDLo:3850 mg/kg JPETAB 95,131,49
ivn-rbt LD50:1600 ug/kg JPETAB 91,224,47

IA21900. DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, OXIDE see:IA22000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE

IA22000. DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE
CAS: 000126852 MW: 172.07 MOLFM: N-O-C12-C5-H11
WLN: G2KO&2G
SYN: DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, OXIDE * MBAO * MECHLORETHAMINE OXIDE * METHYLBIS(beta-CHLOROETHYL)AMINE N-OXIDE * MITOMIN * MITOTEN * NITROGEN MUSTARD AMINE OXIDE * NITROGEN MUSTARD OXIDE * NMO * NITROGEN MUSTARD N-OXIDE * OXY-NH2 * N-OXYD-LOST (German) *
TXDS: ivn-rat TDLo:218 mg/kg/1YI TFX:CAR ARZNAD 20,1461,70
scu-mus TDLo:2600 mg/kg/4WI TFX:CAR BJCAAI 23,167,69
ivn-mus LD50:154 mg/kg NYKZAU 57,219,61

IA22750. DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE, HYDROCHLORIDE
CAS: 000302705 MW: 192.41 MOLFM: N-O-C12-C5-H11 .Cl-H
WLN: G2KO&2G &GH
SYN: 2,2'-DICHLORO-N-METHYLDIETHYLAMINE N-OXIDE HYDROCHLORIDE * BIS-bet

BIS-beta-CHLORAETHYLAETHYLAMINOXYD-HYDROCHLORID (German) * MECHLORETHAMINE OXIDE HYDROCHLORIDE * METHYLBIS(beta-CHLOROETHYL)AMINE N-OXIDE HYDROCHLORIDE * N-METHYLBIS(2-CHLOROETHYL)AMINE N-OXIDE HYDROCHLORIDE * N-METHYL-2,2'-DICHLORODIETHYLAMINE N-OXIDE HYDROCHLORIDE * METHYLDI(2-CHLOROETHYL) AMINE N-OXIDE HYDROCHLORIDE * MITOMEN * NITROMIN HYDROCHLORIDE *

TXDS: ipr-rat TDLo:100 mg/kg TFX:MUT BMJOAE 20,107,64
unk-rat TDLo:1300 mg/kg/93WI TFX:NEO ZEKBAI 62,112,57

IA34000. DIETHYLAMINE, 1-METHYL-N-NITROSO-
CAS: 016339041 MW: 116.19 MOLFM: N2-O-C5-H12
SYN: AETHYL-ISOPROPYL-NITROSOAMIN (German) * ETHYLISOPROPYLNITROSOAMINE *
TXDS: orl-rat LD50:1100 mg/kg NATWAY 50,100,63
orl-rat TDLo:3920 mg/kg/56WC TFX:CAR NATWAY 50,100,63

IA35000. DIETHYLAMINE, N-NITROSO-
CAS: 000055185 MW: 102.16 MOLFM: N2-O-C4-H10
WLN: ONN2&2
SYN: DANA * DEN * DENA * DIAETHYLNITROSAMIN (German) * DIETHYLNITROSOAMINE * ETHYLAMINE, N-NITROSODI- * N,N-DIETHYLNITROSAMINE * NITROSODIETHYLAMINE * N-NITROSODIETHYLAMINE *
TXDS: orl-rat LD50:280 mg/kg XENO** 3,271,73
orl-rat TDLo:45 mg/kg/83WC TFX:CAR ARZNAD 13,320,63
ipr-rat LD50:216 mg/kg BJIMAG 19,276,62
ipr-rat TDLo:100 mg/kg TFX:CAR NATUAS 245,386,73
scu-rat TDLo:220 mg/kg/(10-21D preg) TFX:CAR NATWAY 54,47,67
scu-rat TDLo:220 mg/kg/(10-21D preg) TFX:TER NATWAY 54,47,67
ivn-rat TDLo:40 mg/kg TFX:CAR JNCIAM 49,1729,72
ivn-rat TDLo:150 mg/kg/(22D Preg) TFX:TER XENO** 3,271,73
ivn-rat LD50:157 mg/kg XENO** 3,271,73
orl-mus TDLo:57 mg/kg/10DC TFX:CAR IJCNAW 5,119,70
skn-mus TDLo:320 mg/kg/4WI TFX:CAR ARGEAR 30,181,67
scu-mus TDLo:50 mg/kg TFX:CAR TXAPA9 15,552,69
unk-mus TDLo:19 gm/kg/(15-20D preg) TFX:TER ZEKBAI 67,152,65
orl-dog TDLo:560 mg/kg TFX:CAR EXPEAM 23,497,67
orl-mky TDLo:18 gm/kg/2YI TFX:CAR JNCIAM 36,323,66
ipr-mky TDLo:2 gm/kg/2YI TFX:CAR JNCIAM 36,323,66
orl-rbt TDLo:960 mg/kg/28WC TFX:CAR JNCIAM 34,453,65
orl-pig TDLo:750 mg/kg/2.2Y TFX:CAR ZEKBAI 72,102,69
orl-gpg TDLo:172 mg/kg/12WC TFX:CAR EXPEAM 25,296,69
ihl-ham TDLo:365 mg/kg/22WI TFX:NEO ZEKBAI 64,499,62
scu-ham LD50:246 mg/kg JNCIAM 49,595,72
scu-ham TDLo:17 mg/kg/(preg) TFX:TER ZEKBAI 66,536,65
scu-ham TDLo:60 mg/kg/12WI TFX:CAR CNREA8 28,2197,68
itr-ham TDLo:83 mg/kg/26WI TFX:NEO CNREA8 23,773,63
unk-ham LD50:246 mg/kg JNCIAM 49,595,72
ims-bwd TDLo:2 gm/kg TFX:CAR NATWAY 53,437,66

IB89250. 4-((4-(DIETHYLAMINO)PHENYL)AZO)PYRIDINE 1-OXIDE see:US87500 PYRIDINE, 4-((4-(DIETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

IB91000. (4-(alpha-(p-(DIETHYLAMINO)PHENYL)-2,4-DISULFOBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLI=DENE)DIETHYLAMMONIUM HYDROXIDE inner salt, SODIUM SALT
CAS: 000129179 MW: 567.72 MOLFM: N2-O6-S2-C27-H32 .Na
SYN: BLEU PATENTE V * BLUE VRS * C.I. ACID BLUE 3 * C.I. 42045 * C.I. ACID BLUE 1, SODIUM SALT * 4,4'-DI(DIETHYLAMINO)-4',6'-DISULPHOTRIPHENYLMETHANOL ANHYDRIDE, SODIUM SALT * L-BLAU 3 * PATENT BLUE V *
TXDS: scu-rat TDLo:6500 mg/kg/33WI TFX:NEO BJCAAI 27,230,73
ims-rat TDLo:960 mg/kg/25W TFX:NEO JNCIAM 37,845,66
ipr-mus LD50:3000 mg/kg FCTXAV 5,165,67
ivn-mus LD50:1200 mg/kg ALLVAR 50,77,62

IC20500. DIETHYLAMINO STILBENE see:WJ38250 4-STILBENAMINE, N,N-DIETHYL-

IC35500. 6,8-DIETHYLBENZ(a)ANTHRACENE see:CW17250 BENZ(a)ANTHRACENE, 6,8-DIETHYL-

IC35800. 8,12-DIETHYLBENZ(a)ANTHRACENE see:CW17750 BENZ(a)ANTHRACENE, 8,12-DIETHYL-

IC36750. 9,10-DIETHYL-1,2-BENZANTRACENE see:CW17500 BENZ(a)ANTHRACENE, 7,12-DIETHYL-

IC56000. DIETHYL CARBONATE see:FF98000 CARBONIC ACID, DIETHYL ESTER

ID29750. 3',4'-DIETHYL-4-DIMETHYLAMINOAZOBENZENE see:BX36750 ANILINE, p-((3,4-DIETHYLPHENYL)AZO)-N,N-DIMETHYL-

ID35000. N,N'-DIETHYL-N,N'-DINITROSOETHYLENEDIAMINE see:KV36750 ETHYLENEDIAMINE, N,N'-DIETHYL-N-N'-DINITROSO-

ID56000. 0,4-DIETHYLENE DIOXIDE see:JG82250 p-DIOXANE

ID57750. DIETHYLENE ETHER see:JG82250 p-DIOXANE

IE07000. DI(ETHYLENE OXIDE) see:JG82250 p-DIOXANE

IE24700. DIETHYL-beta,gamma-EPOXYPROPYLPHOSPHONATE see:SZ79000 PHOSPHONIC ACID, 2,3-EPOXYPROPYL-, DIETHYL ESTER

IE30000. 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS-PHENOL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

IE40300. 4,4'-(1,2-DIETHYLETHYLENE)DIPHENOL see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

IE82250. 1,2-DIETHYLHYDRAZINE see:HV22750 HYDRAZINE, 1,2-DIETHYL-

IE84000. sym-DIETHYLHYDRAZINE see:HV22750 HYDRAZINE, 1,2-DIETHYL-

IF73500. N,N-DIETHYLNITROSAMINE see:IA35000 DIETHYLAMINE, N-NITROSO-

IF82250. DIETHYLNITROSAMINE see:IA35000 DIETHYLAMINE, N-NITROSO-

IG01750. p-((3,4-DIETHYLPHENYL)AZO)-N,N-DIMETHYLANILINE see:BX36750 ANILINE, p-((3,4-DIETHYLPHENYL)AZO)-N,N-DIMETHYL-

IG26250. N,N-DIETHYL-4-(4'-(PYRIDYL-1'-OXIDE)AZO)ANILINE see:US87500 PYRIDINE, 4-((4-(DIETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

IG31250. N,N-DIETHYL-4-STILBENAMINE see:WJ38250 4-STILBENAMINE, N,N-DIETHYL-

IG31500. alpha,alpha'-DIETHYLSTILBENEDIOL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

IG33250. alpha,alpha'-DIETHYL-4,4'-STILBENEDIOL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

IG35000. trans-alpha,alpha'-DIETHYL-4,4'-STILBENEDIOL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

IG36750. alpha,alpha'-DIETHYL-4,4'-STILBENEDIOL, DIPROPIONATE see:WJ57750 4,4'-STILBENEDIOL, alpha, alpha'-DIETHYL-, DIPROPIONATE

IG38500. DIETHYLSTILBESTEROL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

IG40250. DIETHYLSTILBESTROL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

IG42000. trans-DIETHYLSTILBESTROL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

IG43000. DIETHYLSTILBESTROL DIPALMITATE see:WJ57000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-, DIPALMITATE

IG43750. DIETHYLSTILBESTROL DIPROPIONATE see:WJ57750 4,4'-STILBENEDIOL, alpha, alpha'-DIETHYL-, DIPROPIONATE

IG45500. DIETHYLSTILBESTROL, IODINE DERIVATIVE see:WJ59500 4,4'-STILBENEDIOL, TETRAIODO-alpha,alpha'-DIETHYL-

IG45700. DIETHYLSTILBOESTEROL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

IG45800. trans-DIETHYLSTILBOESTEROL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

IG47250. DIETHYL SULFATE see:WS78750 SULFURIC ACID, DIETHYL ESTER

IG50750. DIETHYLSULFONMETHYLETHYLMETHANE see:EJ52500 BUTANE, 2,2-BIS(ETHYLSULFONYL)-

IG82550. DIFENIN see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

IG82900. DIFENYLIN see:DV21000 2,4'-BIPHENYLDIAMINE

IG83200. DIFETOIN see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

IG83300. DIFFOLLISTEROL see:KG40500 ESTRADIOL, 3-BENZOATE

IG83500. DIFHYDAN see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

IG89250. 2',4'-DIFLUORO-4-DIMETHYLAMINOAZOBENZENE
MW: 261.30 MOLFM: N3-F2-C14-H13
WLN: FR CF DNUNR DN1&1
TIDS: orl-rat TDLo:3280 mg/kg/13WI TFX:CAR CNREA8 18,469,58

IG91000. 2',5'-DIFLUORO-4-DIMETHYLAMINOAZOBENZINE see:BX54250 ANILINE, N,N-DIMETHYL-p-(2,5-DIFLUOROPHENYLAZO)-

IG92750. 3',4'-DIFLUORO-4-DIMETHYLAMINOAZOBENZENE see:BX52500 ANILINE, N,N-DIMETHYL-p-(3,4-DIFLUOROPHENYLAZO)-

IG96250. 3,8-DIFLUOROTRICYCLOQUINAZOLINE
MW: 356.35 MOLFM: N4-F2-C21-H10
TXDS: skn-mus TDLo:1200 mg/kg/50WI TFX:NEO BCPCA6 14,323,65

IH03700. DIFOLLICULINE see:KG40500 ESTRADIOL, 3-BENZOATE

IH04500. DIFORIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

IH35000. DIGLYCIDYL ETHER see:KN23500 ETHER, BIS(2,3-EPOXYPROPYL)

IH35500. DIGLYCIDYL ETHER of N,N-BIS(2-HYDROXYETHOXYETHYL)ANILINE see:BW87000 ANILINE, N,N-BIS(2-(2,3-EPOXYPROPOXY)ETHOXY)-

IH35700. DIGLYCIDYL ETHER of N,N-BIS(2-HYDROXYPROPYL)-S-BUTYLAMINE see:JL94000 DIPROPYLAMINE, 2,2'-BIS(2,3-EPOXYPROPOXY)-N-t-BUTYL-

IH37500. DIGLYCIDYL ETHER of PHENYLDIETHANOLAMINE see:BW87500 ANILINE, N,N-BIS(2-(2,3-EPOXYPROPOXY)ETHYL)-

IH38500. N,N-DIGLYCIDYL-p-TOLUENESULFONAMIDE see:XT56000 p-TOLUENESULFONAMIDE, N,N-BIS(2,3-EPOXYPROPYL)-

IH40250. DIGLYCIDYLTRIETHYLENE GLYCOL see:XP07000 4,7,10,13-TETRAOXAHEXADECANE, 1,2:15,16-DIEPOXY-

IH73500. DIHYCON see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

IH75250. DI-HYDAN see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

IH76000. DIHYDANTOIN see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

IH77000. DIHYDROAFLATOXIN B1 see:AW64750 AFLATOXIN B2

IH78950. DIHYDROAZIRENE see:KX50750 ETHYLENIMINE

IH79300. 6,13-DIHYDROBENZO(e)(1)BENZOTHIOPYRANO(4,3-b)INDOLE see:DE63000 BENZO(e)(1)BENZOTHIOPYRANO(4,3-b)INDOLE, 6,13-DIHYDRO-

IH87500. meso-DIHYDROCHOLANTHRENE see:PZ28000 CHOLANTHRENE, 6,12a-DIHYDRO-

II01000. 5,6-DIHYDRODIBENZ(a,h)ANTHRACENE see:HN37300 DIBENZ(a,h)ANTHRACENE, 5,6-DIHYDRO-

II01750. 5,6-DIHYDRODIBENZ(a,j)ANTHRACENE see:HN38500 DIBENZ(a,j)ANTHRACENE, 5,6-DIHYDRO-

II03500. 9,10-DIHYDRO-1,2,5,6-DIBENZANTHRACENE see:HN36750 DIBENZ(a,b)ANTHRACENE, 7,14-DIHYDRO-

II06800. 3,4-DIHYDRO-1,2,5,6-DIBENZCARBAZOLE see:HO57000 7H-DIBENZO(a,g)CARBAZOLE, 12,13-DIHYDRO-

II14950. DIHYDRODIETHYLSTILBESTROL see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

II15200. 9,10-DIHYDRO-9,10-DIHYDROXY-9,10-DI-n-PROPYL-1,2:5,6-DIBENZANTHRACENE see:HN43000 DIBENZ(a,h)ANTHRACENE-7,14-DIOL, 7,14-DIHYDRO-7,14-DIPROPYL-

II17500. 1,4-DIHYDRO-1,4-DIKETONAPETHALENE see:QL71750 1,4-NAPHTHOQUINONE

II19500. 5,6-DIHYDRO-7,12-DIMETHYL-BENZ(a)ANTHRACENE see:CW18000 BENZ(a)ANTHRACENE, 5,6-DIHYDRO-7,12-DIMETHYL-

II25900. 7,14-DIHYDRO-7,14-DIPROPYLDIBENZ(a,h)ANTHRACENE-7,14-DIOL see:HN43000 DIBENZ(a,h)ANTHRACENE-7,14-DIOL, 7,14-DIHYDRO-7,14-DIPROPYL-

II31500. 11,12-DIHYDRO-11,12-EPOXY-3-METHYLCHOLANTHRENE see:PZ29750 CHOLANTHRENE, 11,12-DIHYDRO-11,12-EPOXY-3-METHYL-

II43750. DIHYDROESTRIN BENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

II45800. 2,3-DIHYDRO-3-ETHYL-6-METHYL-1H-CYCLOPENTA(a)ANTHRACENE see:GY54250 1H-CYCLOPENT(a)ANTHRACENE, 3-ETHYL-2,3-DIHYDRO-6-METHYL-

II50750. DIHYDROFOLLICULAR HORMONE see:KG29750 ESTRADIOL

II52500. DIHYDROFOLLICULIN see:KG29750 ESTRADIOL

II54250. DIHYDROFOLLICULIN BENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

II59500. 3a,12c-DIHYDRO-8-HYDROXY-6-METHOXY-7H-FURO(3',2':4,5)FURO(2,3-c)XANTHEN-7-ONE see:LV17500 7H-FURO(3',2':4,5)FURO(2,3-c)XANTHEN-7-ONE, 3a,12c-DIHYDRO-8-HYDROXY-6-METHOXY-

II73500. 1,2-DIHYDRO-2-KETOBENZISOSULFONAZOLE see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

II77000. DIHYDROMENFORMON see:KG29750 ESTRADIOL

II85400. 9,10-DIHYDRO-7-METHYLBENZO(a)PYRENE see:DJ49750 BENZO(a)PYRENE, 9,10-DIHYDRO-7-METHYL-

II86300. 1':2'-DIHYDRO-4'-METHYL-3:4-BENZPYRENE see:DJ49750 BENZO(a)PYRENE, 9,10-DIHYDRO-7-METHYL-

II87500. 11,12-DIHYDRO-3-METHYLCHOLANTHRENE see:PZ33250 CHOLANTHRENE, 11,12-DIHYDRO-3-METHYL-

II89250. meso-DIHYDRO-3-METHYLCHOLANTHRENE see:PZ31500 CHOLANTHRENE, 6,12a-DIHYDRO-3-METHYL-

II91000. 15,16-DIHYDRO-11-METHYL-17H-CYCLOPENTA(a)PHENANTHREN-17-ONE see:GY57750 17H-CYCLOPENTA(a)PHENANTHREN-17-ONE, 15,16-DIHYDRO-11-METHYL-

II93700. 16,17-DIHYDRO-17-METHYLENE-15H-CYCLOPENTA(a)PHENANTHRENE see:GY56500 15H-CYCLOPENTA(a)PHENANTHRENE, 16,17-DIHYDRO-17-METHYLENE-

IJ05250. (S)-(+)-5,6-DIHYDRO-6-METHYL-2H-PYRAN-2-ONE see:UQ05250 2H-PYRAN-2-ONE, 5,6-DIHYDRO-6-METHYL-

IJ21000. 2,3-DIHYDRO-3-OXOBENZISOSULFONAZOLE see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

IJ22750. 5,13-DIHYDRO-5-OXOBENZO(e)(2)BENZOPYRANO(4,3-b)INDOLE see:DE54250 BENZO(e)(2)BENZOPYRANO(4,3-b)INDOLE, 5-OXO-5,13-DIHYDRO-

IJ36750. 1,2-DIHYDROPYRIDAZINE-3,6-DIONE see:UR59500 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-

IJ38500. 1,2-DIHYDRO-3,6-PYRIDAZINEDIONE see:UR59500 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-

IJ45500. DIHYDROSAFROLE see:DA61250 BENZENE, 1,2-METHYLENEDIOXY-4-PROPYL

IJ46000. DIHYDROSTILBESTROL see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

IJ52500. DIHYDRO-5-TETRADECYL-2(3H)-FURANONE see:LU38500 2(3H)-FURANONE, DIHYDRO-5-TETRADECYL-

IJ54250. DIHYDROTHEELIN see:KG29750 ESTRADIOL

IJ73500. DIHYDROXY-ANTHRANOL see:CB12250 1,8,9-ANTHRACENETRIOL

IJ75250. 1,8-DIHYDROXY-9-ANTHRANOL see:CB12250 1,8,9-ANTHRACENETRIOL

IJ77400. 1,4-DIHYDROXY-BENZEEN (Dutch) see:HX35000 HYDROQUINONE

IJ77800. 1,4-DIHYDROXYBENZEN (Czech) see:HX35000 HYDROQUINONE

IJ84000. p-DIHYDROXYBENZENE see:HX35000 HYDROQUINONE

IJ92750. 3,3'-DIHYDROXYBENZIDINE see:DV49000 3,3'-BIPHENYLDIOL, 4,4'-DIAMINO-

IJ95300. 1,4-DIHYDROXY-BENZOL (German) see:HX35000 HYDROQUINONE

IJ98000. 2,6-DIHYDROXY-5-BIS(2-CHLOROETHYL)AMINOPYRIMIDINE see:YQ89250 URACIL, 5-(BIS(2-CHLOROETHYL)AMINO)-

IK08000. 3,12-DIHYDROXYCHOLANIC ACID see:PZ21000 5-beta-CHOLAN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-

IK08750. 3-alpha,12-alpha-DIHYDROXY-5-beta-CHOL-8(14)-EN-24-OIC ACID see:PZ50750 5-beta-CHOL-8(14)-EN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-

IK10500. 3-alpha,12-alpha-DIHYDROXYCHOLANIC ACID see:PZ21000 5-beta-CHOLAN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-

IK12250. 3-alpha,12-alpha-DIHYDROXY-5-beta-CHOLANOIC ACID see:PZ21000 5-beta-CHOLAN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-

IK13000. 3,4-DIHYDROXY-3-CYCLOBUTENE-1,2-DIONE see:GU18000 CYCLOBUTENE-1,2-DIONE, 3,4-DIHYDROXY-

IK17900. 4,4'-DIHYDROXY-alpha,beta-DIETHYLDIPHENYLETHANE see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

IK19250. 4,4'-DIHYDROXY-alpha,beta-DIETHYLSTILBENE see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

IK26250. 4,4'-DIHYDROXY-alpha,beta-DIETHYLSTILBENE DIPROPIONATE see:WJ57750 4,4'-STILBENEDIOL, alpha, alpha'-DIETHYL-, DIPROPIONATE

IK27000. 4,4'-DIHYDROXY-alpha,beta-DIETHYLSTILBENE PALMITATE see:WJ57000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-, DIPALMITATE

IK33760. 4,4'-DIHYDROXY-gamma,delta-DIPHENYLHEXANE see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

IK34750. 9,10-DIHYDROXY-9,10-DI-n-PROPYL-9,10-DIHYDRO-1,2:5,6-DIBENZANTHRACENE see:HN43000 DIBENZ(a,h)ANTHRACENE-7,14-DIOL, 7,14-DIHYDRO-7,14-DIPROPYL-

IK34860. 1,2-DIHYDROXYETHANE see:KW29750 ETHYLENE GLYCOL

IK40250. 3,17-beta-DIHYDROXY-1,3,5(10)-ESTRATRIENE see:KG29750 ESTRADIOL

IK42000. DIHYDROXYESTRIN see:KG29750 ESTRADIOL

IK57800. 3,17-beta-DIHYDROXY-17-alpha-ETHYNYL-1,3,5(10)-ESTRATRIENE see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

IK57850. 3,17-beta-DIHYDROXY-17-alpha-ETHYNYL-1,3,5(10)-OESTRATRIENE see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

IK82250. cis-1,2-DIHYDROXY-3-METHYLCHOLANTHRENE see:PZ35000 CHOLANTHRENE-1,2-DIOL, cis-3-METHYL-

IK83000. cis-1,2-DIHYDROXY-3-METHYLCHOLANTHRENE see:PZ35000 CHOLANTHRENE-1,2-DIOL, cis-3-METHYL-

IK96300. 3,17-beta-DIHYDROXY-1,3,5(10)-OESTRATRIENE see:KG29750 ESTRADIOL

IK96400. 3,17-beta-DIHYDROXYOESTRA-1,3,5-TRIENE see:KG29750 ESTRADIOL

IK96500. DIHYDROXYOESTRIN see:KG29750 ESTRADIOL

IL40250. gamma,delta-DI(p-HYDROXYPHENYL)-HEXANE see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE) DI-, meso-

IL41800. meso-3,4-DI(p-HYDROXYPHENYL)-n-HEXANE see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

IL43750. 3,4'(4,4'-DIHYDROXYPHENYL)HEX-3-ENE see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

IL78750. 4,8-DIHYDROXYQUINALDIC ACID see:UZ92750 QUINALDIC ACID, 4,8-DIHYDROXY-

IL80500. 4,8-DIHYDROXYQUINALDINIC ACID see:UZ92750 QUINALDIC ACID, 4,8-DIHYDROXY-

IL82250. 4,8-DIHYDROXYQUINOLINE-2-CARBOXYLIC ACID see:UZ92750 QUINALDIC ACID, 4,8-DIHYDROXY-

IL88350. 1,4-DIIDROBENZENE (Italian) see:HX35000 HYDROQUINONE

IN12250. DI-ISOPROPYLSULFATE see:WS80500 SULFURIC ACID, DIISOPROPYL ESTER

IN12550. DI-ISOPROPYLTHIOLOCARBAMATE DE S-(2,3-DICHLORO ALLYLE) (French) see:EZ82250 CARBAMIC ACID, DIISOPROPYLTHIO-, S-(2,3-DICHLOROALLYL) ESTER

IN14000. DIISOPROPYLTHIOCARBAMIC ACID, S-(2,3-DICHLOROALLYL) ESTER see:EZ82250 CARBAMIC ACID, DIISOPROPYLTHIO-, S-(2,3-DICHLOROALLYL) ESTER

IN30000. 2,5-DIKETOTETRAHYDROFURAN see:WN08750 SUCCINIC ANHYDRIDE

IN35800. DILABID see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

IN38500. DI-LAN see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

IN40250. DILANTIN see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

IN49000. DILAUROYL PEROXIDE see:OP26250 LAUROYL PEROXIDE

IN50750. DILAURYL PEROXIDE see:OP26250 LAUROYL PEROXIDE

IN54250. DILLANTIN see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

IN56000. DILENE see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

IN63000. DIMAZINE see:HV24500 HYDRAZINE,1,1-DIMETHYL

IN77000. DIMENFORMON DIPROPIONATE see:KG47250 ESTRADIOL, DIPROPIONATE

IN78750. DIMENFORMON see:KG29750 ESTRADIOL

IN79000. DIMENFORMON BENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

IN80500. DIMENFORMONE see:KG40500 ESTRADIOL, 3-BENZOATE

IN92750. 1,6-DIMESYL-D-MANNITOL see:OP29750 MANNITOL, 1,6-DIMETHANESULFONATE, D-

IN97500. 1,6-DIMETHANESULFONATE-D-MANNITOL see:OP29750 MANNITOL, 1,6-DIMETHANESULFONATE, D-

IO01750. 1,4-DIMETHANESULFONOXYBUTANE see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

IO03500. cis-1,4-DIMETHANE SULFONOXY-2-BUTENE
MW: 244.30 MOLFM: O6-S2-C6-H12
WLN: WS1&O2 2U -C
TXDS: skn-mus TDLo:480 mg/kg/10WI TFX:NEO CNREA8 17,64,57

IO05250. trans-1,4-DIMETHANE SULFONOXY-2-BUTENE
MW: 244.30 MOLFM: O6-S2-C6-H12
WLN: WS1&O2 2U -T
TXDS: skn-mus TDLo:480 mg/kg/10WI TFX:NEO CNREA8 17,64,57

IO07000. 1,4-DIMETHANESULFONOXY-2-BUTYNE
MW: 242.28 MOLFM: O6-S2-C6-H10
WLN: WS1&O2 2UU
TXDS: skn-mus TDLo:360 mg/kg/6WI TFX:NEO CNREA8 17,64,57

IO08750. 1,4-DIMETHANESULFONOXYLBUTANE see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

IO10500. 1,4-DIMETHANESULFONYLOXYBUTANE see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

IO12250. 1,4-DI(METHANESULFONYLOXY)BUTANE see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

IO13000. 1,6-DIMETHANESULPHONOXY-1,6-DIDEOXY-D-MANNITOL see:OP29750 MANNITOL, 1,6-DIMETHANESULFONATE, D-

IO14000. 1,4-DIMETHANESULPHONYLOXYBUTANE see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

IO17500. 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-6,7-EPOXY-1,4,4a,5,6,7,8,8a-OCTAHYDRO, endo,exo-
CAS: 000060571 MW: 380.90 MOLFM: O-C16-C12-H8
WLN: T E3 D5 C555 A D- FO KUTJ AG AG BG JG KG LG
SYN: ALVIT * ALVIT * COMPOUND 497 * DIELDRIN * DIELDRINE (French) * ENT 16,225 * HEOD * HEXACHLOROEPOXYOCTAHYDRO-endo,ex HEXACHLOROEPOXYOCTAHYDRO-endo,exo-DIMETHANONAPHTHALENE * ILLOXOL * OCTALOX * PANORAM D-31 * QUINTOX *
TXDS: unk-hmn LDLo:28 mg/kg ATXKA8 22,115,66
orl-rat LD50:46 mg/kg TXAPA9 14,515,69
orl-rat TDLo:1800 mg/kg/2YC TFX:NEO PCTXAV 2,551,64
skn-rat LD50:60 mg/kg TXAPA9 14,515,69
orl-mus LD50:114 mg/kg TXAPA9 25,42,73
orl-mus TDLo:870 mg/kg/2YC TFX:NEO TXAPA9 4,187,62
ipr-mus LDLo:26 mg/kg TXAPA9 23,288,72
ivn-mus LD50:10.5 mg/kg TXAPA9 23,408,72
orl-dog LD50:65 mg/kg GUCHAZ 6,198,73
unk-dog LDLo:65 mg/kg AIHOAX 3,64,51
orl-rbt LD50:45 mg/kg PCOC** -,377,66
skn-rbt LD50:400 mg/kg JEENAI 46,702,53
orl-gpg LD50:49 mg/kg PCOC** -,377,66
orl-pgn LD50:27 mg/kg TXAPA9 20,57,71
orl-ckn LD50:20 mg/kg JEENAI 44,1013,51
orl-gal LD50:70 mg/kg TXAPA9 20,57,71
orl-dck LD50:381 mg/kg TXAPA9 20,57,71
unk-mam LD50:25 mg/kg 30ZDA9 -,63,71
orl-bwd LD50:23 mg/kg TXAPA9 20,57,71
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 250 ug/m3(skin) FEREAC 37,22139,72

IO21000. 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-, endo,exo-
CAS: 000309002 MW: 364.82 MOLFM: C16-C12-H8
WLN: L D5 C555 A D- EU JUTJ AG AG Bg IG JG KG
SYN: ALDREX * ALDRIN * ALDRINE (French) * ENT 15,949 * COMPOUND 118 * HEXACHLOROHEXAHYDRO-endo-exo-DIMETHANONAPHTHALENE * 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-1,4,5,8-DIMETHANONAPHTHALENE * 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-exo-1,4-endo-5,8-DIMETHANONAPHTHALENE * 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-1,4-endo-exo-5,1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-1,4-endo-exo-5,8-DIMETHANONAPHTHALENE * HHDN * OCTALENE * SEEDRIN *
TXDS: orl-rat LD50:67 mg/kg GUCHAZ 6,5,73
orl-rat TDLo:365 mg/kg/2YC TFX:NEO FCTXAV 2,551,64
skn-rat LD50:98 mg/kg TXAPA9 14,515,69
orl-mus TDLo:440 mg/kg/52 WC TFX:NEO TXAPA9 4,200,62
ipr-mus LDLo:63 mg/kg CBCCT* 4,226,52
orl-dog LD50:65 mg/kg PCOC** -,7,66
unk-dog LDLo:95 mg/kg AIHOAX 3,64,51
orl-rbt LD50:50 mg/kg PCOC** -,7,66
skn-rbt LDLo:15 mg/kg JEENAI 46,702,53
orl-gpg LD50:33 mg/kg PCOC** -,7,66
orl-ckn LD50:10 mg/kg JEENAI 45,121,52
unk-mam LD50:40 mg/kg 30ZDA9 -,62,71
orl-bwd LD50:7 mg/kg TXAPA9 21,315,72

U.S. OCCUPATIONAL STANDARD USOS-air:TWA 0.25 mg/m3(skin) FEREAC 37,22139,72

IO43500. DIMETHOXANE see:AH13500 ACETIC ACID, ester with 2,6-DIMETHYL-m-DIOXAN-4-OL

IO47250. 3,4'-DIMETHOXY-4-AMINOAZOBENZENE see:BZ66500 o-ANISIDINE, 4-((p-METHOXYPHENYL)AZO)-

IO49000. 2,3-DIMETHOXYANILINE MUSTARD see:BW84000 ANILINE, N,N-BIS(2-CHLOROETHYL)-2,3-DIMETHOXY-

IO54250. 7,12-DIMETHOXYBENZ(a)ANTHRACENE see:CW22750 BENZ(a)ANTHRACENE, 7,12-DIMETHOXY-

IO60300. 3,3'-DIMETHOXYBENZIDIN (Czech) see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

IO61250. 3,3'-DIMETHOXYBENZIDINE see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

IO63000. 3,3'-DIMETHOXYBENZIDINE DIHYDROCHLORIDE see:DD10500 BENZIDINE, 3,3'-DIMETHOXY-, DIHYDROCHLORIDE

IO94500. 3,4-DIMETHOXY-1,2:5,6-DIBENZANTHRACENE see:HN40250 DIBENZ(a,h)ANTHRACENE, 5,6-DIMETHOXY-

IO96250. 5,6-DIMETHOXYDIBENZ(a,h)ANTHRACENE see:HN40250 DIBENZ(a,h)ANTHRACENE, 5,6-DIMETHOXY-

IP31500. 1-(2,5-DIMETHOXYPHENYLAZO)-2-NAPHTHOL see:QL36750 2-NAPHTHOL, 1-((2,5-DIMETHOXYPHENYL)AZO)-

IP33250. 2,5-DIMETHOXY-1-(PHENYLAZO)-2-NAPHTHOL see:QL36750 2-NAPHTHOL, 1-((2,5-DIMETHOXYPHENYL)AZO)-

IP66000. 3,3'-DIMETHOXYTRIPHENYLMETHANE-4,4'-BIS(1''-AZO-2''-NAPHTHOL) see:JE23000 DI-2-NAPHTHOL, 1,1''-(BENZYLIDENEBIS((2-METHOXY-p-PHENYLENE)(AZO))-

IP71000. 3,4-DIMETHYLACETANILIDE see:AE22000 ACETANILIDE, 3',4'-DIMETHYL-

IQ05250. DIMETHYLAMINE, N-NITROSO-

CAS: 000062759 MW: 74.10 MOLFM: N2-O-C2-H6

WLN: ONN1&1

SYN: N,N-DIMETHYLNITROSAMINE * DIMETHYLNITROSOAMINE * DMN * DMNA * N-NITROSODIMETHYLAMINE *

TXDS: orl-rat LD50:26 mg/kg	BJIMAG	11,167,54
orl-rat TDLo:248 mg/kg/31WI TFX:CAR	JNCIAM	27,695,61
ihl-rat LC50:78 ppm/4H	AMIHAB	12,617,55
ihl-rat TCLo:37 mg/kg TFX:CAR	NATWAY	50,735,63
ipr-rat LD50:36 mg/kg	BIJOAK	85,72,62
ipr-rat TDLo:30 mg/kg TFX:NEO	BJCAAI	29,50,74
scu-rat LD50:45 mg/kg	ZEKBAI	80,17,73
ivn-rat LDLO:40 mg/kg	BJIMAG	11,167,54
ims-rat TDLo:18 mg/kg TFX:NEO	INURAQ	4,39,66
par-rat TDLo:18 mg/kg TFX:NEO	INURAQ	4,39,66
rec-rat LD50:40 mg/kg	XENO**	3,271,73
rec-rat TD50:30 mg/kg/35W TFX:CAR	XENO**	3,271,73
ivn-rat TDLo:18 mg/kg TFX:NEO	INURAQ	4,39,66
orl-mus TDLo:370 mg/kg/56WC TFX:CAR	JNCIAM	41,1213,68
ihl-mus LC50:57 ppm/4H	AMIHAB	12,617,55
ipr-mus LDLo:9 mg/kg	TXAPA9	23,288,72
ipr-mus TDLo:7 mg/kg TFX:NEO	CBINA8	1,395,70
scu-mus TDLo:4375 ug/kg TFX:CAR	BJCAAI	20,871,66
unk-mus TDLo:13 mg/kg (preg) TFX:TER	VOONAW	17,75,71
unk-mus LDLo:20 mg/kg	BJIMAG	11,167,54
orl-dog LDLo:20 mg/kg	BJIMAG	11,167,54
ihl-dog LCLo:16 ppm/4H	AMIHAB	12,617,55
orl-rbt TDLo:77 mg/kg/17WC TFX:CAR	BJCAAI	23,125,69
unk-rbt LDLo:10 mg/kg	BJIMAG	11,167,54
orl-gpg TDLo:280 mg/kg/40WI TFX:CAR	PTLGAI	1,49,69
unk-gpg LDLo:25 mg/kg	BJIMAG	11,167,54
orl-ham TDLo:21 mg/kg TFX:CAR	TUMOAB	53,447,67
scu-ham LD50:28 mg/kg	BJCAAI	29,359,74
scu-ham TDLo:50 mg/kg/6WI TFX:CAR	JNCIAM	39,1099,67
D.S. OCCUPATIONAL STANDARD USOS-carcinogen	FPREAC	39,3756,74

IQ27000. p-DIMETHYLAMINOAZOBENZEN (Czech) see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

IQ28000. N,N-DIMETHYL-4-AMINOAZOBENZENE see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

IQ29750. 4-(N,N-DIMETHYLAMINO)AZOBENZENE see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

IQ31500. p-DIMETHYLAMINOAZOBENZENE see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

IQ33250. 2',3-DIMETHYL-4-AMINOAZOBENZENE see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

IQ35000. 4-DIMETHYLAMINOAZOBENZENE see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

IQ36750. 4-DIMETHYLAMINOAZOBENZENE AMINE N-OXIDE see:BX75250 ANILINE, N,N-DIMETHYL-p-PHENYLAZO-, N-OXIDE

IQ37000. p-DIMETHYLAMINO-AZOBENZOL (German) see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

IQ37100. 4-DIMETHYLAMINOAZOBENZOL see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

IQ39450. p-DIMETHYLAMINOPENZENEAZO-1-NAPHTHALENE see:BX70000 ANILINE, N,N-DIMETHYL-p-(1-NAPHTHYLAZO)-

IQ39500. p-DIMETHYLAMINOBENZENE-1-AZO-1-NAPHTHALENE see:BX70000 ANILINE, N,N-DIMETHYL-p-(1-NAPHTHYLAZO)-

IQ49000. 4,4'-DIMETHYLAMINOBENZOPHENONIMIDE see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL) BIS (N,N-DIMETHYL-

IQ51500. p-DIMETHYLAMINOBENZYLIDEN-1,2-BENZ-9-METHYL-ACRIDINE see:CU35500 BENZ(a)ACRIDINE, 12-(p-DIMETHYLAMINO)STYRYL)-

IQ53000. p-DIMETHYLAMINOBENZYLIDENE-3,4,5,6-DIBENZ-9-METHYLACRIDINE see:HN18500 DIBENZ(a,j)ACRIDINE, 14-(p-(DIMETHYLAMINO)STYRYL)-

IQ55000. 3,2'-DIMETHYL-4-AMINOBIPHENYL see:DU91000 4-BIPHENYLAMINE, 3,2'-DIMETHYL-

IQ56000. 4-DIMETHYLAMINOBIPHENYL see:DU94500 4-BIPHENYLAMINE, N,N-DIMETHYL-

IQ73500. 3,2'-DIMETHYL-4-AMINODIPHENYL see:DU91000 4-BIPHENYLAMINE, 3,2'-DIMETHYL-

IQ75250. 3,3'-DIMETHYL-4-AMINODIPHENYL see:DU92750 4-BIPHENYLSAMINE, 3,3'-DIMETHYL-

IS55700. 2-DIMETHYLAMINO-FLUOREN (German) see:LL52500 FLUOREN-2-AMINE, N,N-DIMETHYL-

IS56000. N,N-DIMETHYL-2-AMINOFLUORENE see:LL52500 FLUOREN-2-AMINE, N,N-DIMETHYL-

IS77000. 4-(N,N-DIMETHYLAMINO)-3'-METHYLAZOBENZENE see:CY03500 BENZENAMINE, N,N-DIMETHYL-4-((3-METHYLPHENYL)AZO)-

IS92550. 4-DIMETHYLAMINO-2'-METHYLSTILBENE see:WJ43000 STILBENAMINE, N,N-DIMETHYL-2'-METHYL-

IT01750. 4-DIMETHYLAMINOPHENYLAZOBENZENE see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

IT03500. 4-((p-(DIMETHYLAMINO)PHENYL)AZO)BENZIMIDAZOLE see:DD85750 BENZIMIDAZOLE, 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-

IT05250. 6-((p-(DIMETHYLAMINO)PHENYL)AZO)BENZOTHIAZOLE see:DL38500 BENZOTHIAZOLE, 6-((p-(DIMETHYLAMINO)PHENYL)AZO-

IT07000. 7-((p-(DIMETHYLAMINO)PHENYL)AZO)BENZOTHIAZOLE see:DL40250 BENZOTHIAZOLE, 7-((p-(DIMETHYLAMINO)PHENYL)AZO)-

IT07500. 6-((p-(DIMETHYLAMINO)PHENYL)AZO)-1H-INDAZOLE see:NK79300 1H-INDAZOLE, 6((p-(DIMETHYLAMINO)PHENYL)AZO)-

IT08750. 4-((p-(DIMETHYLAMINO)PHENYL)AZO)ISOQUINOLINE see:NW94500 ISOQUINOLINE, 4-((p-DIMETHYLAMINO)PHENYL)AZO)-

IT10500. 5-((p-(DIMETHYLAMINO)PHENYL)AZO)ISOQUINOLINE see:NW96250 ISOQUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-

IT12250. 7-((p-(DIMETHYLAMINO)PHENYL)AZO)ISOQUINOLINE see:NW98000 ISOQUINOLINE, 7-((p-(DIMETHYLAMINO)PHENYL)AZO)-

IT14000. 5-((p-(DIMETHYLAMINO)PHENYL)AZO)ISOQUINOLINE 2-OXIDE see:NX01750 ISOQUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-, 2-OXIDE

IT15750. 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-2,5-LUTIDINE 1-OXIDE see:OL01750 2,5-LUTIDINE, 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

IT17500. 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-3,5-LUTIDINE 1-OXIDE see:OL05250 3,5-LUTIDINE, 4-((p-DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

IT19250. 4-((4-(DIMETHYLAMINO)PHENYL)AZO)-2,6-LUTIDINE 1-OXIDE see:OL03500 2,6-LUTIDINE, 4-((4-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

IT21000. 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-3-METHYLQUINOLINE see:VB57750 QUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-3-METHYL-

IT22750. 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-6-METHYLQUINOLINE see:VB59500 QUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-6-METHYL-

IT24500. 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-7-METHYLQUINOLINE see:VB61250 QUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-7-METHYL-

IT26250. 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-8-METHYLQUINOLINE see:VB63000 QUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-8-METHYL-

IT28000. 4-((4-(DIMETHYLAMINO)PHENYL)AZO)-2-PICOLINE 1-OXIDE see:TJ56000 2-PICOLINE, 4-((4-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

IT28500. 3'-(4-DIMETHYLAMINOPHENYL)AZOPYRIDINE see:UT20000 PYRIDINE, 3-(p-(DIMETHYLAMINO)PHENYLAZO)-

IT31500. 5-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINALDINE see:UZ98000 QUINALDINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-

IT33250. 4-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOLINE see:VB52500 QUINOLINE, 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-

IT35000. 5-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOLINE see:VB54250 QUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-

IT36750. 6-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOLINE see:VB56000 QUINOLINE, 6-((p-(DIMETHYLAMINO)PHENYL)AZO)-

IT38500. 4-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOLINE 1-OXIDE see:VB64750 QUINOLINE, 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

IT40250. 5-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOLINE 1-OXIDE see:VB66500 QUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

IT42000. 6-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOLINE 1-OXIDE see:VB68250 QUINOLINE, 6-((p-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

IT42500. 5-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOXALINE see:VD19800 QUINOXALINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-

IT42600. 6-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOXALINE see:VD20000 QUINOXALINE, 6-((p-(DIMETHYLAMINO)PHENYL)AZO)-

IT45250. 1-(4'-DIMETHYLAMINOPHENYL)-2-(1'-NAPHTHYL)-ETHYLENE see:BX70250 ANILINE, N,N-DIMETHYL-p-(2-(1-NAPHTHYL)VINYL)-

IU23800. 4-DIMETHYLAMINOSTILBEN (German) see:WJ38500 4-STILBENAMINE, N,N-DIMETHYL-

IU24500. cis-4-DIMETHYLAMINOSTILBENE see:WJ40250 4-STILBENAMINE, N,N-DIMETHYL-, (E)-

IU26250. trans-4-DIMETHYLAMINOSTILBENE see:CY05250 BENZENAMINE, N,N-DIMETHYL-4-(2-PHENYLETHENYL)-, (Z)-

IU28000. 2-(p-(DIMETHYLAMINO)STYRYL)BENZOTHIAZOLE see:DL42000 BENZOTHIAZOLE, 2-(p-(DIMETHYLAMINO)STYRYL)-

IU29750. 2-(4-DIMETHYLAMINOSTYRYL)BENZOTHIAZOLE see:DL42000 BENZOTHIAZOLE, 2-(p-(DIMETHYLAMINO)STYRYL)-

IU31500. 4-(p-(DIMETHYLAMINO)STYRYL)-6,8-DIMETHYLQUINOLINE see:VB71750 QUINOLINE, 4-(p-(DIMETHYLAMINO)STYRYL)-6,8-DIMETHYL-

IU33250. 4-(p-(DIMETHYLAMINO)STYRYL)QUINOLINE see:VB70000 QUINOLINE, 4-(p-(DIMETHYLAMINO)STYRYL)-

IU35000. 4-(4-DIMETHYLAMINOSTYRYL)QUINOLINE see:VB70000 QUINOLINE, 4-(p-(DIMETHYLAMINO)STYRYL)-

IU36750. 4-(p-(DIMETHYLAMINO)STYRYL)QUINOLINE, MONOHYDROCHLORIDE see:VB73500 QUINOLINE, 4-(p-(DIMETHYLAMINO)STYRYL)-, MONOHYDROCHLORIDE

IU42000. 4-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)-2-PICOLINE 1-OXIDE see:TJ59500 2-PICOLINE, 4-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)-, 1-OXIDE

IU43750. 4-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)-3-PICOLINE 1-OXIDE see:TJ63000 3-PICOLINE, 4-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)-, 1-OXIDE

IU45500. 4-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-2-PICOLINE 1-OXIDE see:TJ61250 2-PICOLINE, 4-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-, 1-OXIDE

IU47250. 4-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-3-PICOLINE 1-OXIDE see:TJ64750 3-PICOLINE, 4-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-, 1-OXIDE

IU49000. 5-((4-(DIMETHYLAMINO(-o-TOLYL)AZO)QUINOLINE see:VB77000 QUINOLINE, 5-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-

IU50750. 5-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)QUINOLINE see:VB75250 QUINOLINE, 5-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)-

IU57750. 4-((4-(DIMETHYLAMINO)-2,3-XYLYL)AZO)PYRIDINE 1-OXIDE see:UT22750 PYRIDINE, 4-((4-(DIMETHYLAMINO)-2,3-XYLYL)AZO-, 1-OXIDE

IU59500. 4-((4-(DIMETHYLAMINO)-2,5-XYLYL)AZO)PYRIDINE 1-OXIDE see:UT24500 PYRIDINE, 4-((4-(DIMETHYLAMINO)-2,5-XYLYL)AZO)-, 1-OXIDE

IU61250. 4-((4-(DIMETHYLAMINO)-3,5-XYLYL)AZO)PYRIDINE 1-OXIDE see:UT26250 PYRIDINE, 4-((4-(DIMETHYLAMINO)-3,5-XYLYL)AZO)-, 1-OXIDE

IU80500. 2,3'-DIMETHYLAZOBENZENE
TXDS: orl-rat TDLo:120 mg/kg/DC TFX:NEO JPBAA7 58,275,46

IU82250. 2,3'-DIMETHYLAZOBENZENE-4'-METHYLCARBONATE
TXDS: orl-rat TDLo:60 mg/kg/DC TFX:NEO GANNA2 33,196,39

IU88000. 1,10-DIMETHYL-7,8-BENZACRIDINE (French) see:CU34900 BENZ(c)ACRIDINE, 7,11-DIMETHYL-

IU88100. 3,10-DIMETHYL-7,8-BENZACRIDINE (French) see:CU34800 BENZ(c)ACRIDINE, 7,9-DIMETHYL-

IU91000. 6,9-DIMETHYL-1,2-BENZACRIDINE
MW: 257.35 MOLFM: N-C19-H15
TXDS: skn-mus TDLo:120 mg/kg/WI TFX:NEO BUCABS 33,48,46

IU92750. DIMETHYLBENZANTHRENE see:CW38500 BENZ(a)ANTHRACENE, 7,12-DIMETHYL-

IU94500. 1,12-DIMETHYLBENZ(a)ANTHRACENE see:CW24500 BENZ(a)ANTHRACENE, 1,12-DIMETHYL-

IU96250. 4,5-DIMETHYLBENZ(a)ANTHRACENE see:CW26250 BENZ(a)ANTHRACENE, 4,5-DIMETHYL-

IU97000. 5,6-DIMETHYL-1,2-BENZANTHRACENE see:CW41000 BENZ(a)ANTHRACENE, 8,9-DIMETHYL-

IU98000. 6,7-DIMETHYLBENZ(a)ANTHRACENE see:CW28000 BENZ(a)ANTHRACENE, 6,7-DIMETHYL-

IV01750. 6,8-DIMETHYLBENZ(a)ANTHRACENE see:CW29750 BENZ(a)ANTHRACENE, 6,8-DIMETHYL-

IV03500. 6,12-DIMETHYLBENZ(a)ANTHRACENE see:CW33250 BENZ(a)ANTHRACENE, 6,12-DIMETHYL-

IV05250. 7,8-DIMETHYLBENZ(a)ANTHRACENE see:CW35000 BENZ(a)ANTHRACENE, 7,8-DIMETHYL-

IV07000. 7,11-DIMETHYLBENZ(a)ANTHRACENE see:CW36750 BENZ(a)ANTHRACENE, 7,11-DIMETHYL-

IV08750. 7,12-DIMETHYLBENZ(a)ANTHRACENE see:CW38500 BENZ(a)ANTHRACENE, 7,12-DIMETHYL-

IV10500. 7,12-DIMETHYLBENZ(a)ANTHRACENE-d16 see:CW40250 BENZ(a)ANTHRACENE-d16, 7,12-DIMETHYL-

IV12250. 7,12-DIMETHYLBENZ(a)ANTHRACENE, deuterated see:CW40250 BENZ(a)ANTHRACENE-d16, 7,12-DIMETHYL-

IV14000. 8,12-DIMETHYLBENZ(a)ANTHRACENE see:CW42000 BENZ(a)ANTHRACENE, 8,12-DIMETHYL-

IV15750. 9,10-DIMETHYLBENZ(a)ANTHRACENE see:CW43750 BENZ(a)ANTHRACENE, 9,10-DIMETHYL-

IV16000. 9,10-DIMETHYL-1,2-BENZANTHRAZEN (German) see:CW38500 BENZ(a)ANTHRACENE, 7,12-DIMETHYL-

IV17500. 1',9-DIMETHYL-1,2-BENZANTHRACENE see:CW24500 BENZ(a)ANTHRACENE, 1,12-DIMETHYL-

IV19250. 3,4'-DIMETHYL-1,2-BENZANTHRACENE see:CW26250 BENZ(a)ANTHRACENE, 4,5-DIMETHYL-

IV21000. 4,9-DIMETHYL-1,2-BENZANTHRACENE see:CW33250 BENZ(a)ANTHRACENE, 6,12-DIMETHYL-

IV22750. 4,10-DIMETHYL-1,2-BENZANTHRACENE see:CW28000 BENZ(a)ANTHRACENE, 6,7-DIMETHYL-

IV26250. 5,9-DIMETHYL-1,2-BENZANTHRACENE see:CW42000 BENZ(a)ANTHRACENE, 8,12-DIMETHYL-

IV28000. 5,10-DIMETHYL-1,2-BENZANTHRACENE see:CW35000 BENZ(a)ANTHRACENE, 7,8-DIMETHYL-

IV29750. 6,7-DIMETHYL-1,2-BENZANTHRACENE see:CW43750 BENZ(a)ANTHRACENE, 9,10-DIMETHYL-

IV31500. 6,8-DIMETHYL-1,2-BENZANTHRACENE see:CW45500 BENZ(a)ANTHRACENE, 9,11-DIMETHYL-

IV33250. N-METHYL-N-BENZYLNITROSAMINE see:DP63000 BENZYLAMINE, N-METHYL-N-NITROSO-

IV35000. 8,10-DIMETHYL-1,2-BENZANTHRACENE see:CW36750 BENZ(a)ANTHRACENE, 7,11-DIMETHYL-

IV36750. 9,10-DIMETHYL-1,2-BENZANTHRACENE see:CW38500 BENZ(a)ANTHRACENE, 7,12-DIMETHYL-

IV36900. 7,12-DIMETHYLBENZ(a)ANTHRACENE-8-CARBONITRILE see:CW12250 BENZ(a)ANTHRACENE, 8-CYANO-7,12-DIMETHYL-

IV51500. 3,3'-DIMETHYLBENZIDIN see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

IV52500. 3,3'-DIMETHYLBENZIDINE see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

IV54250. N,N-DIMETHYL-p-(4-BENZIMIDAZOLYLAZO)ANILINE see:DD85750 BENZIMIDAZOLE, 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-

IV55000. 6,12-DIMETHYLBENZO(1,2-b:5,4-b')BIS(1)BENZOTHIOPHENE see:DE64300 BENZO(1,2-b:5,4-b')BIS(1)BENZOTHIOPHENE, 6,12-DIMETHYL-

IV55200. 6,12-DIMETHYLBENZO(1,2-b:4,5-b')DITHIONAPHTHENE see:DE63800 BENZO(1,2-b:4,5-b')BIS(1)BENZOTHIOPHENE, 6,12-DIMETHYL-

IV55500. 7,13-DIMETHYLBENZO(b)PHENANTHRO(3,2-d)THIOPHENE see:DI98750 BENZO(b)PHENANTHRO(3,2-d)THIOPHENE, 7,13-DIMETHYL-

IV57750. 1,2-DIMETHYLBENZO(a)PYRENE see:DJ50750 BENZO(a)PYRENE, 1,2-DIMETHYL-

IV59500. 1,3-DIMETHYLBENZO(a)PYRENE see:DJ52500 BENZO(a)PYRENE, 1,3-DIMETHYL-

IV61250. 1,4-DIMETHYLBENZO(a)PYRENE see:DJ54250 BENZO(a)PYRENE, 1,4-DIMETHYL-

IV63000. 1,6-DIMETHYLBENZO(a)PYRENE see:DJ56000 BENZO(a)PYRENE, 1,6-DIMETHYL-

IV64750. 2,3-DIMETHYLBENZO(a)PYRENE see:DJ57750 BENZO(a)PYRENE, 2,3-DIMETHYL-

IV66500. 3,6-DIMETHYLBENZO(a)PYRENE see:DJ59500 BENZO(a)PYRENE, 3,6-DIMETHYL-

IV68250. 3,12-DIMETHYLBENZO(a)PYRENE see:DJ61250 BENZO(a)PYRENE, 3,12-DIMETHYL-

IV70000. 4,5-DIMETHYLBENZO(a)PYRENE see:DJ63000 BENZO(a)PYRENE, 4,5-DIMETHYL-

IV71750. 1,4-DIMETHYL-2,3-BENZPHENANTHRENE see:CW38500 BENZ(a)ANTHRACENE, 7,12-DIMETHYL-

IV73500. N,N-DIMETHYL-p-(6-BENZTHIAZOLYLAZO)ANILINE see:DL38500 BENZOTHIAZOLE, 6-((p-(DIMETHYLAMINO)PHENYL)AZO-

IV75250. N,N-DIMETHYL-p-(7-BENZTHIAZOLYLAZO)ANILINE see:DL40250 BENZOTHIAZOLE, 7-((p-(DIMETHYLAMINO)PHENYL)AZO)-

IV76000. 4,9-DIMETHYL-2,3-BENZTHIOPHANTHRENE see:DI23500 BENZO(b)NAPTHTHO(2,3-d)THIOPHENE, 6,11-DIMETHYL-

IV87500. alpha,alpha-DIMETHYLBENZYL HYDROPEROXIDE see:HX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

IW03500. 3,3'-DIMETHYL-4,4'-BIPHENYLDIAMINE see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

IW05250. 3,3'-DIMETHYLBIPHENYL-4,4'-DIAMINE see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

IW50750. DIMETHYLCARBAMYL CHLORIDE see:FD42000 CARBAMOYL CHLORIDE, DIMETHYL-

IW77300. N,N-DIMETHYL-p-((o-CHLOROPHENYL)AZO)ANILINE see:BX50500 ANILINE, N,N-DIMETHYL-p-((o-CHLOROPHENYL)AZO)-

IW77450. N,N-DIMETHYL-p-((m-CHLOROPHENYL)AZO)ANILINE see:BX50400 ANILINE, N,N-DIMETHYL-p-((m-CHLOROPHENYL)AZO)-

IW77600. N,N-DIMETHYL-p-((p-CHLOROPHENYL)AZO)ANILINE see:BX50600 ANILINE, N,N-DIMETHYL-p-((p-CHLOROPHENYL)AZO)-

IW82250. 1,1-DIMETHYL-3-(p-CHLOROPHENYL)UREA see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

IW84000. N,N-DIMETHYL-p-((4-CHLORO-m-TOLYL)AZO)ANILINE see:BX21000 ANILINE, p-((4-CHLORO-m-TOLYL)-AZO-N,N-DIMETHYL-

IW87500. 16,20-DIMETHYLCHOLANTHRENE
TXDS: scu-mus TDLo:400 mg/kg TPX:CAR AJCAA7 28,334,36

IW87800. 15,20-DIMETHYLCHOLANTHRENE see:PZ34000 CHOLANTHRENE, 1,3-DIMETHYL-

IW88500. 1:2-DIMETHYLCHRYSENE see:GC08750 CHRYSENE, 1,2-DIMETHYL-

IW89250. 5,6-DIMETHYLCHRYSENE see:GC10500 CHRYSENE, 5,6-DIMETHYL-

IX03500. 3,4-DIMETHYLCYCLOPENTENOPHENANTHRENE
MW: 246.37 MOLFM: C19-H18
WLN: L E5 B666T&&&J C D
TXDS: skn-mus TDLo:160 mg/kg/WC TPX:NEO ARGEAR 6,1,53

IX04900. 3,3'-DIMETHYL-N,N'-DIACETYLBENZIDINE see:DT28500 4',4'''-BIACETANILIDE, 3',3'''-DIMETHYL-

IX12500. DIMETHYLDIAMINOXANTHENYL CHLORIDE see:ZD55000 3H-XANTHEN-6-AMINE, N-METHYL-3-(METHYLIMINO)-, HYDROCHLORIDE

IX15750. 7,14-DIMETHYLDIBENZ(a,h)ANTHRACENE see:HN42000 DIBENZ(a,h)ANTHRACENE, 7,14-DIMETHYL-

IX17500. 9,10-DIMETHYL-1,2,5,6-DIBENZANTHRACENE see:HN42000 DIBENZ(a,h)ANTHRACENE, 7,14-DIMETHYL-

IX20500. 4,9-DIMETHYL-2,3,5,6-DIBENZOTHIOPHENTHRENE see:DI98750 BENZO(b)PHENANTHRO(3,2-d)THIOPHENE, 7,13-DIMETHYL-

IX45100. 2,5-DIMETHYL-1,2,5,6-DIEPOXYHEX-3-YNE see:MQ97000 3-HEXYNE, 1,2:5,6-DIEPOXY-2,5-DIMETHYL-

IX49000. N,N-DIMETHYL-p-((3,4-DIETHYLPHENYL)AZO)ANILINE see:BX36750 ANILINE, p-((3,4-DIETHYL-PHENYL)AZO)-N,N-DIMETHYL-

IX57750. 9,10-DIMETHYL-9,10-DIHYDRO-1,2-BENZANTHRACENE-9,10-OXIDE
TXDS: skn-mus TDLo:120 mg/kg/WI TFX:NEO PRLBA4 129,439,40

IX66500. 2',3'-DIMETHYL-4-DIMETHYLAMINOAZOBENZENE see:BX87500 ANILINE, N,N-DIMETHYL-p-(2,3-XYLYLAZO)-

IX70000. 3',4'-DIMETHYL-4-DIMETHYLAMINOAZOBENZENE see:BX89250 ANILINE, N,N-DIMETHYL-p-(3,4-XYLYLAZO)-

IX80500. 6,8-DIMETHYL-(4-p-(DIMETHYLAMINO)STYRYL)QUINOLINE see:VB71750 QUINOLINE, 4-(p-(DIMETHYLAMINO)STYRYL)-6,8-DIMETHYL-

IX84000. N,N-DIMETHYL-4-(4'-(2',5'-DIMETHYLPYRIDYL-1'-OXIDE)AZO)ANILINE see:OL01750 2,5-LUTIDINE, 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

IX85750. N,N-DIMETHYL-4-(4'-(2',6'-DIMETHYLPYRIDYL-1'-OXIDE)AZO)ANILINE see:OL03500 2,6-LUTIDINE, 4-((4-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

IX87500. N,N-DIMETHYL-4-(4'-(3',5'-DIMETHYLPYRIDYL-1'-OXIDE)AZO ANILINE see:OL05250 3,5-LUTIDINE, 4-((p-DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

IX92000. DIMETHYL-DI-NITROSO-AETHYLENDIAMIN (German) see:KV43750 ETHYLENEDIAMINE, N,N'-DIMETHYL-N,N'-DINITROSO-

IX92750. N,N'-DIMETHYL-N,N'-DINITROSOETHYLENEDIAMINE see:KV43750 ETHYLENEDIAMINE, N,N'-DIMETHYL-N,N'-DINITROSO-

IX94500. N,N'-DIMETHYL-N,N'-DINITROSOPHTHALAMIDE see:TH75250 PHTHALAMIDE, N-N'-DIMETHYL-N,N'-DINITROSO-

IX96250. N,N'-DIMETHYL-N,N'-DINITROSO-1,3-PROPANEDIAMINE see:TX77000 1,3-PROPANEDIAMINE, N,N'-DIMETHYL-N,N'-DIMETHYL-N,N'-DINITROSO-

IY03700. 2,6-DIMETHYL-m-DIOXAN-4-OL ACETATE see:AH13500 ACETIC ACID, ester with 2,6-DIMETHYL-m-DIOXAN-4-OL

IY08750. 3,3'-DIMETHYL-4,4'-DIPHENYLDIAMINE see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

IY10500. 3,3'-DIMETHYLDIPHENYL-4,4'-DIAMINE see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

IY19250. DIMETHYLDITHIOCARBAMATE ZINC SALT see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

IY26250. DIMETHYLDITHIOCARBAMIC ACID, ZINC SALT see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

IY41200. 3:4-DIMETHYLENE-1:2-BENZANTHRACENE see:CU15750 BENZ(k)ACEPHENANTHRYLENE, 4,5-DIHYDRO-

IY42000. 7,8-DIMETHYLENEBENZ(a)ANTHRACENE see:FZ26250 CHOLANTHRENE

IY44750. DIMETHYLENIMINE see:KX50750 ETHYLENIMINE

IY49000. exo-1,2-cis-DIMETHYL-3,6-EPOXYHEXAHYDROPHTHALIC ANHYDRIDE see:RN85750 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ANHYDRIDE, 2,3-DIMETHYL-

IY50200. DIMETHYLESTER KYSELINY SIROVE (Czech) see:WS82250 SULFURIC ACID, DIMETHYL ESTER

IY64750. DIMETHYL ETHYL ALLENOLIC ACID METHYL ETHER
MW: 258.34 MOLFM: O3-C16-H18
WLN: L66J CO1 E1XVQ
TXDS: orl-mus TDLo:3 mg/kg/8WI TFX:CAR CRSBAW 146,916,52

IY66500. N,N-DIMETHYL-4'-ETHYL-4-AMINOAZOBENZENE see:BY07000 ANILINE, p-((p-ETHYLPHENYL)AZO)-N,N-DIMETHYL-

IY68250. DI-N-METHYL ETHYL CARBAMATE see:PA12250 CARBAMIC ACID, DIMETHYL-, ETHYL ESTER

IY84000. N,N-DIMETHYL-p-((4-ETHYLPHENYL)AZO)ANILINE see:BY07000 ANILINE, p-((p-ETHYLPHENYL)AZO)-N,N-DIMETHYL-

IY94500. N,N-DIMETHYL-P-((3-ETHYL-p-TOLYL)AZO)ANILINE see:BY10500 ANILINE, p-((3-ETHYL-p-TOLYL)-AZO)-N,N-DIMETHYL-

IY95000. N,N-DIMETHYL-p-((3-ETHYL-p-TOLYL)AZO)ANILINE see:BY10500 ANILINE, p-((3-ETHYL-p-TOLYL)AZO)-N,N-DIMETHYL-

IY96250. N,N-DIMETHYL-p-((4-ETHYL-m-TOLYL)AZO)ANILINE see:BY12250 ANILINE, p-((4-ETHYL-m-TOLYL)AZO)-N,N-DIMETHYL

IZ01750. 2,3-DIMETHYLFLUORANTHENE see:LL42000 FLUORANTHENE, 2,3-DIMETHYL-

IZ03500. 7,8-DIMETHYLFLUORANTHENE see:LL43750 FLUORANTHENE, 7,8-DIMETHYL-

IZ29000. 1,2-DIMETHYLHYDRAZIN (German) see:HV26250 HYDRAZINE,1,2-DIMETHYL-

IZ29750. DIMETHYLHYDRAZINE see:HV24500 HYDRAZINE,1,1-DIMETHYL-HYDROCHLORIDE

IZ31500. asymmetric DIMETHYLHYDRAZINE see:HV24500 HYDRAZINE,1,1-DIMETHYL-

IZ33250. N,N-DIMETHYLHYDRAZINE see:HV24500 HYDRAZINE,1,1-DIMETHYL-

IZ35000. N,N'-DIMETHYLHYDRAZINE see:HV26250 HYDRAZINE,1,2-DIMETHYL-

IZ36750. sym-DIMETHYLHYDRAZINE see:HV26250 HYDRAZINE,1,2-DIMETHYL-

IZ38500. 1,2-DIMETHYL-HYDRAZINE see:HV26250 HYDRAZINE, 1,2-DIMETHYL-

IZ40250. uns-DIMETHYLHYDRAZINE see:HV24500 HYDRAZINE, 1,1-DIMETHYL-

IZ42000. unsym-DIMETHYLHYDRAZINE see:HV24500 HYDRAZINE,1,1-DIMETHYL-

IZ43750. 1,1-DIMETHYL HYDRAZINE see:HV24500 HYDRAZINE,1,1-DIMETHYL-

IZ45500. N,N'-DIMETHYLHYDRAZINE DIHYDROCHLORIDE see:HV28000 HYDRAZINE, 1,2-DIMETHYL-, DIHYDROCHLORIDE

IZ47250. sym-DIMETHYLHYDRAZINE DIHYDROCHLORIDE see:HV28000 HYDRAZINE, 1,2-DIMETHYL-, DIHYDROCHLORIDE

IZ49000. 1,2-DIMETHYLHYDRAZINE DIHYDROCHLORIDE see:HV28000 HYDRAZINE, 1,2-DIMETHYL-, DIHYDROCHLORIDE

IZ50750. 2-(2,2-DIMETHYLHYDRAZINO)-4-(5-NITRO-2-FURYL)THIAZOLE see:XJ46000 THIAZOLE, 2-(2,2-DIMETHYLHYDRAZINO)-4-(5-NITRO-2-FURYL)-

IZ72000. N,N-DIMETHYL-p-(6-INDAZYLAZO)ANILINE see:NK79300 1H-INDAZOLE, 6((p-(DIMETHYLAMINO)PHENYL)AZO)-

IZ82250. alpha,beta-DIMETHYLMALEIC ANHYDRIDE see:ON40250 MALEIC ANHYDRIDE, DIMETHYL-

JA31500. N,N-DIMETHYL-3-METHYL-4-(4'-(2'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE see:TJ61250 2-PICOLINE, 4-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-, 1-OXIDE

JA43750. N,N-DIMETHYL-4-(4'-(2'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE see:BX66500 ANILINE, N,N-DIMETHYL-4-(4'-(2'-METHYLPYRIDYL-1'-OXIDE)AZO)-

JA45500. N,N-DIMETHYL-4-(4'-(2'-METHYLPYRIDYL-1'-OXIDE)AZOANILINE see:TJ56000 2-PICOLINE, 4-((4-(DIMETHYLAMINO)PHENYL)AZO)- 1-OXIDE

JA47250. N,N-DIMETHYL-4-(4'-(3'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE see:BX68250 ANILINE, N,N-DIMETHYL-4-(4'-(3'-METHYLPYRIDYL-1'-OXIDE)AZO)-

JA47550. N,N-DIMETHYL-2'-METHYLSTILBENAMINE see:WJ43000 STILBENAMINE, N,N-DIMETHYL-2'-METHYL-

JA57750. DIMETHYL MONOSULFATE see:WS82250 SULFURIC ACID, DIMETHYL ESTER

JA64750. N,N-DIMETHYL-p-(1-NAPHTHYLAZO)ANILINE see:BX70000 ANILINE, N,N-DIMETHYL-p-(1-NAPHTHYLAZO)-

JA64850. N,N-DIMETHYL-p-(2-(1-NAPHTHYL)VINYL)ANILINE see:BX70250 ANILINE, N,N-DIMETHYL-p-(2-(1-NAPHTHYL)VINYL)-

JA68800. N,N-DIMETHYL-p-((o-NITROPHENYL)AZO)ANILINE see:BX71000 ANILINE, N,N-DIMETHYL-p-((o-NITROPHENYL)AZO)-

JA69100. N,N-DIMETHYL-p-((m-NITROPHENYL)AZO)ANILINE see:BX70500 ANILINE, N,N-DIMETHYL-p-((m-NITROPHENYL)AZO)-

JA84000. DIMETHYLNITROSAMINE see:IQ05250 DIMETHYLAMINE, N-NITROSO-

JA85750. N,N-DIMETHYLNITROSAMINE see:IQ05250 DIMETHYLAMINE, N-NITROSO-

JA87500. DIMETHYLNITROSOAMINE see:IQ05250 DIMETHYLAMINE, N-NITROSO-

JA89250. N,N-DIMETHYL-p-NITROSOANILINE see:BX71750 ANILINE, N,N-DIMETHYL-p-NITROSO-

JA91000. N,N'-DIMETHYLNITROSOUREA see:YT03500 UREA, 1,3-DIMETHYLNITROSO-

JA92750. 1,3-DIMETHYLNITROSOUREA see:YT03500 UREA, 1,3-DIMETHYLNITROSO-

JB54250. 2,4-DIMETHYLPHENOL see:ZE56000 2,4-XYLENOL

JB56000. 2,5-DIMETHYLPHENOL see:ZE57750 2,5-XYLENOL

JB57750. 2,6-DIMETHYLPHENOL see:ZE61250 2,6-XYLENOL

JB59500. 3,4-DIMETHYLPHENOL see:ZE63000 3,4-XYLENOL

JB61250. 3,5-DIMETHYLPHENOL see:ZE64750 3,5-XYLENOL

JB68250. N,N-DIMETHYL-p-PHENYLAZOANILINE see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

JB70000. N,N-DIMETHYL-4-(PHENYLAZO)-m-TOLUIDINE see:XU59500 m-TOLUIDINE, N,N-DIMETHYL-4-(PHENYLAZO)-

JC19250. 3,3-DIMETHYL-1-PHENYLTRIAZENE see:XY21000 TRIAZENE, 3,3-DIMETHYL-1-PHENYL-

JC61250. N,N-DIMETHYL-p-((p-PROPYLPHENYL)AZO)ANILINE see:BX77000 ANILINE, N,N-DIMETHYL-p-((p-PROPYLPHENYL)AZO)-

JC71750. 2,6-DIMETHYLPYRIDINE-1-OXIDE-4-AZO-p-DIMETHYLANILINE see:OL03500 2,6-LUTIDINE, 4-((4-DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

JC73500. N,N-DIMETHYL-p-(3-PYRIDYLAZO)ANILINE see:UT20000 PYRIDINE, 3-(p-(DIMETHYLAMINO)PHENYLAZO)-

JC78750. N,N-DIMETHYL-4-(4'(PYRIDYL-1'-OXIDE)AZO)ANILINE see:UT68250 PYRIDINE-1-OXIDE-4-AZO-p-DIMETHYLANILINE

JC84000. N(sup 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)SULFANILAMIDE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

JC85750. N(sup 1)-(4,6-DIMETHYL-2-PYRIMIDYL)SULFANILAMIDE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

JC87500. N,N-DIMETHYL-p-(5'-QUINOLYLAZO)ANILINE see:VB54250 QUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-

JC88000. N,N-DIMETHYL-p-(6-QUINOXALINYLAZO)ANILINE see:VD20000 QUINOXALINE, 6-((p-(DIMETHYLAMINO)PHENYL)AZO)-

JC88100. N,N-DIMETHYL-p-(5-QUINOXALYLAZO)ANILINE see:VD19800 QUINOXALINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-

JC88200. N,N-DIMETHYL-p-(6-QUINOXALYLAZO)ANILINE see:VD20000 QUINOXALINE, 6-((p-(DIMETHYLAMINO)PHENYL)AZO)-

JC94500. cis-N,N-DIMETHYL-4-STILBENAMINE see:WJ40250 4-STILBENAMINE, N,N-DIMETHYL-, (E)-

JC96250. trans-N,N-DIMETHYL-4-STILBENAMINE see:CY05250 BENZENAMINE, N,N-DIMETHYL-4-(2-PHENYL ETHENYL)-, (Z)-

JC98000. N,N-DIMETHYL-p-STYRYLANILINE see:WJ38500 4-STILBENAMINE, N,N-DIMETHYL-

JD01000. DIMETHYLSULFAAT (Dutch) see:WS82250 SULFURIC ACID, DIMETHYL ESTER

JD05250. DIMETHYL SULFATE see:WS82250 SULFURIC ACID, DIMETHYL ESTER

JD10500. 4,6-DIMETHYL-2-SULFANILAMIDOPYRIMIDINE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

JD11000. DIMETHYLSULFAT (Czech) see:WS82250 SULFURIC ACID, DIMETHYL ESTER

JD11100. DIMETHYL SULFATE see:WS82250 SULFURIC ACID, DIMETHYL ESTER

JD11250. DIMETHYL SULPHATE see:WS82250 SULFURIC ACID, DIMETHYL ESTER

JD12250. 1,4-DIMETHYLSULFONOXYBUTANE see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

JD14000. 1,4-DIMETHYLSULFONYLOXYBUTANE see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

JD47250. N,N-DIMETHYL-p-(m-TOLYLAZO)ANILINE see:CY03500 BENZENAMINE, N,N-DIMETHYL-4-((3-METHYLPHENYL)AZO)-

JD50500. 4-(3,3-DIMETHYL-1-TRIAZENO)IMIDAZOLE-5-CARBOXAMIDE see:NI39500 IMIDAZOLE-4-CARBOXAMIDE, 5-(3,3-DIMETHYL-1-TRIAZENO)-

JD50600. 5-(3,3-DIMETHYL-1-TRIAZENO)IMIDAZOLE-4-CARBOXAMIDE see:NI39500 IMIDAZOLE-4-CARBOXAMIDE, 5-(3,3-DIMETHYL-1-TRIAZENO)-

JD66500. beta,beta-DIMETHYLTRIMETHYLENE OXIDE see:TZ31500 PROPANE, 1,3-EPOXY-2,2-DIMETHYL-

JD84000. N,N-DIMETHYL-p-(2,3-XYLYLAZO)ANILINE see:BX87500 ANILINE, N,N-DIMETHYL-p-(2,3-XYLYLAZO)-

JD85750. N,N-DIMETHYL-p-(3,4-XYLYLAZO)ANILINE see:BX89250 ANILINE, N,N-DIMETHYL-p-(3,4-XYLYLAZO)-

JD87500. DIMETHYL YELLOW see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

JD91500. DIMETILSOLFATO (Italian) see:WS82250 SULFURIC ACID, DIMETHYL ESTER

JD91700. 3,3'-DIMETOSSIBENZODINA (Italian) see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

JD96250. DIMEZATHINE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

JE12250. DINACRIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

JE14000. 3,4,5,6-DINAPHTHACARBAZOLE see:HO56000 7H-DIBENZO(c,g)CARBAZOLE

JE15750. 1,2,5,6-DINAPHTHACRIDINE see:HN08750 DIBENZ(a,h)ACRIDINE

JE17500. 3,4,6,7-DINAPHTHACRIDINE see:HN10500 DIBENZ(a,j)ACRIDINE

JE19250. DINAPHTHAZINE
CAS: 000258764 MW: 280.33 MOLFM: N2-C20-H12
WLN: T G6 B6 C666 DN ONJ
SYN: DINAPHTAZIN (German) *
TXDS: scu-mus TDLo:200 mg/kg TFX:CAR ZEKBAI 58,56,51

JE21500. DINAPHTAZIN (German) see:JE19250 DINAPHTHAZINE

JE23000. DI-2-NAPHTHOL, 1,1'-(BENZYLIDENEBIS((2-METHOXY-p-PHENYLENE)(AZO))-
MW: 608.72 MOLFM: N4-O4-C38-H32
WLN: L66J CQ BNUNR B01 D- 2YR
SYN: 1,1'-(BENZYLIDENEBIS((2-METHOXY-p-PHENYLENE)(AZO))DI-2-NAPHTHOL * 3,3'-DIMETHOXYTRIPHENYLMETHANE-4,4'-BIS(1''-AZO-2''-NAPHTHOL) *
TXDS: orl-rat TDLo:40 gm/kg/83WC TFX:NEO ZEKBAI 57,530,51

JE56000. 4,4'-DINITROBIPHENYL see:DV43750 BIPHENYL, 4,4'-DINITRO-

JE80500. 2,4-DINITRO-1-CHLORO-NAPHTHALENE see:QJ24500 NAPHTHALENE, 1-CHLORO-2,4-DINITRO-

JF01750. 2,7-DINITROFLUORENE see:LL71750 FLUORENE, 2,7-DINITRO-

JF31500. 4,6-DINITROQUINOLINE 1-OXIDE see:VB78750 QUINOLINE, 4,6-DINITRO-, 1-OXIDE

JF35000. N,N'-DINITROSO-N,N'-DIETHYLETHYLENEDIAMINE see:KV36750 ETHYLENEDIAMINE, N,N'-DIETHYL-N-N'-DINITROSO-

JF36750. N,N'-DINITROSO-N,N'-DIMETHYLPHTHALAMIDE see:TH75250 PHTHALAMIDE, N-N'-DIMETHYL-N,N'-DINITROSO-

JF38500. N,N'-DINITROSO-N,N'-DIMETHYL-1,3-PROPANEDIAMINE see:TX77000 1,3-PROPANEDIAMINE, N,N'-DIMETHYL-N,N'-DIMETHYL-N,N'-DINITROSO-

JF40250. N,4-DINITROSO-N-METHYLANILINE see:BY49000 ANILINE, N-METHYL-N,p-DINITROSO-

JF46000. DINITROSOPIPERAZINE see:TL63000 PIPERAZINE, 1,4-DINITROSO-

JF46100. N,N'-DINITROSOPIPERAZINE see:TL63000 PIPERAZINE, 1,4-DINITROSO

JF47100. 1,4-DINITROSOPIPERAZINE see:TL63000 PIPERAZINE, 1,4-DINITROSO-

JF91800. DINTOIN see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

JG38500. DIOGNAT-E see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

JG40250. DIOGYN see:KG29750 ESTRADIOL

JG41000. DIOGYN R see:KG40500 ESTRADIOL, 3-BENZOATE

JG42000. DIOGYN-E see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

JG43750. DIOGYNETS see:KG29750 ESTRADIOL

JG44000. DIOKSAN (Polish) see:JG82250 p-DIOXANE

JG58150. 1,4-DIOSSIBENZENE (Italian) see:DK26250 p-BENZOQUINONE

JG58300. DIOSSANO-1,4 (Italian) see:JG82250 p-DIOXANE

JG64750. DIOVOCYLIN see:KG47250 ESTRADIOL, DIPROPIONATE

JG66850. DIOXAAN-1,4 (Dutch) see:JG82250 p-DIOXANE

JG71750. 2,3-DIOXABICYCLO(2.2.2)OCT-5-ENE, 1-ISOPROPYL-4-METHYL- see:OT01750 p-MENTH-2-ENE, 1,4-EPIDIOXY-

JG75250. 1,4-DIOXACYCLOHEXANE see:JG82250 p-DIOXANE

JG80100. DIOXAN-1,4 (German) see:JG82250 p-DIOXANE

JG80500. DIOXANE see:JG82250 p-DIOXANE

JG81000. DIOXANE-1,4 see:JG82250 p-DIOXANE

JG82250. p-DIOXANE
CAS: 000123911 MW: 88.12 MOLFM: O2-C4-H8
WLN: T6O DOTJ
SYN: 1,4-DIETHYLENE DIOXIDE * DIETHYLENE ETHER * DI(ETHYLENE OXIDE) * DIOKSAN (Polish) * DIOSSANO-1,4 (Italian) * DIOXAAN-1,4 (Dutch) * 1,4-DIOXACYCLOHEXANE * DIOXAN-1,4 (German) * DIOXANE * 1,4-DIOXANE * DIOXANE-1,4 * DIOXANNE (French) * p-DIOXIN, TETRAHYDRO- * DIOXYETHYLENE ETHER * GLYCOL ETHYLENE ETHER *
TXDS: ihl-hmn LCLo:470 ppm TFX:UNS AMIHAB 20,445,59
orl-rat TDLo:416 gm/kg/57WC TFX:CAR BJCAAI 24,164,70
ipr-mus LD50:790 mg/kg PEPRA7 6,342,47
orl-cat LD50:2000 mg/kg JIHTAB 21,173,39
orl-rbt LD50:2000 mg/kg JIHTAB 21,173,39
orl-gpg LD50:3150 mg/kg JIHTAB 23,259,41
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 100 ppm(skin) PEREAC 37,22139,72

JG85750. 1,4-DIOXANE see:JG82250 p-DIOXANE

JG98000. p-DIOXANE, 2,3-DICHLORO-, trans-
CAS: 003883430 MW: 157.00 MOLFM: O2-Cl2-C4-H6
WLN: T6O DOTJ BG CG -T
SYN: trans-2,3-DICHLORO-1,4-DIOXANE * 1,4-DIOXANE, trans-2,3-DICHLORO- *
TXDS: orl-rat LDLo:1410 mg/kg AIHAAP 30,470,69
scu-mus TDLo:1660 mg/kg/83WI TFX:NEO JNCIAM 53,695,74

JH01750. 1,4-DIOXANE, trans-2,3-DICHLORO- see:JG98000 p-DIOXANE, 2,3-DICHLORO-, trans-

JH23000. DIOXANNE (French) see:JG82250 p-DIOXANE

JH48000. 1,3,2-DIOXATHIOLANE, 2,2-DIOXIDE
MW: 124.12 MOLFM: O4-S-C2-H4
SYN: ETHYLENE GLYCOL, CYCLIC SULFATE * ETHYLENE SULFATE * GLYCOL SULFATE * SULFURIC ACID, CYCLIC ETHYLENE ESTER *
TXDS: ipr-mus TDLo:128 mg/kg/64WI TFX:NEO JNCIAM 53,695,74
scu-mus TDLo:1180 mg/kg/59WI TFX:NEO JNCIAM 53,695,74

JH53000. DIOXIN see:AB13500 ACETIC ACID, ester with 2,6-DIMETHYL-m-DIOXAN-4-OL

JH54250. p-DIOXIN, TETRAHYDRO- see:JG82250 p-DIOXANE

JH57750. 9,10-DIOXOANTHRACENE see:CB47250 ANTHRAQUINONE

JH74000. 1,3-DIOXOLANE, 4,5-DICHLORO-2-OXO-
MW: 156.95 MOLFM: O3-Cl2-C3-H2
SYN: 1,2-DICHLOROETHYLENE CARBONATE *
TXDS: scu-mus TDLo:648 mg/kg/54WI TFX:NEO JNCIAM 48,1431,72

JI66500. 2,6-DIOXOPURINE see:ZD77000 XANTHINE

JI77000. 1,4-DIOXYBENZENE see:DK26250 p-BENZOQUINONE

JI78750. 3,3'-DIOXYBENZIDINE see:DV49000 3,3'-BIPHENYLDIOL, 4,4'-DIAMINO-

JI78800. 1,4-DIOXY-BENZOL (German) see:DK26250 p-BENZOQUINONE

JI85750. DIOXYETHYLENE ETHER see:JG82250 p-DIOXANE

JJ12250. DIPENTENE DIOXIDE see:OS91000 p-MENTHANE, 1,2:8,9-DIEPOXY-

JJ24500. DIPHANTOIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JJ27000. DIPHEDAL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JJ28000. DIPHEDAN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JJ56000. DIPHENIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JJ57750. DIPHENINE see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JJ67300. DIPHENTOIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JJ91000. DIPHENYLAMINE, HEXANITRO- see:JJ92750 DIPHENYLAMINE, 2,2',4,4',6,6'-HEXANITRO-

JJ92750. DIPHENYLAMINE, 2,2',4,4',6,6'-HEXANITRO-
CAS: 000131737 MW: 439.24 MOLFM: N7-O12-C12-H5
WLN: WNR CNW ENW B- 2M
SYN: BIS(2,4,6-TRINITRO-PHENYL)-AMIN (German) * DIPHENYLAMINE, HEXANITRO * DPA * ESANITRODIFENILAMINA (Italian) * HEXANITRODIFENYLAMINE (Dutch) * HEXYL (German, Dutch) * HEXANITRODIPHENYLAMINE (French) * 2,2',4,4',6,6'-HEXANITRODIPHENYLAMINE * 2,4,6,2',4',6'-HEXANITRODIPHENYLAMINE *
TXDS: orl-rat LDLo: 250 mg/kg NDBC** -,12,43
orl-rat TDLo:14 gm/kg/76WC TFX:NEO NATUAS 180,509,57

JJ97000. DIPHENYLAMINE, 4-((p-NITROPHENYL)AZO)-
CAS: 002581693 MW: 318.36 MOLFM: N4-O2-C18-H14
WLN: WNR DNUNR DMR
SYN: 4-((p-NITROPHENYL)AZO)DIPHENYLAMINE *
TXDS: orl-rat TDLo:31 gm/kg/88WC TFX:NEO ZEKBAI 57,530,51

JK11300. DIPHENYLAN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JK13000. DIPHENYL BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

JK14000. DIPHENYL BLUE 3B see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

JK14500. DIPHENYL BLUE KP see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

JK14700. DIPHENYL BLUE M2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

JK21000. DIPHENYLCHLORARSINE see:CH64750 ARSINE, DIPHENYLCHLORO-

JK26250. 2,4'-DIPHENYLDIAMINE see:DV21000 2,4'-BIPHENYLDIAMINE

JK28000. DIPHENYLDIIMIDE see:CN14000 AZOBENZENE

JK44200. DIPHENYLE CHLORE, 54% DE CHLORE (French) see:CP61250 AROCLOR 1254

JK47250. 4,4'-DIPHENYLENEDIAMINE see:DC96250 BENZIDINE

JK63000. DIPHENYLHYDANTOIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JK67300. DIPHENYLHYDATANOIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JK71750. 5,5-DIPHENYLHYDANTOIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JK73500. 2,2-DIPHENYL-3-HYDROXYPROPIONIC ACID LACTONE see:RQ77000 2-OXETANONE, 3,3-DIPHENYL-

JK75250. 5,5-DIPHENYLIMIDAZOLIDIN-2,4-DIONE see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JK77000. 5,5-DIPHENYL-2,4-IMIDAZOLIDINEDIONE see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JK78750. DIPHENYLINE see:DV21000 2,4'-BIPHENYLDIAMINE

JL03500. 3,3-DIPHENYL-2-OXETANONE see:RQ77000 2-OXETANONE, 3,3-DIPHENYL-

JL17500. alpha,alpha-DIPHENYL-beta-PROPIOLACTONE see:RQ77000 2-OXETANONE, 3,3-DIPHENYL-

JL19250. 1,1-DIPHENYL-2-PROPYNYL-N-CYCLOHEXYL CARBAMATE see:GU71750 CYCLOHEXANECARBAMIC ACID, 1,1-DIPHENYL-2-PROPYNYL ESTER

JL35000. 5,5-DIPHENYL-2-THIOHYDANTOIN see:MU17500 HYDANTOIN, 5,5-DIPHENYL-2-THIO-

JL54600. DI-PHETINE see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JL68000. DIPICRYLAMINE see:JJ92750 DIPHENYLAMINE, 2,2',4,4',6,6'-HEXANITRO-

JL77000. DIPRON see:WO84000 SULFANILAMIDE

JL94000. DIPROPYLAMINE, 2,2'-BIS(2,3-EPOXYPROPOXY)-N-t-BUTYL-
MW: 301.48 MOLFM: N-O4-C16-H31
SYN: DIGLYCIDYL ETHER of N,N-BIS(2-HYDROXYPROPYL)-5-BUTYLAMINE *
TXDS: scu-mus TDLo:3600 mg/kg/9WI TFX:NEO FCTXAV 4,365,66

JL97000. DIPROPYLAMINE, N-NITROSO-
MW: 130.22 MOLFM: N2-O-C6-H14
WLN: ONN3&3
SYN: N-NITROSO-N-DIPROPYLAMINE * DI-n-PROPYLNITROSAMINE * DPN * N-NITROSO-N-DIPROPYLAMINE *
TXDS: orl-rat TDLo:1150 mg/kg/30WI TFX:NEO ARZNAD 19,1077,69
scu-ham LD50:600 mg/kg JNCIAM 51,1019,73
scu-ham TDLo:143 mg/kg/38W TFX:CAR JNCIAM 51,1019,73

JN20000. N,N-DI-n-PROPYL ETHYL CARBAMATE see:FA44500 CARBAMIC ACID, DIPROPYL-, ETHYL ESTER

JN28000. DI-n-PROPYLNITROSOAMINE see:JL97000 DIPROPYLAMINE, N-NITROSO-

JN56000. alpha,alpha'-DIPYRIDYL see:DW17500 2,2'-BIPYRIDINE

JN72000. DIRECT BLUE A see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

JN72400. DIRECT BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

JN73500. DIRECT BLUE 3B see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

JN73750. DIRECT BLUE BB see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

JN74500. DIRECT BLUE GS see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

JN74600. DIRECT BLUE K see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

JN75250. DIRECT BLUE M3B see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

JN17500. DISODIUM (2,4-DIMETHYLPHENYLAZO)-2-HYDROXYNAPHTHALENE-3,6-DISULFONATE see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

JN37200. DISODIUM 6-HYDROXY-3-OXO-9-XANTHENE-o-BENZOATE see:LM54250 FLUORESCEIN, DISODIUM SALT

JN37500. DISODIUM INDIGO-5,5-DISULFONATE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

JN85750. DISPERSOL RED BB see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

JN86100. DISPERSOL YELLOW PP see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

JO33250. DISULPHINE LAKE BLUE EG see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

JO37000. DISYNFORMON see:KG85750 ESTRONE

JO47250. DITHANE M 22 see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

JO47500. DITHANE M 22 SPECIAL see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

JO48000. DITHANE Z-78 see:ZH33250 ZINC, (ETHYLENEBIS(DITHIOCARBAMATO))-

JO53000. DITHIANE Z-78 see:ZH33250 ZINC, (ETHYLENEBIS(DITHIOCARBAMATO))-

JP42000. DITHRANOL see:CB12250 1,8,9-ANTHRACENETRIOL

JP48000. DITOINATE see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JP49000. 4,4'-DI-o-TOLUIDINE see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

JP70000. DITUBIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

JQ17500. DMAB see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

JQ24500. DMBA see:CW38500 BENZ(a)ANTHRACENE, 7,12-DIMETHYL-

JQ26250. 7,12-DMBA see:CW38500 BEN(a)ANTHRACENE, 7,12-DIMETHYL-

JQ38500. DMN see:IQ05250 DIMETHYLAMINE, N-NITROSO-

JQ40250. DMNA see:IQ05250 DIMETHYLAMINE, N-NITROSO-

JQ50750. DMS(METHYL SULFATE) see:WS82250 SULFURIC ACID, DIMETHYL ESTER

JR05250. DOCA see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

JR07000. DOCA ACETATE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

JR08750. DOC-AC see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

JR10500. DOC ACETATE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

JR14000. DODECACHLOROOCTAHYDRO-1,3,4-METHENO-2H-CYCLOBUTA(c,d)PENTALENE see:PC82250 1,3,4-METHENO-1H-CYCLOBUTA(cd)PENTALENE, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-= DODECACHLOROOCTAHYDRO-

JR15750. DODECACHLOROPENTACYCLODECANE see:PC82250 1,3,4-METHENO-1H-CYCLOBUTA(cd)PENTALENE, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-= DODECACHLOROOCTAHYDRO-

JR17500. DODECAHYDRODIPHENYLAMINE see:HY40250 DICYCLOHEXYLAMINE

JR24500. DODECANE, 1,2-EPOXY-
CAS: 002855198 MW: 184.36 MOLFM: O-C12-H24
WLN: T3OTJ B10
SYN: DODECENE EPOXIDE * 1,2-EPOXYDODECANE *
TXDS: ihl-mus TDLo:150 mg/kg TFX:NEO RARSAM 3,193,63

JR45500. DODECANOYL PEROXIDE see:OP26250 LAUROYL PEROXIDE

JR52500. DODECENE EPOXIDE see:JR24500 DODECANE, 1,2-EPOXY-

JS21000. DOISYNOLIC ACID see:VS31500 16,17-SECOESTRA-1,3,5(10)-TRIEN-17-OIC ACID, 3-HYDROXY-

JS40500. DOLKWAL AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

JS42000. DOLKWAL BRILLIANT BLUE see:BQ45500 AMMONIUM, ETHYL (4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

JS43000. DOLKWAL INDIGO CARMINE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

JS43750. DOLKWAL ORANGE SS see:QL54250 2-NAPETHOL, 1-(o-TOLYLAZO)-

JS44500. DOLKWAL PONCEAU 3R see:QJ66500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((2,4,5-TRIMETHYLPHENYL)AZO)-, DISODIUM SALT

JS45500. DOLKWAL SUNSET YELLOW see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

JS47250. DOLKWAL YELLOW AB see:SR43750 PHENYLAZO-2-NAPHTHYLAMINE

JS48000. DOLKWAL YELLOW OB see:QM50000 2-NAPHTHYLAMINE, 1-(o-TOLYLAZO)-

JS70000. DOMESTROL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

JS87500. DORCOSTRIN see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

JT01750. DORMIRAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

JT22750. DOSCALON see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

JU19250. DOXO see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

JU28070. DPA see:JJ92750 DIPHENYLAMINE, 2,2',4,4',6,6'-HEXANITRO-

JU29750. DPH see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

JU37700. DPN see:JL97000 DIPROPYLAMINE, N-NITROSO-

JU38500. DPP see:US77000 PYRIDINE, 2,6-DIAMINO-3-(PHENYLAZO)-

JU78750. DROXOLAN see:PZ21000 5-beta-CHOLAN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-

JU84000. DS see:WS78750 SULFURIC ACID, DIETHYL ESTER

JU95000. DTBP see:ER24500 t-BUTYL PEROXIDE

JU97000. DTIC see:NI39500 IMIDAZOLE-4-CARBOXAMIDE, 5-(3,3-DIMETHYL-1-TRIAZENO)-

JV03800. DUATOX see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

JV10500. DULCIN see:YT22750 UREA, (p-ETHOXYPHENYL)-

JV21000. DUNERYL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

JV66000. DUSITAN DICYKLOHEXYLAMINU (Czech) see:HY42000 DICYCLOHEXYLAMINE, NITRITE

JV77280. DWUCHLORODWUETYLOWY ETER (Polish) see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

JV77360. DWUMETYLOWY SIARCZAN (Polish) see:WS82250 SULFURIC ACID, DIMETHYL ESTER

JV78600. DYE FD AND C RED NO. 4 see:QK27050 1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT

JV78650. DYE FDC RED 2 see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

JV78750. DYE FDC YELLOW LAKE 6 see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

JV80500. DYE FDC YELLOW NO. 6 see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

JV81000. DYE ORANGE NO. 1 see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

JV82250. DYE SUNSET YELLOW see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

JV87500. DYLOFORM see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

JW12250. DYTHOL see:FZ84000 CHOLESTEROL

JW47600. EBIDENE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

JW47950. EBZ see:KG40500 ESTRADIOL, 3-BENZOATE

JW85750. EDICOL PONCEAU RS see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

JW86400. EDICOL SUPRA AMARANTH A see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

JW89250. EDICOL SUPRA BLUE E6 see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

JW90000. EDICOL SUPRA BLUE X see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

JW92000. EDICOL SUPRA GREEN B see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

JW92750. EDICOL SUPRA PONCEAU R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

JW94500. EDICOL SUPRA PONCEAU 4R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

JW95300. EDICOL SUPRA PONCEAU SX see:QK27050 1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT

JW96250. EDICOL SUPRA YELLOW FC see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

JW98000. EDIFAS B see:FJ59500 CELLULOSE, CARBOXYMETHYL ETHER, SODIUM SALT

JX10500. EE see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

JX11000. EE3ME see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

JX35000. EI see:KX50750 ETHYLENIMINE

JX51600. EKKO CAPSULES see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

JX77000. ELASTOPAR see:BY49000 ANILINE, N-METHYL-N,p-DINITROSO-

JX80500. ELBANIL see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

JX84000. ELDOQUIN see:HX35000 HYDROQUINONE

JX88000. ELEPSINDON see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

JX88250. ELEUDRON see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

JY19250. EMBICHIN see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

JY21000. EMBIKHINE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

JY40250. EMERSOL 221 LOW TITER WHITE OLEIC ACID see:RG22750 9-OCTADECENOIC ACID, (Z)-

JY42000. EMERSOL 220 WHITE OLEIC ACID see:RG22750 9-OCTADECENOIC ACID, (Z)-

JY67300. EMS see:PB21000 METHANESULFONIC ACID, ETHYL ESTER

JY67800. EMT 25,299 see:HA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

JY68250. EMT 50,003 see:SZ19250 PHOSPHINE OXIDE, TRIS(1-(2-METHYL)AZIRIDINYL)-

JY98500. ENDOFOLLICULINA see:KG85750 ESTRONE

JZ28000. ENDOXAN see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

JZ29000. ENDOXANE see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

JZ54250. ENIACID CLOTH RED BC see:QK26650 4-NAPHTHALENESULFONIC ACID, 1-HYDROXY-2-(p-(o'-TOLYLAZO)-o-TOLYLAZO)-, SODIUM SALT

JZ55000. ENIACID ORANGE I see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

JZ56000. ENIACID SUNSET YELLOW see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

JZ56800. ENIAL ORANGE I see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

JZ57750. ENIAL RED IV see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

JZ59500. ENIAL YELLOW 2G see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

JZ59800. ENIANIL BLUE 2BN see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

JZ61900. ENKALON see:RF52500 NYLON

JZ62200. ENKELPEL see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

JZ62300. ENNG see:HF22750 GUANIDINE, 1-ETHYL-3-NITRO-3-NITROSO-

JZ64000. ENS see:WR10500 SULFONAMIDE, 4-(ETHYLSULFONYL)-1-NAPHTHALENE-

JZ69160. ENT 133 see:DJ28000 (1)BENZOPYRANO(3,4-b)FURO(2,3-h)(1)BENZOPYRAN-6(6aH)-ONE, 1,2,12,12a-TETRAHYDRO-2-alpha-ISOPROPENYL-8,9-DIMETHOXY-

JZ69390. ENT 988 see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

JZ70100. ENT 1,506 see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

JZ71800. ENT 4,225 see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

JZ71850. ENT 4,504 see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

JZ72050. ENT 4,705 see:FG49000 CARBON TETRACHLORIDE

JZ72200. ENT 7,796 see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

JZ72650. ENT 9,232 see:GV35000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, alpha-isomer

JZ72800. ENT 9,233 see:GV43750 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, beta-isomer

JZ73320. ENT 14,611 see:CN14000 AZOBENZENE

JZ73400. ENT 14,874 see:ZH33250 ZINC, (ETHYLENEBIS(DITHIOCARBAMATO))-

JZ73420. ENT 14,875 see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

JZ77000. ENT 15,949 see:IO21000 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-, endo,exo-

JZ78750. ENT 16,225 see:IO17500 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-6,7-EPOXY-1,4,5a,5,6,7,8,8a-OCTAHYDRO-, ENDO-EXO-

JZ79700. ENT 16,519 see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

JZ86200. ENT 18,060 see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

JZ87100. ENT 18,596 see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

JZ87460. ENT 18,870 see:UR59500 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-

JZ99600. ENT 19,442 see:WZ61250 TERPENE POLYCHLORINATES

KA04800. ENT 23,969 see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

KA14100. ENT 24915 see:SZ17500 PHOSPHINE OXIDE, TRIS(1-AZIRIDINYL)-

KA22750. ENT 25,296 see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

KA24500. ENT 25445 see:XZ38500 s-TRIAZOLE, 3-AMINO-

KA45500. ENT 25,719 see:PC82250 1,3,4-METHENO-1H-CYCLOBUTA(cd)PENTALENE, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-DODECACHLOROOCTAHYDRO-

KA64750. ENT 50439 see:YQ89250 URACIL, 5-(BIS(2-CHLOROETHYL)AMINO)-

KA89250. ENU see:YT31500 UREA, ETHYL NITROSO-

KA97500. EPAMIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

KA98000. EPANUTIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

KA98800. EPASMIR "5" see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

KB01750. EPC (the plant regulator) see:FD89250 CARBANILIC ACID, ETHYL ESTER

KB02000. EPDANTOINE SIMPLE see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

KB02250. EPELIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

KB37500. EPICHLOORHYDRINE (Dutch) see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

KB38000. EPICHLORHYDRIN (German) see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

KB38500. EPICHLORHYDRIN see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

KB39000. EPICHLORHYDRINE (French) see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

KB39500. EPICLORIDRINA (Italian) see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

KB40250. alpha-EPICHLOROHYDRIN see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

KB40750. EPICHLOROHYDRYNA (Polish) see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

KB42000. EPICHLOROPHYDRIN see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

KB45500. 3,17-EPIDIHYDROXYESTRATRIENE see:KG29750 ESTRADIOL

KB49600. EPIDORM see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

KB50400. EPIFENYL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

KB51800. EPIHYDAN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

KB54250. EPIHYDRINALDEHYDE see:MB31500 GLYCIDALDEHYDE

KB59770. EPILAN-D see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

KB60040. EPILANTIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

KB60850. EPINAT see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

KC09800. EPISED see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

KC15750. EPODYL see:XP07000 4,7,10,13-TETRAOXAHEXADECANE, 1,2:15,16-DIEPOXY-

KC35500. EPOXIDE-201 see:RN77000 7-OXABICYCLO(4.1.0)HEPTANE-3-CARBOXILIC ACID, 4-METHYL-, (4-METHYL-7-OXABICYCLO(4.1.0) HEPT-3-YL)METHYL ESTER

KC43750. 1,2-EPOXYBUTENE-3 see:EM73500 1-BUTENE,3,4-EPOXY

KC45500. 3,4-EPOXY-1-BUTENE see:EM73500 1-BUTENE,3,4-EPOXY

KC47250. 2,3-EPOXYBUTYRIC ACID, ETHYL ESTER see:ET08750 BUTYRIC ACID,2,3-EPOXY,ETHYL ESTER

KC48000. 1,2-EPOXYBUTYRONITRILE see:ET99000 BUTYRONITRILE, 1,2-EPOXY-

KC50500. 5-alpha,6-alpha-EPOXY-3-beta-CHOLESTANOL see:FZ88500 CHOLESTAN-3-beta-OL, 5-alpha,6-alpha-EPOXY-

KC61250. 5,6-EPOXY-5,6-DIHYDROBENZ(a)ANTHRACENE see:CW49000 BENZ(a)ANTHRACENE, 5,6-EPOXY-5,6-DIHYDRO-

KC63000. 5,6-EPOXY-5,6-DIHYDROCHRYSENE see:GC12250 CHRYSENE, 5,6-EPOXY-5,6-DIHYDRO-

KC64750. 5,6-EPOXY-5,6-DIHYDRODIBENZ(a,h)ANTHRACENE see:HN47250 DIBENZ(a,h)ANTHRACENE, 5,6-EPOXY-5,6-DIHYDRO-

KC65400. 5,6-EPOXY-5,6-DIHYDRO-7-METHYLBENZ(a)ANTHRACENE see:CW50750 BENZ(a)ANTHRACENE, 5,6-EPOXY-5,6-DIHYDRO-7-METHYL-

KC66000. 11,12-EPOXY-11,12-DIHYDRO-3-METHYLCHOLANTHRENE see:FZ29750 CHOLANTHRENE, 11,12-DIHYDRO-11,12-EPOXY-3-METHYL-

KC68250. 1,3-EPOXY-2,2-DIMETHYLPROPANE see:TZ31500 PROPANE, 1,3-EPOXY-2,2-DIMETHYL-

KC70000. 1,2-EPOXYDODECANE see:JR24500 DODECANE, 1,2-EPOXY-

KC73500. 1,2-EPOXY-7,8-EPOXYOCTANE see:RG94500 OCTANE, 1,2:7,8-DIEPOXY-

KC75250. 4,5-EPOXY-2-(2,3-EPOXYPROPYL)VALERIC ACID, METHYL ESTER see:YV73500 VALERIC ACID, 4,5-EPOXY-2-(2,3-EPOXYPROPYL)-, METHYL ESTER

KC78700. EPOXYETHYLBENZENE see:CZ96250 BENZENE, (EPOXYETHYL)-

KC78750. 1,2-EPOXYETHYLBENZENE see:CZ96250 BENZENE, (EPOXYETHYL)-

KC84000. 3-(EPOXYETHYL)-7-OXABICYCLO(4.1.0)HEPTANE see:RN86400 7-OXABICYCLO(4.1.0)HEPTANE 1-(EPOXYETHYL)-

KC94500. 1,2-EPOXYHEXADECANE see:ML94500 HEXADECANE, 1,2-EPOXY-

KD07500. 3,4-EPOXY-6-METHYLCYCLOHEXENECARBOXYLIC ACID (3,4-EPOXY-6-METHYLCYCLOHEXYLMETHYL) ESTER see:RN77000 7-OXABICYCLO(4.1.0)HEPTANE-3-CARBOXILIC ACID, 4-METHYL-, (4-METHYL-7-OXABICYCLO(4.1.0) HEPT-3-YL)METHYL ESTER

KD08000. 3,4-EPOXY-6-METHYLCYCLOHEXYLMETHYL 3,4-EPOXY-6-METHYLCYCLOHEXANECARBOXYLATE see:RN77000 7-OXABICYCLO(4.1.0)HEPTANE-3-CARBOXILIC ACID, 4-METHYL-, (4-METHYL-7-OXABICYCLO(4.1.0) HEPT-3-YL)METHYL ESTER

KD08750. 4-(1,2-EPOXY-1-METHYLETHYL)-1-METEYL-7-OXABICYCLO(4.1.0)HEPTANE see:OS91000 p-MENTHANE, 1,2:8,9-DIEPOXY-

KD12250. 9,10-EPOXYOCTADECANOIC ACID, BUTYL ESTER see:RG15750 OCTADECANOIC ACID, 9,10-EPOXY-, BUTYL ESTER

KD14000. 1,2-EPOXYOCTANE see:RG96250 OCTANE, 1,2-EPOXY-

KD21000. 2,3-EPOXY-1-PROPANAL see:MB31500 GLYCIDALDEHYDE

KD44200. 9,10-EPOXYSTEARIC ACID see:RG13000 OCTADECANOIC ACID, 9,10-EPOXY-

KD45500. cis-9,10-EPOXYSTEARIC ACID see:RG13000 OCTADECANOIC ACID, 9,10-EPOXY-

KD47250. EPOXYSTYRENE see:CZ96250 BENZENE, (EPOXYETHYL)-

KD50750. 3,4-EPOXYSULFOLANE see:RP38500 6-OXA-3-THIABICYCLO(3.1.0)HEXANE 3,3-DIOXIDE

KD56000. EPRAZIN see:UQ22750 PYRAZINECARBOXAMIDE

KD59500. EPTAC 1 see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

KD60300. EPTAL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

KD65600. EPTOIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

KD71750. EQUILENIN, BENZOATE
CAS: 000604580 MW: 370.22 MOLFM: O3-C25-H22
WLN: L E5 B666 FVTT&&J E OOVR
TXDS: scu-mus TDLo:148 mg/kg/37WI TFX:CAR YJBMAU 12,213,39

KD75250. EQUILIN see:KG66500 ESTRA-1,3,5(10),7-TETRAEN-17-ONE, 3-HYDROXY-

KD78750. EQUILIN, BENZOATE
CAS: 006030804 MW: 372.49 MOLFM: O3-C25-H24
WLN: L E5 B666 FV JUTTT&J E OGVR
TXDS: scu-mus TDLo:148 mg/kg/37WI TFX:CAR YJBMAU 12,213,39

KD80270. ERALON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

KD82250. ERAMIN see:MS10500 HISTAMINE

KD84000. ERASOL see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

KE03500. ERGAMINE see:MS10500 HISTAMINE

KF05250. ERGASEPTINE see:WO84000 SULFANILAMIDE

KE85750. ERGOTIDINE see:MS10500 HISTAMINE

KE94500. ERIOGLAUCINE see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

KE96250. ERIOGLAUCINE A see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

KE98000. ERIOGLAUCINE E see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

KE99000. ERIO GREEN S see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

KF12250. ERTUBAN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

KF17500. ERYSIPAN see:WO84000 SULFANILAMIDE

KF21000. ERYTHRITOL ANHYDRIDE see:EJ87500 BUTANE, 1,2:3,4-DIEPOXY-, meso-

KF22750. ERYTHRITOL, 1,2:3,4-DIANHYDRO- see:EJ87500 BUTANE, 1,2:3,4-DIEPOXY-, meso-

KF62900. ESANITRODIFENILAMINA (Italian) see:JJ92750 DIPHENYLAMINE, 2,2',4,4',6,6'-HEXANITRO-

KF87500. ESKABARB see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

KG08750. ESTEED see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KG14000. ESTIGYN see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KG15750. ESTILBIN "MCO" see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

KG17500. ESTINYL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KG21000. ESTONATE see:KJ33250
ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

KG22500. ESTON-B see:KG40500 ESTRADIOL, 3-BENZOATE

KG22750. ESTON-E see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KG26250. ESTORAL [ORION] see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KG28000. ESTORALS see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KG29750. ESTRADIOL
CAS: 000050282 MW: 272.42 MOLFM: O2-C18-H24
WLN: L E5 B666TTT&J E FQ OQ
SYN: ALTRAD * BARDIOL * DIHYDROFOLLICULAR HORMONE * DIHYDROFOLLICULIN * DIHYDROMENFORMON * DIHYDROTHEELIN * 3,17-beta-DIHYDROXY-1,3,5(10)-ESTRATRIENE * DIHYDROXYESTRIN * 3,17-beta-DIHYDROXYOESTRA-1,3,5-TRIENE * 3,17-beta-DIHYDROXY-1,3,5(10)-OESTRATRIENE * DIHYDROXYOESTRIN * DIMENFORMON PROLONGATUM * DIOGYN * DIOGYNETS * 3,17-EPIDIHYDROXYESTRATRIENE * 3,17-EPIDIHYDROXYOESTRATRIENE * alpha-ESTRADIOL * beta-ESTRADIOL * 17-beta-ESTRADIOL * D-3,17-beta-ESTRADIOL * cis-ESTRADIOL * d-ESTRADIOL * ESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL * 17-beta-ESTRA-1,3,5(10)-TRIENE-3,17-DIOL * 1,3,5-ESTRATRIENE-3,17-beta-DIOL * ESTRALDINE * ESTROVITE * FEMESTRAL * FEMOGEN * GYNERGON * GYNOESTRYL * LANDIOL * MACRODIOL * NORDICOL * NSC-9895 * OESTERGON * OESTRADIOL * alpha-OESTRADIOL * beta-OESTRADIOL * cis-OESTRADIOL * d-OESTRADIOL * D-3,17-beta-OESTRADIOL * OESTRADIOL-17-beta * OESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL * 17-beta-OESTRA-1,3,5(10)-TRIENE-3,17-DIOL * OESTROGLANDOL * 17-beta-OH-ESTRADIOL * 17-beta-OH-OESTRADIOL * OVAHORMON * OVASTEROL * OVASTEVOL * OVOCYCLIN * OVOCYCLINE * OVOCYLIN * PRIMOFOL * PROFOLIOL * PROGYNON * PROGYNON-DH * SYNDIOL * THEELIN, DIHYDRO- *
TXDS: imp-rat TDLo:400 mg/kg TFX:NEO PDCR** -,305,62
unk-rat TDLo:32 mg/kg/(12-19D preg) TFX:TER A JANA2 67,305,40
par-mus TDLo:30 mg/kg/(11-16D preg) TFX:TER P SEBAA 97,809,58
imp-gpg TDLo:1200 ug/kg TFX:NEO RCBIAS 3,108,44
imp-ham TDLo:332 mg/kg/41WI TFX:CAR NCIMAV 1,59,59

KG31300. alpha-ESTRADIOL see:KG29750 ESTRADIOL

KG33250. beta-ESTRADIOL see:KG29750 ESTRADIOL

KG35000. cis-ESTRADIOL see:KG29750 ESTRADIOL

KG36750. d-ESTRADIOL see:KG29750 ESTRADIOL

KG37500. 17-alpha-ESTRADIOL
CAS: 000057910 MW: 272.42 MOLFM: O2-C18-H24
WLN: L E5 B666TTT&J E FQ OQ -A&P -B&EO
TXDS: imp-gpg TDLo:3 mg/kg TFX:NEO RBBIAL 5,1,45

KG38500. 17-beta-ESTRADIOL see:KG29750 ESTRADIOL

KG39000. D-3,17-beta-ESTRADIOL see:KG29750 ESTRADIOL

KG40250. ESTRADIOL BENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

KG40500. ESTRADIOL, 3-BENZOATE
CAS: 000050500 MW: 376.53 MOLFM: O3-C25-H28
WLN: L E5 B666TTT&J E FQ OOVR
SYN: BENOVOCYLIN * BENZHORMOVARINE * BENZOESTROFOL * BENZOFOLINE * BENZOGYNOESTRYL * DE GRAAFINA * DIFFOLLISTEROL * DIFOLLICULINE * DIHYDROESTRIN BENZOATE * DIHYDROFOLLICULIN BENZOATE * DIMENFORMON BENZOATE * DIMENFORMONE * DIOGYN B * EBZ * ESTON-B * ESTRADIOL BENZOATE * ESTRADIOL-17beta BENZOATE * ESTRADIOL-17beta 3-BENZOATE * beta-ESTRADIOL 3-BENZOATE * 17beta-ESTRADIOL BENZOATE * ESTRADIOL MONOBENZOATE * 17beta-ESTRADIOL MONOBENZOATE * ESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL, 3-BENZOATE * FEMESTRONE * FOLLICORMON * FOLLIDRIN * GRAAFINA * GYNECORMONE * HIDROESTRON * HORMOGYNON * HYDROXYESTRIN BENZOATE * MEE * OESTRADIOL BENZOATE * OESTRADIOL MONOBENZOATE * OESTROFORM * OVASTEROL-B * OVEX * OVOCYCLIN M * OVOCYCLIN BENZOATE * OVOCYCLIN-MB * PRIMOGYN B * PRIMOGYN I * PROGYNON B * PROGYNON BENZOATE * RECTHORMONE OESTRADIOL * SOLESTRO * UNISTRADIOL *
TXDS: scu-mus TDLo:11 mg/kg/8WI TFX:CAR YJBBAU 12,213,39
scu-gpg TDLo:1 mg/kg/9WI TFX:CAR CRSSAF 130,9,39
imp-gpg TDLo:39 mg/kg TFX:NEO RCBIAS 3,108,44

KG40700. ESTRADIOL-17beta BENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

KG40800. ESTRADIOL-17beta 3-BENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

KG40900. 17beta-ESTRADIOL BENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

KG41000. ESTRADIOL, 17-BENZOATE-3-n-BUTYRATE
MW: 446.63 MOLFM: O4-C29-H34
SYN: ESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL, 17-BENZOATE-3-n-BUTYRATE *
TXDS: scu-gpg TDLo:6600 ug/kg/87DI TFX:NEO CRSBAW 130,1466,39

KG41900. ESTRADIOL BENZOATE mixed with PROGESTERONE (1:14 moles) see:KG42000 ESTRADIOL, 3-BENZOATE mixed with PROGESTERONE (1:14 moles)

KG42000. ESTRADIOL, 3-BENZOATE mixed with PROGESTERONE (1:14 moles)
SYN: ESTRADIOL BENZOATE mixed with PROGESTERONE (1:14 moles) * ESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL, 3-BENZOATE mixed with PROGESTERONE (1:14 moles) * PROGESTERONE mixed with ESTRADIOL BENZOATE (14:1 moles) * PROGESTERONE mixed with ESTRADIOL, 3-BENZOATE (14:1 moles) * PROGESTERONE mixed with ESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL 3-BENZOATE (14:1 moles) *
TXDS: scu-mus TDLo:338 mg/kg/39WI TFX:NEO YJBMAU 12,213,39

KG45500. ESTRADIOL, 17-CAPRYLATE
MW: 398.64 MOLFM: O3-C26-H38
WLN: L E5 B666TTT&J E POV7 OQ
SYN: ESTRA-1,3,5(10)-TRIENE-3,17beta-DIOL 17-OCTANOATE *
TXDS: scu-gpg TDLo:4800 ug/kg/74DI TFX:NEO RCHMA2 3,121,40
imp-gpg TDLo:38 mg/kg TFX:NEO RCBIAS 3,108,44

KG47250. ESTRADIOL, DIPROPIONATE
CAS: 000113382 MW: 384.32 MOLFM: O4-C24-H32
WLN: L E5 B666TTT&J E POV2 OOV2
SYN: AGOFOLLIN * DIMENFORMON DIPROPIONATE * DIOVOCYLIN * ESTRADIOL 3,17-DIPROPIONATE * beta-ESTRADIOL DIPROPIONATE * beta-ESTRADIOL 3,17-DIPROPIONATE * 3,17-beta-ESTRADIOL DIPROPIONATE * 17beta-ESTRADIOL DIPROPIONATE * 1,3,5(10)-ESTRATRIENE-3,17-beta-DIOL DIPROPIONATE * OESTRADIOL-3,17-DIPROPIONATE * OVOCYCLIN DIPROPIONATE * OVOCYCLIN-P * PROGYNON-DP *
TXDS: scu-mus TDLo:54 mg/kg/27WI TFX:CAR YJBMAU 12,213,39
imp-gpg TDLo:3 mg/kg TFX:NEO RCBIAS 3,108,44

KG49000. ESTRADIOL 3,17-DIPROPIONATE see:KG47250 ESTRADIOL, DIPROPIONATE

KG50750. beta-ESTRADIOL DIPROPIONATE see:KG47250 ESTRADIOL, DIPROPIONATE

KG52500. beta-ESTRADIOL 3,17-DIPROPIONATE see:KG47250 ESTRADIO, DIPROPIONATE

KG53400. 17beta-ESTRADIOL DIPROPIONATE see:KG47250 ESTRADIOL, DIPROPIONATE

KG54250. 3,17-beta-ESTRADIOL DIPROPIONATE see:KG47250 ESTRADIOL, DIPROPIONATE

KG56000. ESTRADIOL, 17-ETHYNYL- see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KG57750. ESTRADIOL MONOBENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

KG57880. 17beta-ESTRADIOL MONOBENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

KG59500. ESTRALDINE see:KG29750 ESTRADIOL

KG60000. alpha-ESTRA-1,3,5,7,9-PENTAEN-3,17-DIOL
MW: 267.37 MOLFM: O2-C18-H19
TXDS: imp-gpg TDLo:20 mg/kg TFX:NEO RBBIAL 5,1,45

KG60250. beta-ESTRA-1,3,5,7,9-PENTAEN-3,17-DIOL
MW: 267.37 MOLFM: O2-C18-H19
TXDS: imp-gpg TDLo:24 mg/kg TFX:NEO RBBIAL 5,1,45

KG64750. 1,3,5,7-ESTRATETRAEN-3-OL-17-ONE see:KG66500 ESTRA-1,3,5(10),7-TETRAEN-17-ONE, 3-HYDROXY-

KG66500. ESTRA-1,3,5(10),7-TETRAEN-17-ONE, 3-HYDROXY-
CAS: 000474862 MW: 268.20 MOLFM: O2-C18-H20
WLN: L E5 B666 FV JUTTT&J E OQ
SYN: EQUILIN * 1,3,5,7-ESTRATETRAEN-3-OL-17-ONE * 3-HYDROXYESTRA-1,3,5(10),7-TETRAEN-17-ONE *
TXDS: scu-mus TDLo:168 mg/kg/42WI TFX:CAR YJBMAU 12,213,39

KG68250. ESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL see:KG29750 ESTRADIOL

KG70000. 1,3,5-ESTRATRIENE-3,17-beta-DIOL see:KG29750 ESTRADIOL

KG71000. ESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL, 3-BENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

KG72000. 17-beta-ESTRA-1,3,5(10)-TRIENE-3,17-DIOL see:KG29750 ESTRADIOL BENZOATE-3-n-BUTYRATE

KG73500. 1,3,5(10)-ESTRATRIENE-3,17beta-DIOL DIPROPIONATE see:KG47250 ESTRADIOL, DIPROPIONATE

KG75250. ESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL, 17-alpha-ETHYNYL- see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KG76100. ESTRA-1,3,5(10)-TRIENE-3,17beta-DIOL 17-OCTANOATE see:KG45500 ESTRADIOL, 17-CAPRYLATE

KG77000. ESTRA-1,3,5(10)-TRIENE-3,16-alpha, 17-beta-TRIOL see:KG82250 ESTRIOL

KG77150. 1,3,5-ESTRATRIENE-3-beta,16-alpha,17-beta-TRIOL see:KG82250 ESTRIOL

KG77300. (16-alpha,17-beta)-ESTRA-1,3,5(10)-TRIENE-3,16,17-TRIOL see:KG82250 ESTRIOL

KG77400. 1,3,5(10)-ESTRATRIEN-3-OL-17-ONE see:KG85750 ESTRONE

KG77500. ESTRA-1,3,5(10)-TRIEN-17-ONE, 3-HYDROXY- see:KG85750 ESTRONE

KG78000. ESTRA-1,3,5(10)-TRIETNE-3,17-beta-DIOL, 3-BENZOATE mixed with PROGESTERONE (1:14 moles)
see:KG42000 ESTRADIOL, 3-BENZOATE mixed with PROGESTERONE (1:14 moles)

KG78750. ESTRATRIOL see:KG82250 ESTRIOL

KG80500. ESTREPTOCIDA see:WO84000 SULFANILAMIDE

KG82250. ESTRIOL
CAS: 000050271 MW: 288.24 MOLFM: O3-C18-H24
WLN: L E5 B666TTT&J E FQ GQ OQ
SYN: DESTRIOL * ESTRA-1,3,5(10)-TRIENE-3,16-alpha, 17-beta-TRIOL * 1,3,5-ESTRATRIENE-3-beta,16-alpha,17-beta-TRIOL * (16-alpha,17-beta)-ESTRA-1,3,5(10)-TRIENE-3,16,17-TRIOL * 3,16-alpha,17-beta-ESTRIOL * ESTRATRIOL * FOLLICULAR HORMONE HYDRATE * 16-alpha-HYDROXYESTRADIOL * 16-alpha-HYDROXYOESTRADIOL * OE3 * OESTRA-1,3,5(10)-TRIENE-3,16-alpha,17-beta-TRIOL * 1,3,5-OESTRATRIENE-3-beta,16-alpha,17-beta-TRIOL * (16-alpha,17-beta)-OESTRA-1,3,5(10)-TRIENE-3,16,17-TRIOL * OESTRATRIOL * OESTRIOL * 16-alpha,17-beta-OESTRIOL * OVESTIN * THEELOL * THULOL * TRIDESTRIN * 3,16-alpha,17-beta-TRIHYDROXYESTRA-1,3,5(10)-TRIENE * 3,16-alpha,17-beta-TRIHYDROXY-DELTA-1,3,5-ESTRATRIENE * TRIHYDROXYESTRIN * 3,16-alpha,17-beta-TRIHYDROXY-DELTA-1,3,5-OESTRATRIENE *
TXDS: imp-ham TDLo:100 mg/kg TFX:CAR NCIMAV 1,1,59

KG83000. 3,16-alpha,17-beta-ESTRIOL see:KG82250 ESTRIOL

KG84750. ESTROL see:KG85750 ESTRONE

KG85750. ESTRONE
CAS: 000053167 MW: 270.22 MOLFM: O2-C18-H22
WLN: L E5 B666 FVTTT&J E OQ
SYN: AQUACRINE * CHINOVARYL * CRISTALLOVAR * CRYSTOGEN * DESTRONE * DISYNFORMON * ENDOFOLLICULINA * 1,3,5(10)-ESTRATRIEN-3-OL-17-ONE * ESTRA-1,3,5(10)-TRIEN-17-ONE, 3-HYDROXY- * ESTROL * ESTRONE-A * ESTRUGENONE * ESTRUSOL * FEMESTRONE INJECTION * FEMIDYN * FOLIKRIN * FOLIPEX * FOLISAN * FOLLESTRINE * FOLLICULAR HORMONE * FOLLICULIN * FOLLICUNODIS * FOLLIDRIN * GLANDUBOLIN * HIESTRONE * HORMOFOLLIN * HORMOVARINE * 3-HYDROXYESTRA-1,3,5(10)-TRIEN-17-ONE * 3-HYDROXY-17-KETO-ESTRA-1,3,5-TRIENE * KESTRONE * KETODESTRIN * KETOHYDROXYESTRIN * KOLPON * MENAGEN * MENFORMON * OESTRIN * OESTROFORM * OESTRONE * OESTROPEROS * OVEX * OVIFOLLIN * PERLATAN * SOLLICULIN * THEELIN * THELESTRIN * THELYKININ * THYNESTRON * UNDEN * WYNESTRON *
TXDS: imp-rat TDLo:72 mg/kg TFX:NEO CNREA8 13,147,53
par-mus TDLo:30 mg/kg/(11-16D preg) TFX:TER PSEBAA 97,809,58
imp-gpg TDLo:2 mg/kg TFX:NEO RBBIAL 5,1,45
imp-ham TDLo:100 mg/kg TFX:CAR NCIMAV 1,1,59

KG86000. ESTRONE-A see:KG85750 ESTRONE

KG87500. ESTRONE, BENZOATE
CAS: 002393535 MW: 374.26 MOLFM: O3-C25-H26
WLN: L E5 B666 FVTTT&J E OOVR
TXDS: scu-rat TDLo:40 mg/kg/87WI TFX:CAR CRSSAF 137,325,43
scu-mus TDLo:0.04 mg/kg/WC TFX:NEO ZEKBAI 56,482,49

KG89250. ESTROSYN see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha-DIETHYL-

KG91000. ESTROVITE see:KG29750 ESTRADIOL

KG91500. ESTRUGENONE see:KG85750 ESTRONE

KG92000. ESTRUSOL see:KG85750 ESTRONE

KH10100. ETANOLO (Italian) see:KQ63000 ETHYL ALCOHOL

KH13000. ETH see:ES70000 BUTYRIC ACID, 2-AMINO-4-(ETHYLTHIO)-, DL-

KH19250. ETHANAMIDE see:AB40250 ACETAMIDE

KH35000. 1,2-ETHANDIOL see:KW29750 ETHYLENE GLYCOL

KH42000. ETHANE, AZOXY-
CAS: 016301261
SYN: AZOXYETHANE *
TXDS: scu-rat LD50:240 mg/kg XENO** 3,271,73
scu-rat TDLo:10 mg/kg/37W TPX:CAR XENO** 3,271,73
ivn-rat TDLo:50 mg/kg (15th D of preg) TPX:TER EXPEAM 24,561,68

KI07000. ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-
CAS: 000072548 MW: 320.04 MOLFM: C14-C14-H10
WLN: GYGYR DG&R DG
SYN: 1,1-BIS(p-CHLOROPHENYL)-2,2-DICHLOROETHANE * 1,1-BIS(4-CHLOROPHENYL)-2,2-DICHLOROETHANE * 2,2-BIS(p-CHLOROPHENYL)-1,1-DICHLOROETHANE * 2,2-BIS(4-CHLOROPHENYL)-1,1-DICHLOROETHANE * DDD * p,p'-DDD * 1,1-DICHLOOR-2,2-BIS(4-CHLOOR FENYL)-ETHAAN (Dutch) * 1,1-DICHLOR-2,2-BIS(4-CHLOR-PHENYL)-AETHAN (German) * 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)ETHANE * 1,1-DICHLORO-2,2-BIS(4-CHLOROPHENYL)-ETHANE (French) * 1,1-DICHLORO-2,2-BIS(PARACHLOROPHENYL)ETHANE * 1,1-DICHLORO-2,2-DI(4-CHLOROPHENYL)ETHANE * DICHLORODIPHENYL DICHLOROETHANE * 1,1-DICLORO-2,2-BIS(4-CLORO-FENIL)-ETANO (Italian) * p,p'-DICHLORODIPHENYLDICHLOROETHANE * DILENE * ENT 4,225 * ME-1,700 * RHOTHANE * RHOTHANE D-3 * ROTHANE * TDE * p,p'-TDE * TETRACHLORODIPHENYLETHANE *
TXDS: orl-hmn LDLo:5000 mg/kg 12VXA5 8,351,68
orl-rat LD50:113 mg/kg GUCHAZ 6,154,73
orl-rat TDLo:10 gm/kg/50WC TPX:NEO BUCABS 52,89,65
orl-mus LDLo:600 mg/kg JPETAB 88,400,46
orl-mus TDLo:39 gm/kg/110WC TPX:NEO JNCIAM 52,883,74
skn-rbt LD50:1200 mg/kg AFDOAQ 16,3,52

KI19250. 1,2-ETHANEDIOL see:KW29750 ETHYLENE GLYCOL

KI21000. ETHANE-1,2-DIOL see:KW29750 ETHYLENE GLYCOL

KI59500 ETHANE, 1,1'-OXYBIS(2-CHLORO- see:KW08750 ETHER, BIS(2-CHLOROETHYL)-

KJ33250. ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-
CAS: 000050293 MW: 354.48 MOLFM: C15-C14-H9
WLN: GXGG YR DG&R DG
SYN: ANOPEX * alpha,alpha-BIS(p-CHLOROPHENYL)-beta,beta,beta-TRICHLORETHANE * 2,2-BIS(p-CHLOROPHENYL)-1,1,1-TRICHLOROETHANE * CHLOROPHENOTHANE * DDT * p,p'-DDT * DICHLORODIPHENYLTRICHLOROETHANE * p,p p,p'-DICHLORODIPHENYLTRICHLOROETHANE * 4,4'-DICHLORODIPHENYLTRICHLOROETHANE * DICOPHANE * ENT 1,506 * ESTONATE * GENITOX * GESAROL * NEOCID * PENTACHLORIN * PENTECH * SANTOBANE * 1,1,1-TRICHLOOR-2,2-BIS(4-CHLOOR FENYL)-ETHAAN (Dutch) * 1,1,1-TRICHLOR-2,2-BIS(4-CHLOR-PHENYL)-AETHAN (German) * TRICHLOROBIS(4-CHLOROPHENYL)ETHANE * 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)ETHANE * 1,1,1-TRICHLORO-2,2-DI(4-CHLOROPHENYL)-ETHANE * 1,1,1-TRICLORO-2,2-BIS(4-CLORO-FENIL)-ETANO (Italian) * ZERDANE *
TXDS: orl-hmn TDLo:16 mg/kg TPX:CNS DTLVS*
orl-rat LD50:113 mg/kg TXAPA9 2,88,60
orl-rat TDLo:100 mg/kg TPX:MUT FCTXAV 11,53,73
skn-rat LD50:2500 mg/kg WRPCA2 9,119,70
ipr-rat LDLo:940 mg/kg TXAPA9 1,156,59
ivn-rat LDLo:30 mg/kg JPETAB 86,213,46
orl-mus LD50:135 mg/kg FEPRA7 12,368,53
orl-mus TDLo:73 mg/kg/26WC TPX:CAR FCTXAV 7,215,69
ipr-mus LD50:280 mg/kg BECTA6 8,245,72
ivn-dog LDLo:75 mg/kg JPETAB 86,213,46
ivn-mky LDLo:50 mg/kg JPETAB 86,213,46
orl-cat LDLo:250 mg/kg JPETAB 86,213,46
ivn-cat LDLo:40 mg/kg JPETAB 86,213,46
orl-rbt LD50:250 mg/kg PCOC** -,347,66
ivn-rbt LDLo:50 mg/kg JPETAB 86,213,46
orl-gpg LDLo:224 mg/kg NATUAS 82,152,44
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 1 mg/m3(skin) FEREAC 37,22139,72

KJ50750. ETHANOL see:KQ63000 ETHYL ALCOHOL

KK12250. ETHANOL, 2-CHLORO-, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL SULFITE see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

KK13100. ETHANOL, 2-CHLORO-, ESTER WITH 2-(p-tert-BUTYLPHENOXY)-1-METHYLETHYL SULFITE see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

KK79000. ETHANOL, 2-(N-(2-(2,3-EPOXYPROPOXY)ETHYL)ANILINO)-
MW: 237.33 MOLFM: N-O3-C13-H19
SYN: MONOGLYCIDYL ETHER of N-PHENYLDIETHANOLAMINE *
TXDS: scu-mus TDLo:21 gm/kg/YI TPX:NEO FCTXAV 4,365,66

KL03500. ETHANOL, 2-(ETHYLNITROSAMINO)-
CAS: 013147256 MW: 118.16 MOLFM: N2-O2-C4-H10
WLN: Q2N26NO

SYN: AETHYL-AETHANOL-NITROSOAMIN (German) * 2-(ETHYLNITROSAMINO)ETHANOL * N-NITROSOETHYLETHANOLAMINE *
TXDS: orl-rat TDLo:1850 mg/kg/53WI TFX:NEO ARZNAD 19,1077,69

KL28000. ETHANOL, 2-HYDRAZINO-
CAS: 000109842 MW: 76.12 MOLFM: N2-O-C2-H8
WLN: ZN2Q
SYN: BOH * 2-HYDRAZINOETHANOL * HYDROXYETHYL HYDRAZINE * bet beta-HYDROXYETHYLHYDRAZINE * N-(2-HYDROXYETHYL)HYDRAZINE *
TXDS: orl-mus TDLo:572 mg/kg/78WIC TFX:CAR JNCIAM 42,1101,69

KL31500. ETHANOL, 2,2'-IMINODI-, compd. with 1,2-DIHYDRO-3,6-PYRIDAZINEDIONE (1:1) see:UB54250
3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-, compd. with 2,2'-IMINODIETHANOL (1:1)

KM22750. ETHANOL 200 PROOF see:KQ63000 ETHYL ALCOHOL

KM42000. ETHANOL, 2,2,2-TRICHLORO-, CARBAMATE see:FD17500 CARBAMIC ACID, 2,2,2-TRICHLOROETHYL ESTER

KM96250. ETHER, BIS(4-AMINO-3-CHLOROPHENYL)
MW: 269.14 MOLFM: N2-O-C12-C12-H10
WLN: ZR BG DOR DZ CG
SYN: BIS(4-AMINO-3-CHLOROPHENYL) ETHER * 3,3'-DICHLORO-4,4'-DIAMINODIPHENYL ETHER *
TXDS: scu-rat TDLo:11 gm/kg/27WI TFX:CAR NATWAY 57,676,70

KN07000. ETHER, BIS(1-CHLOROETHYL)
MW: 143.02 MOLFM: O-C12-C4-H8
SYN: BIS(alpha-CHLOROETHYL) ETHER *
TXDS: scu-mus TDLo:2400 mg/kg/60WI TFX:NEO JNCIAM 48,1431,72

KN08750. ETHER, BIS(2-CHLOROETHYL)
CAS: 000111444 MW: 143.02 MOLFM: O-C12-C4-H8
WLN: G202G
SYN: BIS(beta-CHLOROETHYL) ETHER * BIS(2-CHLOROETHYL) ETHER * CHLOREX * 1-CHLORO-2-(beta-CHLOROETHOXY)ETHANE * CLOREX * DCEE * 2,2 2,2'-DICHLOOETHYLETHER (Dutch) * 2,2'-DICHLOR-DIAETHYLAETHER (German) * DICHLOROETHYL ETHER * 2,2'-DICHLORETHYL ETHER * beta,bet beta,beta-DICHLORODIETHYL ETHER * DI(2-CHLOROETHYL) ETHER * sym-DICHLOROETHYL ETHER * 2,2'-DICHLOROETHYL ETHER * ENT 4,504 * 2,2'-DICLOROETILETERE (Italian) * DWUCHLORODWUETYLOWY ETER (Polish) * ETHANE, 1,1'-OXYBIS(2-CHLORO- * ETHER DICHLORE (French) * OXYDE DE CHLORETHYLE (French) *
TXDS: orl-rat LD50:75 mg/kg JIHTAB 30,63,48
ihl-rat LCLo:1000 ppm/45M JIHTAB 30,63,48
orl-mus TDLo:33 gm/kg/79WIC TFX:CAR JNCIAM 42,1101,69
skn-gpg LD50:300 mg/kg JIHTAB 30,63,48
U.S. OCCUPATIONAL STANDARD USOS-air:CL15 ppm(skin) FEREAC 37,22139,72

KN15750. ETHER,BIS(CHLOROMETHYL)
CAS: 000542881 MW: 114.96 MOLFM: O-C12-C2-H4
WLN: G101G
SYN: BIS(CHLOROMETHYL) ETHER * BIS-CME * BCME * CHLOROMETHYL ETHER * sym-DICHLOROMETHYL ETHER *
TXDS: orl-rat LD50: 210 mg/kg AIHAAP 30,470,69
ihl-rat LCLo:8 ppm/4H AIHAAP 30,470,69
ihl-rat TDLo:100 ppb/6H/20WI TFX:CAR AEHLAU 23,135,71
scu-rat TDLo:135 mg/kg/58DI TFX:CAR JNCIAM 43,481,69
ihl-mus LC50:25 mg/m3/6H AEHLAU 22,663,71
skn-mus TDLo:5520 mg/kg/23WI TFX:NEO JNCIAM 43,481,69
skn-rbt LD50:280 mg/kg AIHAAP 30,470,69
U.S. OCCUPATIONAL STANDARD USOS-carcinogen FEREAC 39,3756,74

KN23500. ETHER, BIS(2,3-EPOXYPROPYL)
CAS: 002238075 MW: 130.16 MOLFM: O3-C6-H10
WLN: T3OTJ B1 2O
SYN: DGE * DI(2,3-EPOXY)PROPYL ETHER * DIGLYCIDYL ETHER * ETHER, DIGLYCIDYL *
TXDS: orl-rat LD50:450 mg/kg AMIHAB 14,250,56
ihl-rat LC50:200 ppm/8H AMIHAB 14,250,56
orl-mus LD50:170 mg/kg AMIHAB 14,250,56
ihl-mus LC50:30 ppm/4H AMIHAB 14,250,56
ihl-mus TDLo:3905 mg/kg TFX:NEO RARSAM 3,193,63
skn-rbt LD50:1500 mg/kg AMIHAB 14,250,56
U.S. OCCUPATIONAL STANDARD USOS-air:CL 0.5 ppm FEREAC 37,22139,72

KN66500. ETHER, CHLOROMETHYL METHYL
CAS: 000107302 MW: 80.52 MOLFM: O-C1-C2-H5
WLN: G1O1
SYN: CHLORDIMETHYLETHER (Czech) * CHLOROMETHYL METHYL ETHER * CMME * ETHER METHYLIQUE MONOCHLORE (French) * METHYLCHLOROMETHYL ETHER *

TXDS: orl-rat LD50:817 mg/kg 28ZPAK -,84,72
ihl-mus TCLo:6 mg/m3/101DI TFX:NEO AEHLAU 22,663,71
scu-mus TDLo:312 mg/kg/26W TFX:CAR JNCIAM 46,143,71
U.S. OCCUPATIONAL STANDARD OSOS-carcinogen FEREAC 39,3756,74

KN78000. ETHER DICHLORE (French) see:KN08750 ETHER, BIS(2-CHLOROETHYL)-

KN85750. ETHER, DIGLYCIDYL see:KN23500 ETHER, BIS(2,3-EPOXYPROPYL)

KO20000. ETHER METHYLIQUE MONOCHLORE (French) see:KN66500 ETHER, CHLOROMETHYL METHYL

KO49000. ETHIDOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KO50750. ETHINORAL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KO52000. 17-alpha-ETHINYL-DELTA(sup 1,3,5(10))OESTRATRIENE-3,17-beta-DIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KO52500. 17-alpha-ETHINYL-3,17-DIHYDROXY-DELTA(sup 1,3,5)-ESTRATRIENE see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KO54100. ETHINYL ESTRADIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KO54250. 17-alpha-ETHINYLESTRADIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KO56000. 17-ETHINYL-3,17-ESTRADIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KO56500. ETHINYLESTRADIOL 3-METHYL ETHER see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN 20-YN-17-OL, 3-METHOXY-

KO57000. 17-alpha-ETHINYL ESTRADIOL 3-METHYL ETHER see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

KO57750. 17-alpha-ETHINYLESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KO58800. ETHINYLOESTRADIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KO59000. ETHINYLOESTRADIOL 3-METHYL ETHER see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

KO59100. 17-ETHINYL-3,17-OESTRADIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KO59230. 17-alpha-ETHINYL OESTRADIOL 3-METHYL ETHER see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

KO59400. 17-alpha-ETHINYLOESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

KO64750. ETHIONAMIDE see:NS03500 ISONICOTINAMIDE,2-ETHYLTHIO

KO66500. ETHIONINE see:ES68250 BUTYRIC ACID, 2-AMINO-4-(ETHYLTHIO)-

KO68250. ETHIONINE, DL- see:ES70000 BUTYRIC ACID, 2-AMINO-4-(ETHYLTHIO)-, DL-

KO70000. (+-)-ETHIONINE see:ES70000 BUTYRIC ACID, 2-AMINO-4-(ETHYLTHIO)-, DL-

KO71750. DL-ETHIONINE see:ES70000 BUTYRIC ACID, 2-AMINO-4-(ETHYLTHIO)-, DL-

KP80500. ETHOXYFORMIC ANHYDRIDE see:PF98000 CARBONIC ACID, DIETHYL ESTER

KP92750. 10-ETHOXYMETHYL-1,2-BENZANTHRACENE
TXDS: skn-mus TDLo:120 mg/kg/WI TFX:NEO PRLBA4 129,439,40

KP94500. 7-ETHOXY-12-METHYLBENZ(a)ANTHRACENE see:CW56000 BENZ(a)ANTHRACENE, 7-ETHOXY-12-METHYL-

KP95350. 10-ETHOXYMETHYL-1:2-BENZANTHRACENE see:CW54250 BENZ(a)ANTHRACENE, 7-(ETHOXYMETHYL)-

KQ12250. N-ETHOXY-MORPHOLINODIAZENIUM FLUOROBORATE see:HM31500 DIAZENIUM, N-ETHOXY-N'-MORPHOLINO-, FLUOROBORATE

KQ22750. p-ETHOXYPHENYLUREA see:YT22750 UREA, (p-ETHOXYPHENYL)-

KQ24500. 4-ETHOXYPHENYLUREA see:YT22750 UREA, (p-ETHOXYPHENYL)-

KQ62000. ETHYLALCOHOL (Dutch) see:KQ63000 ETHYL ALCOHOL

KQ63000. ETHYL ALCOHOL
CAS: 000064175 MW: 46.08 MOLFM: O-C2-H6
WLN: Q2
SYN: ALKOHOL (German) * ABSOLUTE ETHANOL * AETHANOL (German) * AETHYLALKOHOL (German) * ALCOHOL, ANHYDROUS * ALCOHOL DEHYDRATED * ALCOOL ETHYLIQUE (French) * ALCOOL ETILICO (Italian) * ALGRAIN * ANHYDROL * COLOGNE SPIRIT * ETHANOL * ETANOLO (Italian) * ETHANOL 200 PROOF * ETHYLALCOHOL (Dutch) * ETHYL ALCOHOL ANHYDROUS * ETHYL HYDRATE * ETHYL HYDROXIDE * ETYLOWY ALKOHOL (Polish) * FERMENTATION ALCOHOL * GRAIN ALCOHOL * JAYSOL S * METHYLCARBINOL * MOLASSES ALCOHOL * POTATO ALCOHOL * SPIRT * SPIRITS OF WINE * TECSOL *

TXDS: orl-chd LDLo:2000 mg/kg	ATXKA8	17,183,58
orl-hmn LDLo:6000 mg/kg	ZGMOBE	33,44,40
orl-man TDLo:50 mg/kg TFX:GIT	JPETAB	56,117,36
ipr-rat LDLo:1225 mg/kg	TXAPA9	1,156,59
ivn-rat LD50:1440 mg/kg	TXAPA9	18,60,71
orl-mus LDLo:220 mg/kg	AEPPAE	135,118,28
orl-mus TDLo:2770 gm/kg/79WI TFX:NEO	ZIETA2	59,203,28
scu-mus LD50:8285 mg/kg	JPPGAR	30,364,32
ivn-mus LD50:1973 mg/kg	27ZRAJ	1,130,56
rec-mus TDLo:548 gm/kg/78WI TFX:CAR	ZIETA2	59,203,28
orl-dog LDLo:5500 mg/kg	27ZRAJ	1,130,56
ipr-dog LDLo:3000 mg/kg	BJIMAG	1,207,44
scu-dog LDLo:5000 mg/kg	27ZRAJ	1,130,56
ivn-dog LDLo:1600 mg/kg	TXAPA9	18,60,71
orl-cat LDLo:6000 mg/kg	JPETAB	56,117,36
orl-rbt LD50:6300 mg/kg	27ZRAJ	1,130,56
ipr-rbt LD100:3500 mg/kg	MRCSAB	80,-,53
ivn-rbt LDLo:5000 mg/kg	JPETAB	56,117,36
orl-gpg LD50:5560 mg/kg	JIHTAB	23,259,41
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 1000 ppm	FEREAC	37,22139,72

KQ64750. ETHYL ALCOHOL ANHYDROUS see:KQ63000 ETHYL ALCOHOL

KR82250. ETHYLAMINE, 2-IMIDAZOL-4-YL- see:MS10500 HISTAMINE

KR94500. ETHYLAMINE, N-NITROSODI- see:IA35000 DIETHYLAMINE, N-NITROSO-

KS52500. 10-ETHYL-1,2-BENZANTHRACENE see:CW57750 BENZ(a)ANTHRACENE, 7-ETHYL-

KS53700. 5-ETHYL-1,2-BENZANTHRACENE see:CW58500 BENZ(a)ANTHRACENE, 8-ETHYL-

KS64750. 2-ETHYL-3:4-BENZPHENANTHRENE see:DI85750 BENZO(c)PHENANTHRENE, 5-ETHYL-

KS81600. ETHYL BROMOACETATE see:AF60000 ACETIC ACID, BROMO-, ETHYL ESTER

KT10500. ETHYL-n-BUTYLNITROSAMINE see:EO50750 BUTYLAMINE, N-ETHYL-N-NITROSO-

KT10600. ETHYL-t-BUTYLNITROSOAMINE see:EO51000 t-BUTYLAMINE, N-ETHYL-N-NITROSO-

KT12250. alpha-ETHYL-beta-s-BUTYL-STILBENE see:WJ66500 STILBENE, alpha-ETHYL-alpha'-s-BUTYL-

KT26250. ETHYLCARBAMIC ACID, ETHYL ESTER see:FA91000 CARBAMIC ACID, ETHYL-, ETHYL ESTER

KT29750. ETHYL CARBANILATE see:FD89250 CARBANILIC ACID, ETHYL ESTER

KT34200. ETHYL CARBONATE see:FF98000 CARBONIC ACID, DIETHYL ESTER

KT58500. 3-ETHYLCHOLANTHRENE see:PZ36000 CHOLANTHRENE, 3-ETHYL-

KT59700. 20-ETHYLCHOLANTHRENE see:PZ36000 CHOLANTHRENE, 3-ETHYL-

KT91000. 1'-ETHYL-1,2,5,6-DIBENZACRIDINE
MW: 307.41 MOLFM: N-C23-H17
WLN: T G6 D6 B666 CNJ K2
TXDS: scu-mus TDLo:60 mg/kg/12WI TFX:NEO BAPEAG 42,186,55

KT92750. 1'-ETHYL-3,4,5,6-DIBENZACRIDINE
MW: 307.41 MOLFM: N-C23-H17
WLN: T E6 D6 B666 NNJ F2
TXDS: skn-mus TDLo:72 mg/kg/WC TFX:NEO BAPEAG 42,186,55

KU01750. ETHYL 4,4'-DICHLOROBENZILATE see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

KU03500. ETHYL p,p'-DICHLOROBENZILATE see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

KU05250. ETHYL 4,4'-DICHLORODIPHENYL GLYCOLLATE see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

KU08750. ETHYL 4,4'-DICHLOROPHENYL GLYCOLLATE see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

KU10500. 4'-ETHYL-N,N-DIETHYL-4-AMINOAZOBENZENE see:BY01750 ANILINE, 4'-ETHYL-N,N-DIETHYL-p-(PHENYLAZO)-

KU14000. ETHYL N,N-DIETHYL CARBAMATE see:EZ69000 CARBAMIC ACID, DIETHYL-, ETHYL ESTER

KU15750. 4'-ETHYL-N,N-DIETHYL-p-(PHENYLAZO)ANILINE see:BY01750 ANILINE, 4'-ETHYL-N,N-DIETHYL-p-(PHENYLAZO)-

KU28000. 3'-ETHYL-4-DIMETHYLAMINOAZOBENZENE see:BY05250 ANILINE, p-((m-ETHYLPHENYL)AZO)-N,N-DIMETHYL-

KU29750. 4'-ETHYL-4-DIMETHYLAMINOAZOBENZENE see:BY07000 ANILINE, p-((p-ETHYLPHENYL)AZO)-N,N-DIMETHYL-

KU37600. ETHYL N,N-DIMETHYL CARBAMATE see:FA12250 CARBAMIC ACID, DIMETHYL-, ETHYL ESTER

KU38500. 4'-ETHYL-N,N-DIMETHYL-4-(PHENYLAZO)-m-TOLUIDINE see:XU64750 m-TOLUIDINE, 4'-ETHYL-N,N-DIMETHYL-4-(PHENYLAZO)-

KU52200. ETHYLEENIMINE (Dutch) see:KX50750 ETHYLENIMINE

KU57750. ETHYLENE ALCOHOL see:KW29750 ETHYLENE GLYCOL

KU73500. ETHYLENEBISDITHIOCARBAMATE MANGANESE see:OP07000 MANGANESE, (ETEYLENEBIS(DITHIOCARBAMATO))-

KU74200. N,N'-ETHYLENE BIS(DITHIOCARBAMATE MANGANEUX) (French) see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

KU74216. ETHYLENEBIS DITHIOCARBAMATE ZINC see:ZH33250 ZINC, (ETHYLENEBIS(DITHIOCARBAMATO))-

KU75250. ETHYLENEBIS(DITHIOCARBAMIC ACID) MANGANOUS SALT see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

KU77000. ETHYLENEBIS(DITHIOCARBAMIC ACID), ZINC SALT see:ZH33250 ZINC, (ETHYLENEBIS(DITHIOCARBAMATO)-

KU96250. ETHYLENE, CHLORO-
CAS: 000075014 MW: 62.50 MOLFM: C1-C2-H3
WLN: G1U1
SYN: CHLOROETHENE * CHLOROETHYLENE * CHLORURE DE VINYLE (French) * TROVIDUR * VINYL C MONOMER * VINILE (CLORURO DI) (Italian) * VINYLCHLORID (German) * VINYL CHLORIDE * VINYLE(CHLORURE DE) (French) * WINYLU CHLOREK (Polish) *
TXDS: ihl-hmn TCLo:20 ppm TFX:CVS GISAAA -,38,57
ihl-rat LCLo:250 ppm/4H/260DI TFX:CAR AANLAW 56,1,74
ihl-mus TCLo:250 ppm/35WI TFX:CAR ENVRAL 7,387,74
U.S. OCCUPATIONAL STANDARD OSOS-VINYL CHLORIDE:TWA 1 ppm; CL 5 ppm PEREAC 39,35890,74

KV03500. ETHYLENE, CHLORO- POLYMER
CAS: PM9002862 MOLFM: (C1-C2-H3)n
SYN: BREON * DECKOR * GEON * KOROSEAL * MARVINOL * POLYVINYL CHLORIDE * PVC * VINACORT * VINYLITE * VYBAK * ULTRON * WLEVIC *
TXDS: scu-rat TDLo:100 mg/kg TFX:NEO CNREA8 15,333,55

KV06000. ETHYLENE, CHLOROTRIS(p-METHOXYPHENYL)-
CAS: 000569573 MW: 380.89 MOLFM: O3-C1-C23-H21
WLN: 1OR DYGUYR DO1&R DO1
SYN: CHLOROTRIANISENE * CHLOROTRIS(p-METHOXYPHENYL)ETHYLENE * TACE * TRI-p-ANISYLCHLOROETHYLENE * TRIS(p-METHOXYPHENY)CHLOROETHYLENE *
TXDS: scu-mus TDLo:180 mg/kg/89WI TFX:NEO ARPAAQ 50,750,50

KV36750. ETHYLENEDIAMINE, N,N'-DIETHYL-N,N'-DINITROSO-
CAS: 007346147 MW: 174.24 MOLFM: N4-O2-C6-H14
WLN: ONN2&2 22
SYN: N,N'-DIETHYL-N,N'-DINITROSOETHYLENEDIAMINE * N,N'-DINITROSO-N,N N,N'-DINITROSO-N,N'-DIETHYLETHYLENEDIAMINE * NSC 62579 *
TXDS: orl-rat TDLo:12 mg/kg/YI TFX:CAR JNCIAM 41,985,68

KV43750. ETHYLENEDIAMINE, N,N'-DIMETHYL-N,N'-DINITROSO-
CAS: 013256127 MW: 98.14 MOLFM: N4-O2-C4-H10
SYN: DIMETHYL-DI-NITROSO-AETHYLENDIAMIN (German) * N,N'-DIMETHYL-N,N N,N'-DIMETHYL-N,N'-DINITROSOETHYLENEDIAMINE *
TXDS: orl-rat LD50:150 mg/kg NATWAY 50,100,63
orl-rat TDLo:590 mg/kg/81WI TFX:CAR ARZNAD 19,1077,69

KV94500. ETHYLENE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-
CAS: 000072559 MW: 318.02 MOLFM: C14-C14-H8
WLN: GYGUYR DG&R DG
SYN: p,p'-DDE * 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)ETHYLENE *

TXDS: orl-rat LD50: 880 mg/kg TXAPA9 14,515,69
orl-mus LDLo:200 mg/kg JPETAB 88,400,46
orl-mus TDLo:28 gm/kg/80WC TPX:NEO JNCIAM 52,883,74
ipr-mus LDLo:256 mg/kg CBCCT* 1,108,49

KW10500. ETHYLENE DIHYDRATE see:KW29750 ETHYLENE GLYCOL

KW29750. ETHYLENE GLYCOL
CAS: 000107211 MW: 62.06 MOLFM: O2-C2-H6
WLN: Q2Q
SYN: 1,2-DIHYDROXYETHANE * 1,2-ETHANDIOL * 1,2-ETHANEDIOL * ETHANE-1,2-DIOL * ETHYLENE ALCOHOL * ETHYLENE DIHYDRATE * GLYCOL * GLYCOL ALCOHOL * LUTROL-9 * MACROGOL 400 BPC * MONOETHYLENE GLYCOL * TESCOL *
TXDS: orl-hmn LDLo:1500 mg/kg 29ZWAE -,372,68
skn-mus TDLo:4 gm/kg TPX:NEO BJCAAI 9,453,55
scu-mus LDLo:2700 mg/kg BJIMAG 1,207,44
orl-cat LD50:2000 mg/kg JIHTAB 21,173,39
orl-gpg LD50:6610 mg/kg JIHTAB 23,259,41

KW38620. ETHYLENE GLYCOL, CYCLIC SULFATE see:JH48000 1,3,2-DIOXATHIOLANE, 2,2-DIOXIDE

KX15750. ETHYLENEIMINE see:KX50750 ETHYLENIMINE

KX30300. 1-ETHYLENEOXY-3,4-EPOXYCYCLOHEXANE see:RN86400 7-OXABICYCLO(4.1.0)HEPTANE 1-(EPOXYETHYL)-

KX34550. ETHYLENE SULFATE see:JH48000 1,3,2-DIOXATHIOLANE, 2,2-DIOXIDE

KX40250. ETHYLENE, TETRAFLUORO-, POLYMER
CAS: 000359115 MOLFM: (F4-C2)n
SYN: FLUON * FLUOROFEX * POLYTETRAFLUOROETHYLENE * TEFLON *
TXDS: scu-rat TDLo:80 mg/kg TPX:NEO CNREA8 15,333,55

KX42000. ETHYLENE THIOUREA see:NI96250 2-IMIDAZOLIDINETHIONE

KX42100. N,N'-ETHYLENETHIOUREA see:NI96250 2-IMIDAZOLIDINETHIONE

KX50750. ETHYLENIMINE
CAS: 000151564 MW: 43.08 MOLFM: N-C2-H5
WLN: T3NTJ
SYN: AETHYLENIMIN (German) * AMINOETHYLENE * AZACYCLOPROPANE * AZIRIDIN (German) * AZIRIDINE * AZIRANE * 1H-AZIRINE, DIHYDRO- * DIHYDROAZIRENE * DIMETHYLENEIMINE * DIMETHYLENIMINE * EI * ETHYLEENIMINE (Dutch) * ETHYLENEIMINE * ETHYLIMINE * ETILENIMINA (Italian) *
TXDS: orl-rat LD50:15 mg/kg JIHTAB 23,259,41
ihl-rat LCLo:25 ppm/8H JIHTAB 30,2,48
ipr-rat LD50:3800 ug/kg BCPCA6 14,915,65
scu-rat TDLo:20 mg/kg/67DI TPX:CAR BJPCBM 9,306,54
orl-mus TDLo:235 mg/kg/76WC TPX:CAR JNCIAM 42,1101,69
ihl-mus LC50:2236 ppm/10M JIHTAB 30,7,48
unk-mus LD50:15 mg/kg BJCAAI 6,160,52
ihl-gpg LCLo:25 ppm/8H JIHTAB 30,2,48
skn-gpg LD50:14 mg/kg JIHTAB 30,63,48
U.S. OCCUPATIONAL STANDARD USOS-carcinogen FEREAC 39,3756,74
USOS-air:TWA 1 mg/m3 (skin) FEREAC 37,22139,72

KX66500. ETHYL-2,3-EPOXYBUTYRATE see:ET08750 BUTYRIC ACID,2,3-EPOXY,ETHYL ESTER

KX70000. ETHYL ESTER of 3-METHYLCHOLANTHRENE-endo-alpha,beta-SUCCINO GLYCINE see:AI05250 ACETIC ACID, 1,2,13,14,17-HEXAHYDRO-3-METHYL-14-16-DIOXO-6,12b(3',4')-endo-PYRROLOBENZ(j)ACEANTHRYLENE-15(6H)-, ETHYL ESTER

KX82250. ETHYL-N-ETHYL CARBAMATE see:FA91000 CARBAMIC ACID, ETHYL-, ETHYL ESTER

KX94500. 5-ETHYL-2(5H)-FURANONE see:LU42000 2(5H)-FURANONE, 5-ETHYL-

KY78750. ETHYL HYDRATE see:KQ63000 ETHYL ALCOHOL

KY85750. ETHYL HYDROXIDE see:KQ63000 ETHYL ALCOHOL

KY86200. 4'-ETHYL-4-HYDROXYAZOBENZENE see:SL44500 PHENOL, p-(4-ETHYLPHENYLAZO)-

KY94500. ETHYL-2-HYDROXY-2,2-BIS(4-CHLOROPHENYL)ACETATE see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

KY96250. ETHYL N-HYDROXYCARBAMATE see:FB17500 CARBAMIC ACID, HYDROXY-, ETHYL ESTER

KZ01750. 1-ETHYL-7-HYDROXY-2-METHYL-1,2,3,4,4a,9,10,10a-OCTAHYDROPHENANTHRENE-2-CARBOXYLIC ACID see:VS31500 16,17-SECOESTRA-1,3,5(10)-TRIEN-17-OIC ACID, 3-HYDROXY-

KZ12250. N,N'-ETHYLIDENEBIS(ETHYL CARBAMATE) see:PA87500 CARBAMIC ACID, ETHYL ESTER, ETHYLIDENEBIS(-

KZ19250. 5-ETHYLIDENEDIHYDRO-2(3H)-FURANONE see:LU45500 2(3H)FURANONE, 5-ETHYLIDENEDIHYDRO-

KZ21000. ETHYLIDENE DIURETHAN see:PA87500 CARBAMIC ACID, ETHYL ESTER, ETHYLIDENEBIS(-

KZ22750. ETHYLIDENE-2(5H)-FURANONE see:LU43750 2(5H)-FURANONE, ETHYLIDENE-

KZ29750. ETHYLIMINE see:KX50750 ETHYLENIMINE

KZ45450. ETHYLISOPROPYLNITROSOAMINE see:IA34000 DIETHYLAMINE, 1-METHYL-N-NITROSO-

KZ45500. ETHYLISOPROPYLNITROSOAMINE see:IA34000 DIETHYLAMINE, 1-METHYL-N-NITROSO-

KZ92750. ETHYL METHANESULFONATE see:PB21000 METHANESULFONIC ACID, ETHYL ESTER

KZ94500. ETHYL METHANESULPHONATE see:PB21000 METHANESULFONIC ACID, ETHYL ESTER

LA04000. p-ETHYLMETHYLAMINOAZOBENZENE see:BY04300 ANILINE, N-ETHYL-N-METHYL-p-(PHENYLAZO)-

LA04500. 4-ETHYLMETHYLAMINOAZOBENZENE see:BY04300 ANILINE, N-ETHYL-N-METHYL-p-(PHENYLAZO)-

LA05250. 4-((((4-ETHYL-4-METHYL)AMINO)PHENYL)AZO)PYRIDINE 1-OXIDE see:UT33250 PYRIDINE, 4-((((4-ETHYL-4-METHYL)AMINO)PHENYL)AZO)-, 1-OXIDE

LA07000. 7-ETHYL-12-METHYLBENZ(a)ANTHRACENE see:CW61250 BENZ(a)ANTHRACENE, 7-ETHYL-12-METHYL-

LA08750. 12-ETHYL-7-METHYLBENZ(a)ANTHRACENE see:CW63000 BENZ(a)ANTHRACENE, 12-ETHYL-7-METHYL-

LA09900. ETHYL p-METHYL BENZENESULFONATE see:XT68250 p-TOLUENESULFONIC ACID, ETHYL ESTER

LA24500. ETHYL-N-METHYL CARBAMATE see:FC26250 CARBAMIC ACID, METHYL-, ETHYL ESTER

LA26250. 4'-ETHYL-2-METHYL-4-DIMETHYLAMINOAZOBENZENE see:XU64750 m-TOLUIDINE, 4'-ETHYL-N,N-DIMETHYL-4-(PHENYLAZO)-

LA48000. N-ETHYL-N-METHYL-p-(PHENYLAZO)ANILINE see:BY04300 ANILINE, N-ETHYL-N-METHYL-p-(PHENYLAZO)-

LB14000. N-ETHYL-N'-NITRO-N-NITROSOGUANIDINE see:MP22750 GUANIDINE, 1-ETHYL-3-NITRO-3-NITROSO-

LB40250. 2-(ETHYLNITROSAMINO)ETHANOL see:KL03500 ETHANOL, 2-(ETHYLNITROSAMINO)-

LB42000. 4-((ETHYLNITROSAMINO)METHYL)PYRIDINE see:UT36750 PYRIDINE, 4-((ETHYLNITROSAMINO)METHYL)-

LB43750. ETHYLNITROSOBIURET see:EC17500 BIURET, 1-ETHYL-1-NITROSO-

LB45500. N-ETHYL-N-NITROSOBIURET see:EC17500 BIURET, 1-ETHYL-1-NITROSO-

LB47250. N-ETHYL-N-NITROSOBUTYLAMINE see:EO50750 BUTYLAMINE, N-ETHYL-N-NITROSO-

LB49000. ETHYLNITROSOCARBAMIC ACID, ETHYL ESTER see:PB03500 CARBAMIC ACID, ETHYLNITROSO-, ETHYL ESTER

LE50750. N-ETHYL-N-NITROSO-N'-NITROGUANIDINE see:MP22750 GUANIDINE, 1-ETHYL-3-NITRO-3-NITROSO-

LB52500. ETHYLNITROSOUREA see:YT31500 UREA, ETHYL NITROSO-

LB54250. N-ETHYL-N-NITROSO-UREA see:YT31500 UREA, ETHYL NITROSO-

LB56000. 1-ETHYL-1-NITROSOUREA see:YT31500 UREA,ETHYL NITROSO

LB57750. N-ETHYL-N-NITROSOURETHAN see:PB03500 CARBAMIC ACID, ETHYLNITROSO-, ETHYL ESTER

LB59500. N-ETHYL-N-NITROSOVINYLAMINE see:YZ07000 VINYLAMINE, N-ETHYL-N-NITROSO-

LB73500. 1-ETHYL-1,2,3,4,4a,9,10,10a-OCTAHYDRO-7-HYDROXY-2-METHYL-2-PHENANTHRENECARBOXYLIC ACID see:VS31500 16,17-SECOESTRA-1,3,5(10)-TRIEN-17-OIC ACID, 3-HYDROXY-

LB94500. p-((p-ETHYLPHENYL)AZO)-N,N-DIMETHYLANILINE see:BY07000 ANILINE, p-((p-ETHYLPHENYL)AZO)-N,N-DIMETHYL-

LB96250. 5-ETHYL-5-PHENYLBARBITURIC ACID see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

LC01750. ETHYL-N-PHENYLCARBAMATE see:FD89250 CARBANILIC ACID, ETHYL ESTER

LC50750. ETHYL N-n-PROPYLCARBAMATE see:FD10500 CARBAMIC ACID, PROPYL-, ETHYL ESTER

LC56900. ETHYL PTS see:XT68250 p-TOLUENESULFONIC ACID, ETHYL ESTER

LC64750. ETHYL SELENAC see:VT07000 SELENIUM, TETRAKIS(DIETHYLDITHIOCARBAMATO)-

LC70000. ETHYL SULFATE see:WS78750 SULFURIC ACID, DIETHYL ESTER

LC75250. ETHYLSULFONAL see:EJ52500 BUTANE, 2,2-BIS(ETHYLSULFONYL)-

LC78000. 4-(ETHYLSULFONYL)-1-NAPHTHALENESULFONAMIDE see:WR10500 SULFONAMIDE, 4-(ETHYLSULFONYL)-1-NAPHTHALENE-

LC78750. 4-ETHYLSULFONYLNAPHTHALENE-1-SULFONAMIDE see:WR10500 SULFONAMIDE, 4-(ETHYLSULFONYL)-1-NAPHTHALENE

LC80000. 4-ETHYLSULFONYL-1-NAPHTHALENESULFONAMIDE see:WR10500 SULFONAMIDE, 4-(ETHYLSULFONYL)-1-NAPHTHALENE

LC83000. 4-ETHYLSULPHONYLNAPHTHALENE-1-SULFONAMIDE see:WR10500 SULFONAMIDE, 4-(ETHYLSULFONYL)-1-NAPHTHALENE-

LD08750. ETHYL THIOLCARBAMATE see:FD14000 CARBAMIC ACID, THIO-, S-ETHYL ESTER

LD10500. ETHYL-N-THIOLCARBAMATE see:FD14000 CARBAMIC ACID, THIO-, S-ETHYL ESTER

LD19250. ETHYL-p-TOLUENESULFONATE see:XT68250 p-TOLUENESULFONIC ACID, ETHYL ESTER

LD25300. ETHYL p-TOSYLATE see:XT68250 p-TOLUENESULFONIC ACID, ETHYL ESTER

LD33250. 3-ETHYLTRICYCLOQUINAZOLINE
MW: 348.43 MOLFM: N4-C23-H16
TXDS: skn-mus TDLo:120 mg/kg/50WI TFX:CAR BCPCA6 14,323,65

LD42850. ETHYLUREA see:YT24500 UREA, ETHYL-

LD43750. ETHYLURETHAN see:FA84000 CARBAMIC ACID, ETHYL ESTER

LD45500. ETHYL URETHANE see:FA84000 CARBAMIC ACID, ETHYL ESTER

LD59500. ETHYL ZIMATE see:ZH33250 ZINC, (ETHYLENEBIS(DITHIOCARBAMATO)-

LD68250. 17-ETHYNYL-3,17-DIHYDROXY-1,3,5-OESTRATRIENE see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LD70000. 17-alpha-ETHYNYLESTRADIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LD71750. 17-alpha-ETHYNYLESTRADIOL-17-beta see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LD72470. ETHYNYLESTRADIOL 3-METHYL ETHER see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

LD73000. 17-alpha-ETHYNYLESTRADIOL 3-METHYL ETHER see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

LD73500. 17-alpha-ETHYNYLESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LD74300. (+)-17-alpha-ETHYNYL-17-beta-HYDROXY-3-METHOXY-1,3,5(10)-ESTRATRIENE see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

LD74600. (+)-17-alpha-ETHYNYL-17-beta-HYDROXY-3-METHOXY-1,3,5(10)-OESTRATRIENE see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

LD75000. 17-ETHYNYL-3-METHOXY-1,3,5(10)-ESTRATRIEN-17-beta-OL see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

LD75300. 17-alpha-ETHYNYL-3-METHOXY-17-beta-HYDROXY-DELTA-1,3,5(10)-ESTRATRIENE see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

LD75600. 17-ETHYNYL-3-METHOXY-1,3,5(10)-OESTRATIEN-17-beta-OL see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

LD76000. 17-ETHYNYLOESTRADIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LD76300. 17-alpha-ETHYNYLOESTRADIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LD76700. 17-alpha-ETHYNYL-17-beta-OESTRADIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LD77000. 17-alpha-ETHYNYLOESTRADIOL-17-beta see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LD77900. ETHYNYLOESTRADIOL 3-METHYL ETHER see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

LD78050. 17-alpha-ETHYNYLOESTRADIOL 3-METHYL ETHER see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

LD78200. 17-alpha-ETHYNYL-1,3,5-OESTRATRIENE-3,17-beta-DIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LD78550. 17-ETHYNYLOESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LD85750. ETICYCLIN see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LD87500. ETICYCLOL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LD89350. N,N'-ETILEN-BIS(DITIOCARBAMMATO) DI MANGANESE (Italian) see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

LD90100. ETILENIMINA (Italian) see:KX50750 ETHYLENIMINE

LD91000. ETILPEN see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

LD94500. ETINESTROL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LD96250. ETINESTRYL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LD98000. ETINOPSTRYL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LE05250. ETOGLUCID see:XF07000 4,7,10,13-TETRAOXAHEXADECANE, 1,2:15,16-DIEPOXY-

LE14700. ETU see:NI96250 2-IMIDAZOLIDINETHIONE

LE16700. ETYLOWY ALKOHOL (Polish) see:KQ63000 ETHYL ALCOHOL

LE17500. EUBASIN see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

LE18350. EUBASINUM see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

LE33250. EUFIN see:FF98000 CARBONIC ACID, DIETHYL ESTER

LE56000. EUNERYL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

LE59500. EUPHORIN see:FD89250 CARBANILIC ACID, ETHYL ESTER

LE67300. EUROCERT AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

LF70000. EUROCERT COCHINEAL RED A see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

LE71750. EUROCERT ORANGE FCF see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

LE93000. EVALON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

LF23900. FD and C VIOLET NO. 1 see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE-2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

LF35000. EXPANSIN see:LV26250 4H-FURO(3,2-c)PYRAN-2(6H)-ONE, 4-HYDROXY-

LF36750. EXPANSINE see:LV26250 4H-FURO(3,2-c)PYRAN-2(6H)-ONE, 4-HYDROXY-

LF50750. EXPERIMENTAL INSECTICIDE 7744 see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

LF59500. EXSICCATED FERROUS SULFATE see:WS91000 SULFURIC ACID, IRON(2+) SALT (1:1)

LF61250. EXSICCATED FERROUS SULPHATE see:WS91000 SULFURIC ACID, IRON(2+) SALT (1:1)

LF64100. EXT. D and C ORANGE NO. 3 see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

LF64750. EXT. D AND C ORANGE NO. 4 see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

LF65800. EXT. D AND C. RED. NO. 14 see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

LF65850. EXT. D and C RED No. 15 see:QJ66500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((2,4,5-TRIMETHYLPHENYL)AZO)-, DISODIUM SALT

LF66500. EXT. D AND C YELLOW NO. 9 see:SR43750 PHENYLAZO-2-NAPHTHYLAMINE

LF66550. EXT. D and C YELLOW NO. 10 see:QM50000 2-NAPHTHYLAMINE, 1-(o-TOLYLAZO)-

LF66800. EXTRA-PLEX see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

LF80500. F 1162 see:WO84000 SULFANILAMIDE

LF82250. 1162 F see:WO84000 SULFANILAMIDE

LF92750. 1399 F see:AE71750 ACETANILIDE, 4',4'''-SULFONYLBIS-

LF96250. 2-FAA see:AB94500 ACETAMIDE, N-FLUOREN-2-YL

LG13000. FANFT see:LQ31500 FORMAMIDE, N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)-

LG14000. FANNOFORM see:LP89250 FORMALDEHYDE
3-(ETHYLIMINO)-2,7-DIMETHYL-3H-XANTHEN-9-YL)-, ETHYL ESTER, MONOHYDROCHLORIDE

LG24500. FARTOX see:DA66500 BENZENE, PENTACHLORONITRO-

LG26200. FASCO WY-HOE see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

LG30250. FAST ACID VIOLET 5BN see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

LG31500. FAST BLUE B BASE see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

LG33250. FAST BLUE BN SALT see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

LG35000. FAST BLUE DSC BASE see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

LG36750. FAST BLUE DS SALT see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

LG38500. FAST BLUE SALT B see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

LG40250. FAST BLUE SALT BN see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

LG42000. FAST CORINTH BASE B see:DC96250 BENZIDINE

LG43750. FAST GARNET BASE B see:QM14000 1-NAPHTHYLAMINE

LG45500. FAST GARNET B BASE see:QM14000 1-NAPHTHYLAMINE

LG47250. FAST GARNET GBC BASE see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

LG50750. FAST GREEN FCF see:BQ44250 AMMONIUM, ETHYL(4-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)-PHENYL)-4-HYDROXY-3-SULFOBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE INNER SALT, DISODIUM SALT

LG57400. FAST OIL ORANGE I see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

LG57500. FAST OIL ORANGE II see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

LG57750. FAST OIL RED B see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

LG59500. FAST OIL YELLOW B see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

LG60200. FAST ORANGE see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

LH05250. FAST RED BB see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

LH52500. FAST SCARLET BASE B see:QM21000 2-NAPHTHYLAMINE

LH54250. FAST SPIRIT YELLOW see:BY82250 ANILINE, p-(PHENYLAZO)-

LH59500. FAST DARK BLUE BASE R see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

LH61250. FAST YELLOW AT see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

LH66500. FAT ORANGE II see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

LH67000. FAT ORANGE 4A see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

LH67300. FAT ORANGE G see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

LH67600. FAT ORANGE I see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

LH67900. FAT ORANGE R see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

LH68250. FAT ORANGE RR see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

LH69000. FAT ORANGE RS see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

LH70000. FAT PONCEAU R see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

LH71750. FAT RED B see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

LH73500. FAT RED 2B see:QL57750 2-NAPHTHOL, 1-((4-o-TOLYLAZO)o-TOLYL)AZO)-

LH74400. FAT RED 7B see:QM28500 2-NAPHTHYLAMINE, N-ETHYL-1-((p-(PHENYLAZO)PHENYL)AZO)-

LH75250. FAT RED BB see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

LH77000. FAT RED BS see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

LH78750. FAT RED TS see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

LH78850. FAT RED (YELLOWISH) see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

LH79000. FAT SCARLET 2G see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

LH80500. FAT YELLOW see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

LH82250. FAT YELLOW extra conc see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

LH84000. FAT YELLOW A see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

LH85750. FAT YELLOW AAB see:BY82250 ANILINE, p-(PHENYLAZO)-

LH87500. FAT YELLOW AD OO see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

LH91000. FAT YELLOW B see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

LH92750. FAT YELLOW ES see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

LH94500. FAT YELLOW ES EXTRA see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

LH96250. FAT YELLOW R see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

LI03500. FD AND C ACID RED 32 see:QL59500 2-NAPHTHOL, 1-(2,5-XYLYLAZO)-

LI05000. FD AND C BLUE NO. 1 see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

LI05120. FD+C BLUE 2 see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

LI05250. FD AND C BLUE No. 2 see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

LI07000. FD and C BLUE NO. 1-ALUMINIUM LAKE see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

LI10500. FD AND C GREEN NO. 1 see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

LI12250. FD AND C GREEN NO. 2 see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

LI14000. FD AND C GREEN NO. 3 see:BQ44250 AMMONIUM, ETHYL(4-(alpha-(p-(ETHYL(m-SULFOBENZYL)-AMINO)PHENYL)-4-HYDROXY-3-SULFOBENZYLDIENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE INNER SALT, DISODIUM SALT

LI15750. FD AND C GREEN NO. 2-ALUMINUM LAKE see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)

LI17500. FD AND C NO. 6 see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

LI18300. FD and C ORANGE NO. 1 see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

LI19250. FD AND C ORANGE NO. 2 see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

LI19320. FD and C RED No. 1 see:QJ66500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((2,4,5-TRIMETHYLPHENYL)AZO)-, DISODIUM SALT

LI19400. FD AND C RED NO. 2 see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISOLIUM SALT

LI21500. FD AND C RED NO. 4 see:QK27050 1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT

LI22750. FD AND C RED NO. 32 see:QL59500 2-NAPHTHOL, 1-(2,5-XYLYLAZO)-

LI22900. FD AND C RED NO. 2-ALUMINIUM LAKE see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

LI23400. FD and C VIOLET 1 see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

LI24500. FD AND C YELLOW 6 see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

LI26250. FD AND C YELLOW LAKE NO. 6 see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

LI28000. FD AND C YELLOW NO. 3 see:SR43750 PHENYLAZO-2-NAPHTHYLAMINE

LI28500. FD and C YELLOW NO. 4 see:QM50000 2-NAPHTHYLAMINE, 1-(o-TOLYLAZO)-

LI29750. FD AND C YELLOW NO. 6 see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

LI35000. F D+C BLUE 1 see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

LI46400. FELSULES see:FM87500 CHLORAL HYDRATE

LI47250. FEMESTRAL see:KG29750 ESTRADIOL

LI47700. FEMFSTRONE see:KG40500 ESTRADIOL, 3-BENZOATE

LI48100. FEMESTRONE INJECTION see:KG85750 ESTRONE

LI48500. FEMIDYN see:KG85750 ESTRONE

LI49000. FEMMA see:OV64750 MERCURY, (ACETATO)PHENYL-

LI50750. FEMOGEN see:KG29750 ESTRADIOL

LI64000. FENAMIN BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

LI65000. FENANTOIN see:MD10500 HYDANTOIN, 5,5-DIPHENYL-

LI68250. FENARSONE see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

LI77000. FENAZO BLUE XR see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

LI78750. FENAZO GREEN 7G see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

LI80500. FENAZO GREEN L see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

LI84000. FENAZO SCARLET 2R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

LI85750. FENAZO SCARLET 3R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

LJ05250. FENEMAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

LJ19800. FENIDANTOIN "S" see:MD10500 HYDANTOIN, 5,5-DIPHENYL-

LJ24000. FENITOINA see:MD10500 HYDANTOIN, 5,5-DIPHENYL-

LJ25800. FENOBARBITAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

LJ27500. FENOL (Dutch, Polish) see:SJ33250 PHENOL

LJ27650. FENOLO (Italian) see:SJ33250 PHENOL

LJ50800. FENTOIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

LJ51400. 1-FENYL-3,3-DIETHYLTRIAZEN (Czech) see:XY04500 TRIAZENE, 3,3-DIETHYL-1-PHENYL-

LJ51500. 1-FENYL-3,3-DIMETHYLTRIAZIN see:XY21000 TRIAZENE, 3,3-DIMETHYL-1-PHENYL-

LJ51550. FENYLEPSIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

LJ51700. FENYLMERCURIACETAT (Czech) see:OV64750 MERCURY, (ACETATO)PHENYL-

LJ55200. FENYTOINE see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

LJ55600. FENZEN (Czech) see:CY14000 BENZENE

LJ57750. FEOJECTIN see:NO77000 IRON OXIDE, SACCHARATED

LJ59500. FEOSOL see:WS91000 SULFURIC ACID, IRON(2+) SALT (1:1)

LJ63300. FERGON see:LZ51500 GLUCONIC ACID, IRON(2+) SALT (2:1)

LJ63600. FERGON PREPARATIONS see:LZ51500 GLUCONIC ACID, IRON(2+) SALT (2:1)

LJ63900. FERLUCON see:LZ51500 GLUCONIC ACID, IRON(2+) SALT (2:1)

LJ68250. FERMENTATION ALCOHOL see:KQ63000 ETHYL ALCOHOL

LJ80500. FERRALYN see:WS91000 SULFURIC ACID, IRON(2+) SALT (1:1)

LJ96250. FERRIC HYDROXIDE NITRILOTRIPROPIONIC ACID COMPLEX
TXDS: ivn-mus TDLo:45 mg/kg/3W TFX:CAR ONCOBS 19,239,65

LK01750. FERRIC OXIDE, SACCHARATED see:NO77000 IRON OXIDE, SACCHARATED

LK03500. FERRIC SACCHARATE ...IRON OXIDE (MIX.) see:NO77000 IRON OXIDE, SACCHARATED

LK05250. FERRIVENIN see:NO77000 IRON OXIDE, SACCHARATED

LK08750. FERRO LEMON YELLOW see:EV31500 CADMIUM SULFIDE

LK11300. FERRONICUM see:LZ51500 GLUCONIC ACID, IRON(2+) SALT (2:1)

LK12250. FERRO ORANGE YELLOW see:EV31500 CADMIUM SULFIDE

LK15750. FERRO YELLOW see:EV31500 CADMIUM SULFIDE

LK17500. FERRO-THERON see:WS91000 SULFURIC ACID, IRON(2+) SALT (1:1)

LK24000. FERROUS GLUCONATE see:LZ51500 GLUCONIC ACID, IRON(2+) SALT (2:1)

LK25000. FERROUS GLUTAMATE see:MA13000 GLUTAMIC ACID, IRON (2+) SALT (1:1)

LK26000. FERROUS LACTATE see:OD55250 LACTIC ACID, IRON(2H) SALT (2:1)

LK29750. FERROUS SULFATE see:WS91000 SULFURIC ACID, IRON(2+) SALT (1:1)

LK49250. FIMALENE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

LK65500. FLAGYL see:NI56000 IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-

LK80500. FLAVOLUTAN see:TW01750 PROGESTERONE

LL08750. FLECTOL H, POLYMER see:TQ26250 POLY(1,2-DIHYDRO-2,2,4-TRIMETHYLQUINOLINE)

LL34700. FLUON see:KX40250 ETHYLENE, TETRAFLUORO-, POLYMER

LL42000. FLUORANTHENE, 2,3-DIMETHYL-
MW: 229.31 MOLFM: C18-H14
SYN: 2,3-DIMETHYLFLUORANTHENE *
TXDS: skn-mus TDLo:40 mg/kg/20D TFX:NEO JNCIAM 49,1165,72

LL43750. FLUORANTHENE, 7,8-DIMETHYL-
MW: 229.31 MOLFM: C18-H14
SYN: 7,8-DIMETHYLFLUORANTHENE *
TXDS: skn-mus TDLo:40 mg/kg/20D TFX:NEO JNCIAM 49,1165,72

LL45500. FLUORANTHENE, 2-METHYL-
MW: 216.29 MOLFM: C17-H12
SYN: 2-METHYLFLUORANTHENE *
TXDS: skn-mus TDLo:624 mg/kg/52W TFX:CAR JNCIAM 49,1165,72

LL47250. FLUORANTHENE, 3-METHYL-
MW: 216.29 MOLFM: C17-H12
SYN: 3-METHYLFLUORANTHENE *
TXDS: skn-mus TDLo:40 mg/kg/20D TFX:NEO JNCIAM 49,1165,72

LL48100. N-FLUORANTHEN-3-YLACETAMIDE see:AB90000 ACETAMIDE, N-FLUORANTHEN-3-YL-

LL50750. FLUOREN-2-AMINE
CAS: 000153786 MW: 181.14 MOLFM: N-C13-H11
WLN: L B666J HHJ EZ
SYN: 2-AMINOFLUORENE * 2-FLUORENAMINE * 2-FLUORENEAMINE * FLUORENE, 2-AMINO- *
TXDS: orl-rat TDLo:3200 mg/kg/58WC TFX:CAR CNREA8 7,453,47
skn-rat TDLo:240 mg/kg/73WI TFX:CAR JNCIAM 10,1201,50
scu-rat TDLo:360 mg/kg/26WI TFX:NEO CNREA8 7,453,47
orl-mus TDLo:160 gm/kg/47WC TFX:CAR CNREA8 7,453,47
skn-mus TDLo:11 gm/kg/34W TFX:CAR BJCAAI 14,195,60

LL52500. FLUOREN-2-AMINE, N,N-DIMETHYL-
MW: 209.31 MOLFM: N-C15-H15
WLN: L B656 HHJ EN1&1
SYN: 2-DIMETHYLAMINO-FLUOREN (German) * N,N-DIMETHYL-2-AMINOFLUORENE *
TXDS: orl-rat TDLo:10 mg/kg/76W TFX:CAR JECHA3 221,845,56

LL54250. FLUOREN-2-AMINE, 1-METHOXY-, HYDROCHLORIDE
CAS: 006893249 MW: 184.28 MOLFM: N-O-C14-H13 .Cl-H
WLN: L B656 HHJ EZ PO1 &GH
SYN: 1-METHOXYFLUOREN-2-AMINE, HYDROCHLORIDE *
TXDS: orl-rat TDLo:3300 mg/kg/24WC TFX:CAR CNREA8 28,234,68

LL56000. FLUOREN-2-AMINE, N-METHYL-
MW: 237.18 MOLFM: N-O-C16-H15
SYN: N-MONOMETHYL-2-AMINOFLUORENE *
TXDS: orl-rat TDLo:1575 mg/kg TFX:CAR BJCAAI 6,89,52

LL56500. FLUOREN-2-AMINE, 1,3,7-TRIBROMO
MW: 417.95 MOLFM: N-Br3-C13-H8
SYN: 1,3,7-TRIBROMO-2-FLUORENAMINE *
TXDS: orl-rat TDLo:36 mg/kg/30DI TFX:NEO CNREA8 28,924,68

LL69800. FLUORENE-2,7-DIAMINE
CAS: 000525644 MW: 195.26 MOLFM: N2 C13 H11
WLN: L B656 HHJ EZ KZ
L B656 HRJ EZ KZ
SYN: 2,7-DIAMINOFLUORENE * 2,7-FLUORENEDIAMINE * 2,7-FLUOROENEDIAMINE *
TXDS: orl-rat LDLo:1000 mg/kg CNREA8 26,619,66
orl-rat TDLo:1000 mg/kg TFX:CAR CNREA8 26,619,74

LL70000. 2,7-FLUORENEDIAMINE see:LL69800 FLUORENE-2,7-DIAMINE

LL71750. FLUORENE, 2,7-DINITRO-
CAS: 005405538 MW: 256.23 MOLFM: N2-O4-C13-H8
WLN: L B656 HHJ ENW KNW
SYN: 2,7-DINITROFLUORENE *
TXDS: orl-rat TDLo:2700 mg/kg/17WC TFX:CAR CNREA8 22,1002,62

LL80500. FLUORENE, 2-NITRO- see:LL82250 9H-FLUORENE, 2-NITRO-

LL82250. 9H-FLUORENE, 2-NITRO-
CAS: 000607578 MW: 211.23 MOLFM: N-O2-C13-H9
WLN: L B656 HHJ ENW
SYN: FLUORENE, 2-NITRO- * 2-NITROFLUORENE *
TXDS: orl-rat TDLo:3000 mg/kg TFX:CAR CNREA8 7,730,47
skn-rat TDLo:276 mg/kg/38WI TFX:NEO JNCIAM 10,1201,50

LL84000. FLUORENE, 2-NITROSO-
CAS: 007292526 MW: 195.23 MOLFM: N-O-C13-H9
WLN: L B656 HRJ ENO
SYN: 2-NITROSOFLUORENE *
TXDS: ipr-rat TDLo:276 mg/kg/4W TFX:CAR CNREA8 30,1485,70
scu-rat TDLo:1600 mg/kg/8WI TFX:CAR PSEBAA 120,538,65

LL85750. 9-FLUORENONE see:LL89250 9H-FLUOREN-9-ONE

LL87500. FLUOREN-9-ONE see:LL89250 9H-FLUOREN-9-ONE

LL89250. 9H-FLUOREN-9-ONE
CAS: 000486259 MW: 180.21 MOLFM: O-C13-H8
WLN: L B656 HVJ
SYN: FLUOREN-9-ONE * 9-FLUORENONE *
TXDS: scu-rat TDLo:360 mg/kg/26WI TFX:NEO CNREA8 7,453,47

LL91000. FLUOREN-9-ONE, 2,4,7-TRINITRO-
CAS: 000129793 MW: 315.21 MOLFM: N3-O7-C13-H5
WLN: L B656 HVJ CNW ENW KNW
SYN: 2,4,7-TRINITROFLUOREN-9-ONE *
TXDS: orl-rat TDLo:1000 mg/kg TFX:NEO SCIEAS 137,257,62

LL92750. FLUORENO(9,1-gh)QUINOLINE
CAS: 000206008 MW: 253.31 MOLFM: N-C19-H11
WLN: T C65 R666 IA T ONJ
SYN: PYRIDO(3',2':3,4)FLUORANTHENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO COREAF 258,3387,64

LL93600. N-FLUOREN-4-YLACETAMIDE see:AB95300 ACETAMIDE, N-FLUOREN-4-YL-

LL94500. N-1-FLUORENYLACETAMIDE see:AB92750 ACETAMIDE, N-FLUOREN-1-YL-

LL96250. N-2-FLUORENYLACETAMIDE see:AB94500 ACETAMIDE, N-FLUOREN-2-YL

LL98000. N-FLUOREN-2-YLACETAMIDE see:AB94500 ACETAMIDE, N-FLUOREN-2-YL

LM03500. N-FLUOREN-1-YLACETOHYDROXAMIC ACID see:AK84000 ACETOHYDROXAMIC ACID, N-FLUOREN-1-YL-

LM05250. N-FLUOREN-3-YLACETOHYDROXAMIC ACID see:AK87500 ACETOHYDROXAMIC ACID, N-FLUOREN-3-YL-

LM07000. N-FLUOREN-2-YLACETOHYDROXAMIC ACID see:AK85750 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-

LM08750. N-FLUOREN-2-YLACETOHYDROXAMIC ACID, COPPER(2+) COMPLEX see:AK91000 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, COPPER(2+) COMPLEX

LM10500. N-FLUOREN-2-YLACETOHYDROXAMIC ACID, IRON(3+) COMPLEX see:AK94500 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, IRON(3+) COMPLEX

LM12250. N-FLUOREN-2-YLACETOHYDROXAMIC ACID, MANGANESE(2+) COMPLEX see:AK96250 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, MANGANESE(2+) COMPLEX

LM14000. N-FLUOREN-2-YLACETOHYDROXAMIC ACID, NICKEL(2+) COMPLEX see:AK98000 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, NICKEL(2+) COMPLEX

LM15750. N-FLUOREN-2-YLACETOHYDROXAMIC ACID, POTASSIUM SALT see:AL01750 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, POTASSIUM SALT

LM17500. N-FLUOREN-2-YLACETOHYDROXAMIC ACID, ZINC COMPLEX see:AL03500 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, ZINC COMPLEX

LM18200. N-FLUOREN-2-YLBENZAMIDE see:CV49500 BENZAMIDE, N-FLUOREN-2-YL-

LM19250. N-FLUOREN-1-YLBENZOHYDROXAMIC ACID see:DG01750 BENZOHYDROXAMIC ACID, N-FLUOREN-1-YL-

LM21000. N-FLUOREN-2-YLBENZOHYDROXAMIC ACID see:DG03500 BENZOHYDROXAMIC ACID, N-FLUOREN-2-YL-

LM22750. N-FLUOREN-2-YLBENZOHYDROXAMIC ACID, ACETATE see:DG05250 BENZOHYDROXAMIC ACID, N-FLUOREN-2-YL-, ACETATE

LM24500. N,N'-FLUOREN-2,7-YLBISACETAMIDE see:AB91000 ACETAMIDE, N,N'-9H-FLUORENE-2,7-DIYLBIS-

LM26250. N-FLUOREN-2-YLDIACETAMIDE see:AC03500 ACETAMIDE, N-FLUOREN-2-YLDI-

LM29750. N,N'-FLUOREN-2,5-YLENEBISACETAMIDE see:AC05250 ACETAMIDE, N,N'-FLUOREN-2,5-YLENEBIS-

LM31500. N,N'-FLUOREN-2,7-YLENEBISACETAMIDE see:AB91000 ACETAMIDE, N,N'-9H-FLUORENE-2,7-DIYLBIS-

LM33250. N,N'-(FLUOREN-2,7-YLENE)BIS(ACETYLAMINE) see:AB91000 ACETAMIDE, N,N'-9H-FLUORENE-2,7-DIYLBIS-

LM35000. N,N'-FLUOREN-2,7-YLENEBIS(TRIFLUOROACETAMIDE) see:AC08750 ACETAMIDE, N,N'-FLUOREN-2,7-YLENEBIS(TRIFLUORO-

LM36750. N-FLUOREN-2-YLFORMAMIDE see:LQ29750 FORMAMIDE, N-FLUOREN-2-YL-

LM38500. 3-FLUORENYLHYDROXYLAMINE see:NC36000 HYDROXYLAMINE, N-FLUOREN-3-YL-

LM40250. 2-FLUORENYLHYDROXYLAMINE see:NC35700 HYDROXYLAMINE, N-FLUOREN-2-YL-

LM42000. N-FLUOREN-2-YLHYDROXYLAMINE O-GLUCURONIDE
MW: 389.39 MOLFM: N-O8-C19-H19
SYN: N-2-FLUORENYLHYDROXYLAMINE O-GLUCURONIDE * HYDROXYLAMINE, N-FLUOREN-2-YL-O-GLUCURONIDE *
TXDS: scu-rat TDLo:900 mg/kg/9WI TFX:NEO CNREA8 31,1645,71

LM45500. N-(2-FLUORENYL)PHTHALAMIC ACID see:TH71750 PHTHALAMIC ACID, N-FLUOREN-2-YL-

LM47250. N-2-FLUORENYL-SUCCINAMIC ACID
MW: 281.33 MOLFM: N-O3-C17-H15
WLN: L B656 HHJ EMV2VQ
TXDS: orl-rat TDLo:6200 mg/kg/65WC TFX:CAR JNCIAM 24,149,60

LM49000. N-(2-FLUORENYL)-2,2,2-TRIFLUOROACETAMIDE see:AC10500
ACETAMIDE, N-FLUOREN-2-YL-2,2,2-TRIFLUORO-

LM54250. FLUORESCEIN, DISODIUM SALT
CAS: 000518478 MW: 298.30 MOLFM: O5-C20-H12 .2Na
WLN: T C666 BO EVJ TR BVQ& MO &-NA- 2
SYN: AIZEN URANINE * CALCOCID URANINE B4315 * 9-o-CARBOXYPHENYL-6-HYDROXY-3-ISOXANTHONE, DISODIUM SALT * CERTIQUAL FLUORESCEINE * C.I. ACID YELLOW 73 * C.I. 45350 DISODIUM SALT * C.I. 45350 SODIUM SALT * D AND C YELLOW No. 8 * DISODIUM 6-HYDROXY-3-OXO-9-XANTHENE-o-BENZOATE * FLUORESCEIN SODIUM * FLUORESCEIN SODIUM B.P * FURANIUM * HIDACID URANINE * RESORCINOL PHTHALEIN SODIUM * SODIUM FLUORESCEIN * SODIUM FLUORESCEINATE * SOLUBLE FLUORESCEIN * SOLUBLE FLUORESCEINE * URANIN * URANINE * URANINE O * URANINE A EXTRA * URANINE SS * URANINE USP XII * URANINE WSS * 11824 YELLOW * 12417 YELLOW *
TXDS: scu-rat TDLo:12 gm/kg/WC TFX:NEO GANNA2 47,597,56
ipr-rat LD50:1700 mg/kg TXAPA9 24,37,73
ipr-mus LD50:1800 mg/kg TXAPA9 24,37,73
ipr-gpg LDLo:1000 mg/kg CWLTM* 47-6,59

LM56000. FLUORESCEIN SODIUM see:LM54250 FLUORESCEIN, DISODIUM SALT

LM57750. FLUORESCEIN SODIUM B.P see:LM54250 FLUORESCEIN, DISODIUM SALT

LM58500. FLUORESCEIN, 2',4',5',7'-TETRABROMO-, DISODIUM SALT
CAS: 000548265 MW: 693.70 MOLFM: O5-Br4-C20-H8 .2Na
WLN: T C666 BO EVJ DE FE IR BVO& LE MO NE &-NA- 2
TXDS: ipr-rat LDLo:500 mg/kg IJLBAG 2,257,34
scu-rat LDLo:1500 mg/kg GANNA2 46,367,55
scu-rat TDLo:7200 mg/kg/44WI TFX:NEO GANNA2 46,367,55
ivn-rbt LDLo:300 mg/kg IJLBAG 2,257,34

LM82250. 3-FLUORO-4-ACETYLAMINOBIPHENYL see:AE35000 ACETANILIDE, 2'-FLUORO-4'-PHENYL-

LM84000. 3'-FLUORO-4-ACETYLAMINOBIPHENYL see:AE36750 ACETANILIDE, 4'-(m-FLUOROPHENYL)-

LM84900. 4'-FLUORO-4-ACETYLAMINOBIPHENYL see:AE37500 ACETANILIDE, 4'-(p-FLUOROPHENYL)-

LM85750. 1-FLUORO-2-ACETYLAMINOFLUORENE see:AC14000 ACETAMIDE, 1-FLUORO-N-(FLUOREN-2-YL)-

LM87500. 3-FLUORO-2-ACETYLAMINOFLUORENE see:AC15750 ACETAMIDE, 3-FLUORO-N-(FLUOREN-2-YL)-

LM89250. 4-FLUORO-2-ACETYLAMINOFLUORENE see:AC17500 ACETAMIDE, 4-FLUORO-N-(FLUOREN-2-YL)-

LM91000. 5-FLUORO-2-ACETYLAMINOFLUORENE see:AC19250 ACETAMIDE, 5-FLUORO-N-(FLUOREN-2-YL)-

LM92750. 6-FLUORO-2-ACETYLAMINOFLUORENE see:AC21000 ACETAMIDE, 6-FLUORO-N-(FLUOREN-2-YL)-

LM94500. 7-FLUORO-2-ACETYLAMINOFLUORENE see:AC22750 ACETAMIDE, 7-FLUORO-N-(FLUOREN-2-YL)-

LM96250. 8-FLUORO-2-ACETYLAMINOFLUORENE see:AC24500 ACETAMIDE, 8-FLUORO-N-(FLUOREN-2-YL)-

LN01750. 4'-FLUORO-4-AMINODIPHENYL see:DU96250 4-BIPHENYLAMINE, 4'-FLUORO-

LN05250. 4-FLUOROBENZ(a)ANTHRACENE see:CW64750 BENZ(a)ANTHRACENE, 4-FLUORO-

LN07000. 4'-FLUORO-1,2-BENZANTHRACENE see:CW64750 BENZ(a)ANTHRACENE, 4-FLUORO-

LN10240. N-4-(4'-FLUORO)BIPHENYLACETAMIDE see:AE37500 ACETANILIDE, 4'-(p-FLUOROPHENYL)-

LN10500. 4'-FLUORO-4-BIPHENYLAMINE see:DU96250 4-BIPHENYLAMINE, 4'-FLUORO-

LN14000. 6-FLUORO-7-BROMOMETHYLBENZ(a)ANTHRACENE see:CW66500 BENZ(a)ANTHRACENE, 6-FLUORO-7-BROMOMETHYL-

LN43750. 4-FLUORO-1,2:5,6-DIBENZANTHRACENE see:HN49000 DIBENZ(a,h)ANTHRACENE, 6-FLUORO-

LN45500. 6-FLUORODIBENZ(a,h)ANTHRACENE see:HN49000 DIBENZ(a,h)ANTHRACENE, 6-FLUORO-

LN46500. 4'-FLUORO-4-N,N-DIETHYLAMINOAZOBENZENE see:BX36000 ANILINE, N,N-DIETHYL-p-(4-FLUOROPHENYLAZO)-

LN49000. 2-FLUORO-4-DIMETHYLAMINOAZOBENZENE see:BX57750 ANILINE
N,N-DIMETHYL-2-FLUORO-4-PHENYLAZO-

LN50750. 2'-FLUORO-4-DIMETHYLAMINOAZOBENZENE see:BX56000 ANILINE, N,N-DIMETHYL-p-(2-FLUOROPHENYLAZO)-

LN52500. 3'-FLUORO-4-DIMETHYLAMINOAZOBENZENE see:BX59500 ANILINE, N,N-DIMETHYL-p-(3-FLUOROPHENYLAZO)-

LN54250. 4'-FLUORO-N,N-DIMETHYL-4-AMINOAZOBENZENE see:CY07000 BENZENAMINE, 4-((4-FLUOROPHENYL)AZO)-N,N-DIMETHYL-

LN56000. 4'-FLUORO-p-DIMETHYLAMINOAZOBENZENE see:CY07000 BENZENAMINE, 4-((4-FLUOROPHENYL)AZO)-N,N-DIMETHYL-

LN57750. 4'-FLUORO-4-DIMETHYLAMINOAZOBENZENE see:CY07000 BENZENAMINE, 4-((4-FLUOROPHENYL)AZO)-N,N-DIMETHYL-

LN59500. 2'-FLUORO-4-DIMETHYLAMINOSTILBENE see:WJ43750 4-STILBENAMINE, 2'-FLUORO-N,N-DIMETHYL-

LN61250. 4'-FLUORO-4-DIMETHYLAMINOSTILBENE see:WJ45500 4-STILBENAMINE, 4'-FLUORO-N,N-DIMETHYL-

LN62600. 3-FLUORO-2,10-DIMETHYL-5,6-BENZACRIDINE see:CU36000 BENZ(a)ACRIDINE, 8,12-DIMETHYL-10-FLUORO-

LN64750. 4'-FLUORO-N,N-DIMETHYL-4-(PHENYLAZO)-m-TOLUIDINE see:XU70000 m-TOLUIDINE, 4'-FLUORO-N,N-DIMETHYL-4-(PHENYLAZO)-

LN66500. 2'-FLUORO-N,N-DIMETHYL-4-STILBENAMINE see:WJ43750 4-STILBENAMINE, 2'-FLUORO-N,N-DIMETHYL-

LN88200. FLUOROFEX see:KX40250 ETHYLENE, TETRAFLUORO-, POLYMER

LN89250. N-(1-FLUOROFLUOREN-2-YL)ACETAMIDE see:AC14000 ACETAMIDE, N-(1-FLUOROFLUOREN-2-YL)-

LN91000. N-(3-FLUOROFLUOREN-2-YL)ACETAMIDE see:AC15750 ACETAMIDE, N-(3-FLUOROFLUOREN-2-YL)-

LN92750. N-(4-FLUOROFLUOREN-2-YL)ACETAMIDE see:AC17500 ACETAMIDE, N-(4-FLUOROFLUOREN-2-YL)-

LN94500. N-(5-FLUOROFLUOREN-2-YL)ACETAMIDE see:AC19250 ACETAMIDE, N-(5-FLUOROFLUOREN-2-YL)-

LN96250. N-(6-FLUOROFLUOREN-2-YL)ACETAMIDE see:AC21000 ACETAMIDE, N-(6-FLUOROFLUOREN-2-YL)-

LN98000. N-(8-FLUOROFLUOREN-2-YL)ACETAMIDE see:AC24500 ACETAMIDE, N-(8-FLUOROFLUOREN-2-YL)-

LO01750. 7-FLUORO-N-(FLUOREN-2-YL)ACETOHYDROXAMIC ACID see:AL05250 ACETOHYDROXAMIC ACID, 7-FLUORO-N-(FLUOREN-2-YL)-

LO30000. 1-FLUORO-10-METHYL-7,8-BENZACRIDINE see:CU38575 BENZ(c)ACRIDINE, 11-FLUORO-7-METHYL-

LO32000. 3-FLUORO-10-METHYL-5,6-BENZACRIDINE see:CU38550 BENZ(a)ACRIDINE, 10-FLUORO-12-METHYL-

LO33000. 3-FLUORO-10-METHYL-7,8-BENZACRIDINE (French) see:CU38525 BENZ(c)ACRIDINE, 9-FLUORO-7-METHYL-

LO35000. 3-FLUORO-7-METHYLBENZ(a)ANTHRACENE see:CW68250 BENZ(a)ANTHRACENE, 3-FLUORO-7-METHYL-

LO36750. 6-FLUORO-7-METHYLBENZ(a)ANTHRACENE see:CW71750 BENZ(a)ANTHRACENE, 6-FLUORO-7-METHYL-

LO37500. 6-FLUORO-10-METHYL-1,2-BENZANTHRACENE see:CW73500 BENZ(a)ANTHRACENE, 9-FLUORO-7-METHYL-

LO38500. 9-FLUORO-7-METHYLBENZ(a)ANTHRACENE see:CW73500 BENZ(a)ANTHRACENE, 9-FLUORO-7-METHYL-

LO40250. 10-FLUORO-7-METHYLBENZ(a)ANTHRACENE see:CW75250 BENZ(a)ANTHRACENE, 10-FLUORO-7-METHYL-

LO42000. 3'-FLUORO-10-METHYL-1,2-BENZANTHRACENE see:CW68250 BENZ(a)ANTHRACENE, 3-FLUORO-7-METHYL-

LO43750. 4-FLUORO-10-METHYL-1,2-BENZANTHRACENE see:CW71750 BENZ(a)ANTHRACENE, 6-FLUORO-7-METHYL-

LO45500. 7-FLUORO-10-METHYL-1,2-BENZANTHRACENE see:CW75250 BENZ(a)ANTHRACENE, 10-FLUORO-7-METHYL-

LO47250. 4'-FLUORO-2-METHYL-4-DIMETHYLAMINOAZOBENZENE see:XU70000 m-TOLUIDINE, 4'-FLUORO-N,N-DIMETHYL-4-(PHENYLAZO)-

LO59500. 3-FLUORO-4-NITROQUINOLINE 1-OXIDE see:VB84000 QUINOLINE, 3-FLUORO-4-NITRO-, 1-OXIDE

LO61250. 8-FLUORO-4-NITROQUINOLINE 1-OXIDE see:VB85750 QUINOLINE, 8-FLUORO-4-NITRO-, 1-OXIDE

LO82250. 4'-(m-FLUOROPHENYL)ACETANILIDE see:AE36750 ACETANILIDE, 4'-(m-FLUOROPHENYL)-

LO84000. 2'-FLUORO-4'-PHENYLACETANILIDE see:AE35000 ACETANILIDE, 2'-FLUORO-4'-PHENYL-

LO85750. p-((p-FLUOROPHENYL)AZO)-N,N-DIMETHYLANILINE see:CY07000 BENZENAMINE, 4-((4-FLUOROPHENYL)AZO)-N,N-DIMETHYL-

LP05250. 5-FLUOROPYRIMIDINE-2,4-DIONE see:YR03500 URACIL,5-FLUORO

LP15500. 2-FLUOROTRICYCLOQUINAZOLINE see:YD29250 TRICYCLOQUINAZOLINE, 2-FLUORO-

LP15750. 3-FLUORO-TRICYCLOQUINAZOLINE see:YD29750 TRICYCLOQUINAZOLINE, 3-FLUORO-

LP26000. FLUOROURACIL see:YR03500 URACIL,5-FLUORO

LP26150. 5-FLUOROURACIL see:YR03500 URACIL,5-FLUORO

LP42500. FMA see:OV64750 MERCURY, (ACETATO)PHENYL-

LP43000. FNT see:LQ92750 FORMIC ACID, 2-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)HYDRAZIDE

LP56000. FOLIC ACID, 4-AMINO- see:HA10500 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)AMINO)BENZOYL)-, L-

LP59000. FOLIKRIN see:KG85750 ESTRONE

LP61850. FOLIPEX see:KG85750 ESTRONE

LP62450. FOLISAN see:KG85750 ESTRONE

LP63200. FOLLESTRINE see:KG85750 ESTRONE

LP63400. FOLLICOLMON see:KG40500 ESTRADIOL, 3-BENZOATE

LP63600. FOLLICULAR HORMONE see:KG85750 ESTRONE

LP63800. FOLLICULAR HORMONE HYDRATE see:KG82250 ESTRIOL

LP64000. FOLLICULIN see:KG85750 ESTRONE

LP64200. FOLLICUNODIS see:KG85750 ESTRONE

LP64400. FOLLIDRIN see:KG40500 ESTRADIOL, 3-BENZOATE

LP64600. FOLLIDRIN see:KG85750 ESTRONE

LP64750. FOLOGENON see:TW01750 PROGESTERONE

LP66500. FOLOSAN see:DA66500 BENZENE, PENTACHLORONITRO-

LP67200. FOLOSAN see:DC01750 BENZENE, 1,2,4,5-TETRACHLORO-3-NITRO-

LP67750. FOLSAN see:DB96250 BENZENE, 1,2,3,4-TETRACHLORO-5-NITRO-

LP68250. FOMAC 2 see:DA66500 BENZENE, PENTACHLORONITRO-

LP70000. FONATOL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

LP75250. FOOD BLUE 1 see:PQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

LP75280. FOOD BLUE 2 see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

LP75400. FOOD RED 2 see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

LP75650. FOOD RED 4 see:QK27050 1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT

LP78750. FOOD RED 6 see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

LP80500. FOOD RED 7 see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

LP82250. FOOD YELLOW 3 see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

LP84000. FOOD YELLOW 6 CI see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

LP88200. FORMALDEHYD (Czech, Polish) see:LP89250 FORMALDEHYDE

LP89250. FORMALDEHYDE
CAS: 000050000 MW: 30.03 MOLFM: O-C-H2
WLN: VH
SYN: ALDEHYDE FORMIQUE (French) * ALDEIDE FORMICA (Italian) * BFV * FANNOFORM

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          *  FORMALDEHYD (Czech, Polish)   *  FORMALIN   *  FORMALINA (Italian)
          *  FORMALINE (German)   *  FORMALIN-LOESUNGEN (German)   *  FORMALITH
          *  FORMIC ALDEHYDE   *  FORMOL   *  FYDE   *  METHANAL   *  METHYL ALDEHYDE
          *  METHYLENE OXIDE   *  OPLOSSINGEN (Dutch)   *  OXOMETHANE   *  OXYMETHYLENE
          *  METHANAL   *
     TXDS: orl-wmn LDLo:36 mg/kg                                        29ZWAP -,328,68
           ihl-hmn TCLo:13.8 ppm TFX:IRR                                JAMAAP 165,1908,57
           orl-rat LD50:800 mg/kg                                       JIHTAB 23,259,41
           ihl-rat LCLo:250 ppm/4H                                      JIHTAB 31,343,49
           scu-rat LD50:420 mg/kg                                       APTOA6 6,299,50
           scu-rat TDLo:96 mg/kg/60WC TFX:NEO                           GANNA2  45,451,54
           ihl-mus LCLo:900 mg/m3/2H                                    JNCIAM 30,31,63
           ipr-mus LDLo:16 mg/kg                                        TXAPA9 23,288,72
           scu-mus LD50:300 mg/kg                                       APTOA6 6,299,50
           scu-dog LDLo:550 mg/kg                                       AIPTAK 17,147,1907
           ihl-cat LCLo:820 mg/m3/8H                                    APTOA6 6,299,50
           scu-rbt LDLo:240 mg/kg                                       JAMAAP 62,984,14
           orl-gpg LD50:260 mg/kg                                       JIHTAB 23,259,41
     U.S. OCCUPATIONAL STANDARD USOS-air:TWA 3 ppm;CL5 ppm;PK 10 PEREAC 37,22139,72

LQ01750. FORMALIN    see:LP89250 FORMALDEHYDE

LQ02000. FORMALINA (Italian)    see:LP89250 FORMALDEHYDE

LQ02050. FORMALINE (German)    see:LP89250 FORMALDEHYDE

LQ02110. FORMALIN-LOESUNGEN (German)    see:LP89250 FORMALDEHYDE

LQ03500. FORMALITH    see:LP89250 FORMALDEHYDE

LQ29750. FORMAMIDE, N-FLUOREN-2-YL-
                        MW: 209.26          MOLFM: N-O-C14-H11
     WLN: L B656 HHJ EMVH
     SYN: N-FLUOREN-2-YLFORMAMIDE   *  2-FORMYLAMINOFLUORENE   *
     TXDS: orl-rat TDLo:4400 mg/kg/35WC TFX:CAR                         CNREA8 22,1002,62

LQ31500. FORMAMIDE, N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)-
     CAS: 024554265      MW: 239.22          MOLFM: N3-O4-S-C8-H5
     WLN: T5OJ BNW E- ET5N CSJ BMVH
     SYN: FANFT   *  N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)FORMAMIDE   *
     TXDS: orl-rat TDLo:8000 mg/kg/12WC TFX:CAR                         PAACA3 10,23,69
           orl-mus TDLo:66 gm/kg/46WC TFX:CAR                           CNREA8 30,1309,70
           orl-dog TDLo:26 gm/kg/2.2YC TFX:CAR                          JNCIAM 45,535,70
           orl-ham TDLo:18 gm/kg/18W TFX:CAR                            JNCIAM 51,941,73

LQ46350. FORMAMINE    see:MN47250 HEXAMETHYLENETETRAMINE

LQ91000. FORMIC ACID, 2-(4-METHYL-2-THIAZOLYL)HYDRAZIDE
     CAS: 032852214      MW: 157.21          MOLFM: N3-O-S-C5-H7
     WLN: T5N CSJ BMMVH E
     TXDS: orl-rat TDLo:11 gm/kg/46WC TFX:NEO                           JNCIAM 47,437,71

LQ92750. FORMIC ACID, 2-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)HYDRAZIDE
     CAS: 003570750      MW: 256.26          MOLFM: N4-O4-S-C8-H6
     WLN: T5OJ BNW E- ET5N CSJ BMMVH
     SYN: AS-17665   *  FNT   *  2-(2-FORMYLHYDRAZINO)-4-(5-NITRO-2-FURYL)THIAZOLE
          *  NEFURTHIAZOLE   *  NIFURTHIAZOLE   *
     TXDS: orl-rat TDLo:31 gm/kg/44WC TFX:CAR                           PAACA3 10,15,69
           orl-mus TDLo:48 gm/kg/29W TFX:CAR                            CNREA8 30,906,70
           orl-ham TDLo:46 gm/kg/48W TFX:CAR                            JNCIAM 51,941,73

LR07000. FORMIC ALDEHYDE    see:LP89250 FORMALDEHYDE

LR08750. FORMIN    see:MN47250 HEXAMETHYLENETETRAMINE

LR10500. FORMOL    see:LP89250 FORMALDEHYDE

LR12800. FORMOSULFATHIAZOLE    see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

LR17500. 2-FORMYLAMINOFLUORENE    see:LQ29750 FORMAMIDE, N-FLUOREN-2-YL-

LR19250. 6-FORMYLANTHANTHRENE    see:HO66500 DIBENZO(def,mno)CHRYSENE-12-CARBOXALDEHYDE

LR19650. 6-FORMYLBENZO(a)PYRENE    see:DJ63250 BENZO(a)PYRENE, 6-FORMYL-

LR22750. 5-FORMYL-1,2:3,4-DIBENZOPYRENE    see:HO64750 DIBENZO(def,p)CHRYSENE-10-CARBOXALDEHYDE

LR24500. 5-FORMYL-3,4:8,9-DIBENZOPYRENE    see:HO63000 DIBENZO(b,def)CHRYSENE-7-CARBOXALDEHYDE
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LR26250. 5-FORMYL-3,4:9,10-DIBENZOPYRENE see:DI59500 BENZO(rst)PENTAPHENE-5-CARBOXALDEHYDE

LR28000. 2-(2-FORMYLHYDRAZINO)-4-(5-NITRO-2-FURYL)THIAZOLE see:LQ92750 FORMIC ACID, 2-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)HYDRAZIDE

LR29750. 6-FORMYL-12-METHYLANTHANTHRENE see:HO70000 DIBENZO(def,mno)CHRYSENE-12-CARBOXALDEHYDE, 6-METHYL-

LR31500. 7-FORMYL-9-METHYLBENZ(c)ACRIDINE see:CU31500 BENZ(c)ACRIDINE-7-CARBOXALDEHYDE, 9-METHYL-

LR33250. 7-FORMYL-11-METHYLBENZ(c)ACRIDINE see:CU33250 BENZ(c)ACRIDINE-7-CARBOXALDEHYDE, 11-METHYL-

LR35000. 7-FORMYL-12-METHYLBENZ(a)ANTHRACENE see:CW08750
BENZ(a)ANTHRACENE-7-CARBOXALDEHYDE, 12,METHYL-

LR40250. 5-FORMYL-8-METHYL-3,4:9,10-DIBENZOPYRENE see:DI61250 BENZO(rst)PENTAPHENE-5-CARBOXALDEHYDE, 8-METHYL-

LR42000. 5-FORMYL-10-METHYL-3,4:8,9-DIBENZOPYRENE see:HO68250 DIBENZO(b,def)CHRYSENE-7-CARBOXALDEHYDE 14-METHYL-

LR59500. 1-FORMYL-3-THIOSEMICARBAZIDE see:VT33250 SEMICARBAZIDE, 1-FORMYL-3-THIO-

LR61250. FORMYL TRICHLORIDE see:FS91000 CHLOROFORM

LR71750. FORSTERITE
CAS: 001313059 MW: 124.71 MOLFM: O3-Mg2-Si
TXDS: ipl-mus TDLo:400 mg/kg TFX:NEO BJEPA5 53,190,72

LR91000. FOURAMINE J see:XS96250 TOLUENE-2,4-DIAMINE

LS07000. FOURNEAU 1162 see:WO84000 SULFANILAMIDE

LS21000. FOURRINE M see:XS96250 TOLUENE-2,4-DIAMINE

LS36750. FOURRINE 94 see:XS96250 TOLUENE-2,4-DIAMINE

LS42600. FOWLER'S SOLUTION see:CG35000 ARSENIOUS ACID, POTASSIUM SALT

LS49000. FREE BENZYLPENICILLIN see:XH96250 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-

LS50750. FREE HISTAMINE see:HS10500 HISTAMINE

LS54250. FREE PENICILLIN G see:XH96250 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-

LS56000. FREE PENICILLIN II see:XH96250 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-

LS70000. FRUCTOPYRANOSE, beta-D-
CAS: 007660255 MW: 180.18 MOLFM: O6-C6-H12
WLN: T5OTJ BQ B1Q CQ DQ E1Q *DDL-L
SYN: FRUCTOSE *
TXDS: scu-mus TDLo:5000 mg/kg TFX:NEO GANNA2 46,371,55

LS71750. FRUCTOSE see:LS70000 FRUCTOPYRANOSE, beta-D-

LS75500. FRUIT RED A GEIGY see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

LS82250. FSR 3 see:NS17500 ISONICOTINIC ACID HYDRAZIDE

LS83500. FU see:YR03500 URACIL,5-FLUORO

LS84000. 5-FU see:YR03500 URACIL,5-FLUORO

LS85750. FUCLASIN see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

LS91000. FUKLASIN see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

LS92750. FULCIN see:WG98000 SPIRO(BENZOFURAN-2(3H),1'-(2)CYCLOHEXENE)-3,4'-DIONE, 7-CHLORO-2',4,6=-TRIMETHOXY-6'-beta-METHYL-

LS94500. FULVICIN see:WG98000 SPIRO(BENZOFURAN-2(3H),1'-(2)CYCLOHEXENE)-3,4'-DIONE, 7-CHLORO-2',4,6= -TRIMETHOXY-6'-beta-METHYL-

LT47250. FUNGITOX OR see:OV64750 MERCURY, (ACETATO)PHENYL-

LT56600. FURACILLIN see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

LT57750. FURACIN see:LT77000 2-FURALDEHYDE, 5-NITRO-SEMICARBAZONE

LT77000. 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE
CAS: 000059870 MW: 198.16 MOLFM: N4-O4-C6-H6
WLN: T5OJ ENW E1UNMVZ
SYN: ALDOMYCIN * BABROCID * CHEMOFURAN * FURACILLIN * FURACIN * FURASKIN * FURAZIN * FURESOL * FUVACILLIN * NEFCO * NFS * NIFUZON * NITROFURAL * 6-NITROFURALDEHYDE SEMICARBAZIDE * 5-NITRO-2-FURALDEHYDE SEMICARBAZONE * NITROFURAZONE * 5-NITRO-2-FURFURALDEHYDE SEMICARBAZONE * 5-NITROFURFURAL SEMICARBAZONE * 1-(5-NITRO-2-FURFURYLIDENE)SEMICARBAZIDE * NSC-2100 * U-6421 * VABROCID * VETERINARY NITROFURAZONE *
TXDS: orl-rat LD50:590 mg/kg JAMAAP 133,299,47
orl-rat TDLo:3100 mg/kg/30DI TFX:NEO CNREA8 28,924,68
scu-rat LD50:3000 mg/kg JAMAAP 133,299,47
orl-mus LD50:380 mg/kg JPETAB 85,324,45
ipr-mus LD50: 300 mg/kg CNCRA6 30,9,63

LU05250. FURAN, 2,3-DICHLOROTETRAHYDRO-
CAS: 003511191 MW: 141.00 MOLFM: O-C12-C4-H6
WLN: T5OTJ BG CG
TXDS: scu-mus TDLo:888 mg/kg/74WI TFX:NEO JNCIAM 48,1431,72

LU12250. 2,5-FURANDIONE see:ON36750 MALEIC ANHYDRIDE

LU13000. 2,5-FURANDIONE, DIHYDRO- see:WN08750 SUCCINIC ANHYDRIDE

LU17500. FURANIUM see:LM54250 FLUORESCEIN, DISODIUM SALT

LU35000. 2(3H)-FURANONE, DIHYDRO-
CAS: 000096480 MW: 86.10 MOLFM: O2-C4-H6
WLN: T5OVTJ
SYN: gamma-BL * 1,2-BUTANOLIDE * 1,4-BUTANOLIDE * BUTYRIC ACID, 4-HYDROXY-, gamma-LACTONE * gamma-BUTYROLACTONE * 4-BUTYROLACTONE * 4-HYDROXYBUTANOIC ACID LACTONE * gamma-HYDROXYBUTYRIC ACID CYCLIC ESTER * gamma-HYDROXYBUTYRIC ACID LACTONE *
TXDS: skn-mus TDLo:49 gm/kg/41WI TFX:NEO JNCIAM 31,41,63

LU38500. 2(3H)-FURANONE, DIHYDRO-5-TETRADECYL-
MW: 282.52 MOLFM: O2-C18-H34
WLN: T5OVTJ E14
SYN: DIHYDRO-5-TETRADECYL-2(3H)-FURANONE * gamma-STEAROLACTONE *
TXDS: scu-mus TDLo:160 mg/kg/40WI TFX:NEO CNREA8 30,1037,70

LU40250. 2-(5H)-FURANONE, 3,4-DIMETHYL-5-PENTYLIDENE-
MW: 180.27 MOLFM: O2-C11-H16
SYN: BOVOLIDE *
TXDS: scu-rat TDLo:2600 mg/kg/65W TFX:CAR BJCAAI 19,392,65

LU42000. 2(5H)-FURANONE, 5-ETHYL-
CAS: 002407434 MW: 112.14 MOLFM: O2-C6-H8
WLN: T5OV EHJ E2
SYN: 5-ETHYL-2(5H)-FURANONE * 4-HYDROXYHEX-2-ENOIC ACID LACTONE *
TXDS: scu-rat TDLo:1024 mg/kg/64W TFX:CAR BJCAAI 15,85,61

LU43750. 2(5H)-FURANONE, 5-ETHYLIDENE-
CAS: 003690504 MW: 110.12 MOLFM: O2-C6-H6
WLN: T5VOYJ CU2
SYN: ETHYLIDENE-2(5H)-FURANONE * 4-HYDROXYHEXA-2,4-DIENOIC ACID LACTONE * METHYL PROTOANEMONIN *
TXDS: scu-rat TDLo:976 mg/kg/64W TFX:CAR BJCAAI 15,85,61

LU45500. 2(3H)FURANONE, 5-ETHYLIDENEDIHYDRO-
MW: 112.14 MOLFM: O2-C6-H8
WLN: T5VOYTJ CU2
SYN: 5-ETHYLIDENEDIHYDRO-2(3H)-FURANONE * 4-HYDROXYHEX-4-ENOIC ACID LACTONE *
TXDS: scu-rat TDLo:464 mg/kg/58WTFX:CAR BJCAAI 15,85,61

LU47250. 2(5H)-FURANONE, 4-HYDROXY-5-METHYL-
CAS: 010088741 MW: 114.11 MOLFM: O3-C5-H6
SYN: alpha-METHYL TETRONIC ACID *
TXDS: scu-rat TDLo:2600 mg/kg/65W TFX:CAR BJCAAI 19,392,65

LU65500. FURASKIN see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

LU66500. FURATHIAZOLE see:AC66500 ACETAMIDE, N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)-

LU69000. FURAZIN see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

LU74200. FURESOL see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

LV08750. FURIUM see:AC66500 ACETAMIDE, N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)-

LV17500. 7H-FURO(3',2':4,5)FURO(2,3-c)XANTHEN-7-ONE, 3a,12c-DIHYDRO-8-HYDROXY-6-METHOXY-
CAS: 010048132 MW: 324.30 MOLFM: O6-C18-H12
WLN: T E6 C6 B655 DO KV PO BO SU&&&TTJ IQ MO1
SYN: 3a,12c-DIHYDRO-8-HYDROXY-6-METHOXY-7H-FURO(3',2':4,5)FURO(2,3-c)XANTHEN-7-ONE
STERIGMATOCYSTIN *
TXDS: orl-rat LD50: 120 mg/kg FCTXAV 7,135,69
orl-rat TDLo:1053 mg/kg/42WC TFX:CAR FCTXAV 8,289,70
ipr-rat LD50:65 mg/kg FCTXAV 7,135,69
scu-rat TDLo:240 mg/kg/24W TFX:CAR BJCAAI 20,134,66

LV26250. 4H-FURO(3,2-c)PYRAN-2(6H)-ONE, 4-HYDROXY-
CAS: 000149291 MW: 154.13 MOLFM: O4-C7-H6
WLN: T56 BOV GO IU&TJ FQ
SYN: CLAIRFORMIN * CLAVACIN * CLAVATIN * CLAVIFORMIN * EXPANSIN * EXPANSINE * MYCOIN * MYCOINE C3 * PATULIN * PENICIDIN * 2H-PYRAN-DELTA(sup 3(6H),alpha)-ACETIC ACID, 2,4-DIHYDROXY-, 3,4-LACTONE *
TXDS: scu-rat TDLo:93 mg/kg/61W TFX:CAR BJCAAI 15,85,61
orl-mus LD50:35 mg/kg LANCAO 245,631,43
ipr-mus LD50:5 mg/kg APTOA6 2,109,46
scu-mus LDLo:10 mg/kg CJMSAV 24E,1,46
ivn-mus LDLo:25 mg/kg BJEPA5 23,202,42
unk-mus LDLo:8 mg/kg BJCAAI 15,85,61

LV52500. 13'-beta-(3-FURYLHYDROXYMETHYL)-7'-alpha-HYDROXY-8',13'-DIMETHYL-3'-OXOSPIRO(OXIRANE-2=,14'-(8-beta)PODOCARP(1)-ENE)-3-CARBOXYLIC ACID, 3,13'-LACTONE, ACETATE
MW: 484.64 MOLFM: O7-C28-H36
SYN: GEDUNIN *
TXDS: scu-rat TDLo:2600 mg/kg/65W TFX:NEO BJCAAI 20,134,66

LV54600. FUSAREX see:DB96250 BENZENE, 1,2,3,4-TETRACHLORO-5-NITRO-

LV54700. FUSAREX see:DC01750 BENZENE, 1,2,4,5-TETRACHLORO-3-NITRO-

LV64000. FUVACILLIN see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

LV69600. FYDALIN see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

LV70000. FYDE see:LP89250 FORMALDEHYDE

LV80500. G 338 see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

LW01750. G 23992 see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

LW38500. GADOLINIUM
CAS: 007440542 MW: 157.25 MOLFM: Gd
WLN: .GD
TXDS: imp-mus TDLo:25 gm/kg TFX:NEO PSEBAA 135,426,70

LW58500. 4-(beta-D-GALACTOSIDO)-D-GLUCOSE see:OD96250 LACTOSE

LX03500. GALLOTANNIC ACID see:WW50750 TANNIC ACID

LX03600. GALLOTANNIN see:WW50750 TANNIC ACID

LX08750. GAMMAHEXANE see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

LX12250. GAMMEXANE see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

LX14000. GAMONIL see:PC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

LX21000. GANTANOL see:WP07000 SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-

LX24500. GARANTOSE see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

LX26250. GARDENAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

LX29750. GARDEPANYL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

LX33500. GASOLINE ENGINE EXHAUST "TAR"
TXDS: skn-mus TDLo:306 gm/kg/39WI TFX:CAR CANCAR 15,103,62

LX35000. GASTRACID see:US77000 PYRIDINE, 2,6-DIAMINO-3-(PHENYLAZO)-

LX54250. GC 3944-3-4 see:DA66500 BENZENE, PENTACHLORONITRO-

LX64750. GEDUNIN see:LV52500 13'-beta-(3-FURYLHYDROXYMETHYL)-7'-alpha-HYDROXY-8',13'-DIMETHYL-3'-OXOSPIRO(OXIRANE-2= ,14'-(8-beta)PODOCARP(1)-ENE)-3-CARBOXYLIC ACID, 3,13'-LACTONE, ACETATE

LX68250. GEIGY 338 see:DD22750 BENZILIC ACID, 4,4'-DICHLORO-, ETHYL ESTER

LX87500. GELBIN YELLOW ULTRAMARINE see:GB28000 CHROMIC ACID, CALCIUM SALT, DIHYDRATE

LY19250. GENITOX see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

LY20000. GENO-CRISTAUX GREMY see:XA30300 TESTOSTERONE

LY22750. GENOXAL see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-[BIS(2-CHLOROETHYL)AMINO]TETRAHYDRO-, 2-OXIDE

LY39300. GEON see:KV03500 ETHYLENE, CHLORO- POLYMER

LY42000. GERISON see:WO84000 SULFANILAMIDE

LY65500. GEROT-EPILAN-D see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

LY75250. GESAROL see:KJ33250
ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

LY82250. GESTONE see:TW01750 PROGESTERONE

LY84000. GESTORMONE see:TW01750 PROGESTERONE

LY89850. GIALLO CROMO (Italian) see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

LY94500. GINESTRENE see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

LY95300. GINK see:NS17500 ISONICOTINIC ACID HYDRAZIDE

LZ18800. GLANDUBOLIN see:KG85750 ESTRONE

LZ19250. GLANDUCORPIN see:TW01750 PROGESTERONE

LZ28000. GLAUBAMINE see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

LZ40250. GLUCID see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

LZ42000. GLUCINIUM see:DS17500 BERYLLIUM

LZ43750. GLUCITOL, 1-DEOXY-1-(METHYLNITROSAMINO)-, D-
CAS: 010356920 MW: 224.25 MOLFM: H2-O6-C7-H16
SYN: 1-DEOXY-1-(N-NITROSOMETHYLAMINO)-D-GLUCITOL * 1-N-METHYL-N-NITROSAMINO-1-DEOXY-D-GLUCITOL *
TXDS: orl-rat TDLo:2500 mg/kg/25WI TFX:CAR ZEKBAI 75,296,71

LZ49250. GLUCO-FERRUM see:LZ51500 GLUCONIC ACID, IRON(2+) SALT (2:1)

LZ51500. GLUCONIC ACID, IRON(2+) SALT (2:1)
CAS: 000299296 MW: 446.19 MOLFM: O14-C12-H22 .Fe
WLN: Q1YQYQYQYQVO & 2-FE-
SYN: FERGON * FERGON PREPARATIONS * FERLUCON * FERRONICUM * FERROUS GLUCONATE * GLUCO-FERRUM * IROMIN * IRON GLUCONATE * IROX (GADOR) * NIONATE * RAY-GLUCIRON *
TXDS: orl-rat LD50:4600 mg/kg AJMSA9 230,491,55
scu-mus TDLo:2600 mg/kg/13WI TFX:NEO JNCIAM 24,109,60

LZ57750. GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-, D-
CAS: 018883664 MW: 265.26 MOLFM: N3-O7-C8-H15
SYN: STREPTOZOTICIN * STREPTOZOTOCIN * U-9889 *
TXDS: ivn-rat LD50:138 mg/kg 12VXA5 8,986,68
ivn-rat TDLo:50 mg/kg TFX:NEO NATUAS 214,1254,67
ipr-mus LDLo:400 mg/kg TXAPA9 23,288,72

LZ59500. beta-D-GLUCOPYRANOSIDE, (METHYL-ONN-AZOXY)METHYL)-
CAS: 014901087 MW: 252.23 MOLFM: N2-O7-C8-H16
WLN: T6OTJ BO1NUNO&1 CQ DQ EQ F1Q-A&D -D
SYN: CYCASIN * beta-D-GLUCOSYLOXYAZOXYMETHANE * beta-D-GLUCOSYLOXYAZOXYMETHASE * METHYLAZOXYMETHANOL-beta-D-GLUCOSIDE * (METHYL-ONN-AZOXY)-METHYL-beta-D-GLUCOPYRANOSIDE *
TXDS: orl-rat LD50:270 mg/kg GANNA2 62,353,71
orl-rat TDLo:100 mg/kg/2DC TFX:CAR VAAPB7 340,151,65
orl-mus LD50:500 mg/kg FEPRA7 31,1493,72
orl-mus TDLo:300 mg/kg TFX:CAR CNREA8 29,1658,69
orl-rbt LDLo:30 mg/kg FEPRA7 31,1493,72
orl-gpg LDLo:20 mg/kg FEPRA7 37,1493,72
orl-ham LDLo:250 mg/kg FEPRA7 31,1493,72
orl-ham TDLo:100 mg/kg TFX:CAR CNREA8 31,283,71
scu-ham TDLo:200 mg/kg TFX:NEO CNREA8 31,283,71

LZ71750. D-GLUCOSE, 4-O-beta-D-GALACTOPYRANOSYL- see:OD96250 LACTOSE

LZ78750. 1-D-GLUCOSIDURONIC ACID, (2'-AMINONAPHTHYL)-
MW: 335.34 MOLFM: N-O7-C16-H17
WLN: L66J CZ BG- BT6OTJ CQ DQ FQ FVQ
SYN: 2-AMINO-1-NAPHTHYLGLUCOSIDURONIC ACID * 2-NAPHTHYLAMINE-1-D-GLUCOSIDURONIC ACID *
TXDS: imp-mus TDLo:80 mg/kg TFX:NEO EJCAAI 11,212,57

LZ82250. D-GLUCOSYLAMINE, N-METHYL-N-NITROSO-beta-
MW: 222.23 MOLFM: N2-O6-C7-H14
SYN: N-METHYL-N-NITROSO-beta-D-GLUCOSYLAMINE *
TXDS: orl-rat TDLo:2500 mg/kg/25WI TFX:CAR ZEKBAI 75,296,71

LZ84000. beta-D-GLUCOSYLOXYAZOXYMETHANE see:LZ59500 beta-D-GLUCOPYRANOSIDE, (METHYL-ONN-AZOXY)METHYL)-

LZ85750. beta-D-GLUCOSYLOXYAZOXYMETHASE see:LZ59500 beta-D-GLUCOPYRANOSIDE, (METHYL-ONN-AZOXY)METHYL)-

LZ90100. O-GLUCURONIDE, N-HYDROXY-2-ACETYLAMINOFLUORENE see:AK92750 ACETOHYDROXAMIC ACID, FLUOREN-2-YL-O-GLUCURONIDE

LZ92750. GLUSIDE see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

MA10500. GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)AMINO)BENZOYL)-, L-
CAS: 000054626 MW: 440.47 MOLFM: N8-O5-C19-H20
WLN: T66 BN DN GN JNJ CZ EZ FIMR DVMYVQ2VQ
SYN: 4-AMINO-4-DEOXYPTEROYLGLUTAMATE * 4-AMINO-PGA * AMINOPTERIDINE * AMINOPTERIN * 4-AMINOPTEROYLGLUTAMIC ACID * A-MINOPTERIN * FOLIC ACID, 4-AMINO- * NSC 739 *
TXDS: orl-rat LDLo:2500 ug/kg JPETAB 95,303,47
orl-hmn TDLo:120 ug/kg/(preg) TFX:TER AJOGAH 63,1298,52
orl-rat TDLo:50 ug/kg/(7-10D preg) TFX:TER ACVIA9 8,73,54
ipr-rat LD50:3400 ug/kg CPCHAO 18,307,62
ims-rat TDLo:1200 ug/kg/17WC TFX:NEO AMUK** 38,248,62
skn-mus LDLo:6 mg/kg/4W TFX:NEO BJCAAI 9,177,55
ipr-mus LD50:1900 ug/kg JPETAB 95,303,47
scu-rat TDLo:105 mg/kg/(20-40D preg) TFX:TER CTOXAO 5,263,72

MA12250. GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-
CAS: 000059052 MW: 454.15 MOLFM: N8-O5-C20-H22
WLN: T66 BN DN GN JNJ CZ EZ R1N1&R DVMYVQ2VQ *L L DX
SYN: AMETHOPTERIN * 4-AMINO-4-DEOXY-N(sup 10)-METHYLPTEROYLGLUTAMATE * 4-AMINO-4-DEOXY-N(sup 10)-METHYLPTEROYLGLUTAMIC ACID * 4-AMINO-10-METHYLFOLIC ACID * 4-AMINO-N(sup 10)-METHYLPTEROYLGLUTAMIC ACID * N-BISMETHYLPTEROYLGLUTAMIC ACID * CL-14377 * N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-L-(+)-GLUTAMIC ACID * N-(p-((2,4-DIAMINO-6-PTERIDYL)METHYL)METHYLAMINO)BENZOYL)GLUTAMIC ACID * EMT 25,299 * METHOPTERIN * METHOTEXTRATE * METHOTREXATE * MTX * NSC-740 *
TXDS: orl-hmn TDLo:625 ug/kg/(8-10W preg) TFX:TER JOPDAB 72,790,68
ipr-rat LD50:17 mg/kg CPCHAO 18,307,62
orl-rus TDLo:55 mg/kg/78WC TFX:NEO DEGEA3 26,219,71

MA13000. GLUTAMIC ACID, IRON (2+) SALT (1:1)
MW: 203.00 MOLFM: N-O4-Fe-C5-H9
SYN: FERROUS GLUTAMATE *
TXDS: scu-mus TDLo:2600 mg/kg/I TFX:NEO BECCAN 40,30,62

MA78750. GLYCERITE see:WW50750 TANNIC ACID

MA95000. GLYCEROL EPICHLOROHYDRIN see:TX49000 PROPANE, 1-CHLORO-2,3-EPOXY-

MB07000. GLYCEROL TRIBUTYRATE see:ET73500 BUTYRIN, TRI-

MB25000. GLYCERYL TRIBUTYRATE see:ET73500 BUTYRIN, TRI-

MB29750. GLYCERYL TRISTEARATE see:WI49000 STEARIN, TRI-

MB31500. GLYCIDALDEHYDE
CAS: 000765344 MW: 72.07 MOLFM: O2-C3-H4
WLN: T3OTJ EVH
SYN: EPIHYDRINALDEHYDE * 2,3-EPOXY-1-PROPANAL * PROPIONALDEHYDE, 2,3-EPOXY- *
TXDS: orl-rat LDLo:50 mg/kg AJEYA2 76,209,62
ihl-rat LCLo:251 ppm 14CYAT -,1685,-
scu-rat TDLo:13 gm/kg/77W TFX:NEO JNCIAM 39,1213,67
skn-mus TDLo:17 gm/kg/48WI TFX:CAR JNCIAM 35,707,65
scu-mus TDLo:280 mg/kg/69W TFX:CAR JNCIAM 37,825,66
skn-rbt LDLo:44 mg/kg AJHYA2 76,209,62

MB63000. GLYCIDYL LAURATE see:OF05250 LAURIC ACID, 2,3-EPOXYPROPYL ESTER

MB68250. GLYCIDYL OLEATE see:RK07000 OLEIC ACID, 2,3-EPOXYPROPYL ESTER

MB73500. GLYCIDYL STEARATE see:WI35000 STEARIC ACID, 2,3-EPOXYPROPYL ESTER

MB78750. GLYCINE, N-(BENZ(a)ANTHRACEN-5-YLCARBAMOYL)-
MW: 344.38 MOLFM: N2-O3-C21-H16
WLN: L D6 B666J MMVM1VQ
SYN: N-(BENZ(a)ANTHRACEN-5-YLCARBAMOYL)GLYGINE * 1,2-BENZANTHRYL-3-CARBAMIDOACETIC ACID *
TXDS: scu-mus TDLo:120 mg/kg TFX:NEO CNREA8 6,454,46

MB79000. GLYCINE, N-(BENZ(a)ANTHRACEN-7-YLCARBAMOYL)-
MW: 344.39 MOLFM: N2-O3-C21-H16
WLN: L D6 B666J JMVM1VQ
SYN: N-(BENZ(a)ANTHRACEN-7-YLCARBAMOYL)GLYCINE * 1,2-BENZANTHRYL-10-CARBAMIDOACETIC ACID *
TXDS: scu-mus TDLo:160 mg/kg TFX:NEO CNREA8 6,454,46

MB94500. GLYCINE, N-(DIAZOACETYL)-, HYDRAZINE
CAS: 000820757 MW: 157.16 MOLFM: N5-O2-C4-H7
WLN: ZMV1UNN
SYN: N-DIAZOACETILGLICINA-IDRAZIDE (Italian) * N-(DIAZOACETYL)GLYCINE HYDRAZINE *
TXDS: ipr-mus TDLo:720 mg/kg/4DI TFX:CAR BSIBAC 23,227,69

MC28000. GLYCOL see:KW29750 ETHYLENE GLYCOL

MC29750. GLYCOL ALCOHOL see:KW29750 ETHYLENE GLYCOL

MC49000. GLYCOL ETHYLENE ETHER see:JG82250 p-DIOXANE

MD09900. GLYCOL SULFATE see:JH48000 1,3,2-DIOXATHIOLANE, 2,2-DIOXIDE

MD18650. 2-GLYCYLAMINOFLUORENE see:AB43400 ACETAMIDE, 2-AMINO-N-FLUOREN-2-YL-

MD50750. GOLD
CAS: 007440575 MW: 196.97 MOLFM: Au
WLN: .AU
SYN: BURNISH GOLD * C.I. PIGMENT METAL 3 * C.I. 77480 * SHELL GOLD *
TXDS: imp-rat TDLo:17mm disc (8 per animal) TFX:NEO STRAAA 100,192,56

MD64750. GOLD, (1-THIO-D-GLUCOPYRANOSATO)-
CAS: 000061869 MW: 393.15 MOLFM: O5-S-C6-H12 .Au
WLN: T6OTJ BS-AU- CQ DQ EQ FTQ
SYN: AUROTHIOGLUCOSE * AURUMINE * GOLD, (D-GLUCOPYRANOSYLTHIO)- * GOLD THIOGLUCOSE * ORONOL * SOLGANAL * SOLGANAL B *
TXDS: scu-mus TDLo:400 mg/kg TFX:NEO PAACA3 3,37,59

MD65150. GOLD, (D-GLUCOPYRANOSYLTHIO)- see:MD64750 GOLD, (1-THIO-D-GLUCOPYRANOSATO)-

MD65600. GOLD THIOGLUCOSE see:MD64750 GOLD, (1-THIO-D-GLUCOPYRANOSATO)-

MD68250. GOMBAPDOL see:WO84000 SULFANILAMIDE

MD77330. GRAAPINA see:KG40500 ESTRADIOL, 3-BENZOATE

MD78750. GRAPESTROL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

MD80500. GRAIN ALCOHOL see:KQ63000 ETHYL ALCOHOL

MD96500. GRAPE BLUE A GEIGY see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

MD98000. GRASAL BRILLIANT RED B see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

ME01750. GRASAL BRILLIANT YELLOW see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

ME02500. GRASAL ORANGE see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

ME03500. GRASAL YELLOW see:SR43750 PHENYLAZO-2-NAPHTHYLAMINE

ME05250. GRASAN BRILLIANT RED B see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

ME06000. GRASAN ORANGE R see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

ME06250. GRASAN ORANGE 3R see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

ME14800. 1724 GREEN see:BQ44250 AMMONIUM, ETHYL(4-(alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)-PHENYL)-4-HYDROXY-3-SULFOBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE INNER SALT, DISODIUM SALT

ME15100. 11661 GREEN see:GB64750 CHROMIUM(3+) OXIDE

ME15400. 12078 GREEN see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

ME15850. GREEN CHROME OXIDE see:GB64750 CHROMIUM(3+) OXIDE

ME16000. GREEN CHROMIUM OXIDE see:GB64750 CHROMIUM(3+) OXIDE

ME16200. GREEN CINNABAR see:GB64750 CHROMIUM(3+) OXIDE

ME21000. GREEN NICKEL OXIDE see:QR84000 NICKEL (2+) OXIDE

ME22750. GREENOCKITE see:EV31500 CADMIUM SULFIDE

ME22870. GREEN OIL see:CA93500 ANTHRACENE

ME23000. GREEN OXIDE of CHROMIUM see:GB64750 CHROMIUM(3+) OXIDE

ME23200. GREEN OXIDE of CHROMIUM OC-31 see:GB64750 CHROMIUM(3+) OXIDE

ME24000. GREEN S see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

ME26250. GREEN VITRIOL see:WS91000 SULFURIC ACID, IRON(2+) SALT (1:1)

ME31500. GRIFULVIN see:WG98000 SPIRO(BENZOFURAN-2(3H),1'-(2)CYCLOHEXENE)-3,4'-DIONE, 7-CHLORO-2',4,6= -TRIMETHOXY-6'-beta-METHYL-

ME31900. GRILON see:RF52500 NYLON

ME33250. GRISACTIN see:WG98000 SPIRO(BENZOFURAN-2(3H),1'-(2)CYCLOHEXENE)-3,4'-DIONE, 7-CHLORO-2',4,6= -TRIMETHOXY-6'-beta-METHYL-

ME36750. GRISEOFULVIN see:WG98000 SPIRO(BENZOFURAN-2(3H),1'-(2)CYCLOHEXENE)-3,4'-DIONE, 7-CHLORO-2',4,6= -TRIMETHOXY-6'-beta-METHYL-

ME36950. GRISEOFULVIN-FORTE see:WG98000 SPIRO(BENZOFURAN-2(3H),1'-(2)CYCLOHEXENE)-3,4'-DIONE, 7-CHLORO-2',4,6= -TRIMETHOXY-6'-beta-METHYL-

ME43750. GRISOFULVIN see:WG98000 SPIRO(BENZOFURAN-2(3H),1'-(2)CYCLOHEXENE)-3,4'-DIONE, 7-CHLORO-2',4,6= -TRIMETHOXY-6'-beta-METHYL-

ME45500. GRISOVIN see:WG98000 SPIRO(BENZOFURAN-2(3H),1'-(2)CYCLOHEXENE)-3,4'-DIONE, 7-CHLORO-2',4,6= -TRIMETHOXY-6'-beta-METHYL-

ME47250. GRYSIO see:WG98000 SPIRO(BENZOFURAN-2(3H),1'-(2)CYCLOHEXENE)-3,4'-DIONE, 7-CHLORO-2',4,6= -TRIMETHOXY-6'-beta-METHYL-

ME54250. GT 2041 see:EK17500 1,4-BUTANEDIOL, DIMETHANESULFONATE

MF22750. GUANIDINE, 1-ETHYL-3-NITRO-3-NITROSO-
CAS: 004245776 MW: 161.15 MOLFM: N5-O3-C3-H7
WLN: WNMYUM6N2&NO
SYN: ENNG * N-ETHYL-N'-NITRO-N-NITROSOGUANIDINE * N-ETHYL-N-NITROSO-N'-NITROGUANIDINE *
TXDS: orl-rat TDLo:164 mg/kg/39WI TPX:NEO BJCAAI 23,757,69
ipr-rat TDLo:70 mg/kg/43WI TPX:CAR BJCAAI 23,757,69
orl-mus TDLo:3 gm/kg/43WC TPX:CAR JNCIAM 52,519,74
skn-mus TDLo:660 mg/kg/22WI TPX:CAR JNCIAM 46,973,71
ipr-mus TDLo:160 mg/kg TPX:CAR BJCAAI 23,757,69
orl-ham TDLo:23 gm/kg/1YC TPX:CAR ZEKBAI 81,29,74

MF42000. GUANIDINE, 1-METHYL-3-NITRO-1-NITROSO-
CAS: 000070257 MW: 147.09 MOLFM: N5-O3-C2-H5
WLN: WNMYUM&N1&NO
SYN: N-METHYL-N'-NITRO-N-NITROSOGUANIDINE * N-METPYL-N-NITROSO-N'-NITROGUANIDINE * N'-NITRO-N-NITROSO-N-METHYLGUANIDINE *
TXDS: orl-rat LD50:400 mg/kg TCIS** -,-,72
orl-rat TDLo:75 mg/kg/4WI TPX:CAR BJCAAI 23,757,69
ipr-rat TDLo:40 mg/kg/4WI TPX:CAR BJCAAI 23,757,69
scu-rat TDLo:40 mg/kg/10WI TPX:CAR NATUAS 210,962,66
rec-rat TDLo:200 mg/kg/32DI TPX:CAR JNCIAM 50,927,73
orl-mus TDLo:100 mg/kg TPX:CAR BJCAAI 23,757,69
skn-mus TDLo:200 mg/kg/22WI TPX:CAR JNCIAM 46,973,71
scu-mus TDLo:48 mg/kg TPX:CAR BJCAAI 23,757,69
orl-dog TDLo:2457 mg/kg/66WC TPX:CAR GANNA2 62,67,71
orl-ham TDLo:740 mg/kg/27WC TPX:CAR CNREA8 30,1444,70

MF85750. GUANINE 3-OXIDE
CAS: 018905298 MW: 167.15 MOLFM: N5-O2-C5-H5
WLN: T56 BM DN FN HNJ FO GZ IQ
TXDS: ipr-rat LD50:75 mg/kg ARPAAQ 86,395,68
scu-rat TDLo:11 mg/kg/24WI TFX:CAR CNREA8 30,184,70

MG03500. GUINEA GREEN see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

MG05250. GUINEA GREEN B see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

MG07000. GUINEA GREEN BA see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

MG16250. GYNECORMONE see:KG40500 ESTRADIOL, 3-BENZOATE

MG17500. GYNERGON see:KG29750 ESTRADIOL

MG22750. GYNOESTRYL see:KG29750 ESTRADIOL

MG85750. HAFTOCIL see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

MH07000. HBF 386 see:AO15750 ACTINOMYCIN D

MH19250. HCH see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

MH22750. gamma-HCH see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

MH27000. HD AMARANTH B see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

MH27500. HD AMARANTH SUPRA see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

MH30350. HD INDIGO CARMINE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

MH30900. HD INDIGO CARMINE SUPRA see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

MH31500. HD PONCEAU 4R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

MH33250. HD PONCEAU 4R SUPRA see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

MH35000. HD SUNSET YELLOW FCF see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

MH36750. HD SUNSET YELLOW FCF SUPRA see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

MH38500. HEAZLEWOODITE see:QR98000 NICKEL SULFIDE

MH58200. HELIONAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

MH78750. HEMATOXYLIN
CAS: 001412197 MW: 302.14 MOLFM: O6-C16-H14
TXDS: orl-rat TDLo:360 gm/kg/26WC TFX:CAR GASTAB 23,1,53

MI03500. HEOD see:IO17500 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-6,7-EPOXY-1,4,4a,5,6,7,8,8a-OCTAHYDRO-, ENDO-EXO-

MI89000. HEPTANE, 1,2:6,7-DIEPOXY-
MW: 128.19 MOLFM: O2-C7-H12
TXDS: skn-mus TDLo:2400 mg/kg/20WI TFX:NEO JNCIAM 35,707,65

MI98000. HEPTANEDIOIC ACID, 4-OXO-, ISONICOTINOYL HYDRAZONE
MW: 293.31 MOLFM: N3-O5-C13-H15
WLN: T6NJ DVMNOY2VQ2VQ
SYN: 4-(ISONICOTINOYLHYDRAZONE)PIMELIC ACID * 4-OXOHEPTANEDIOIC ACID, ISONICOTINOYL HYDRAZONE *
TXDS: orl-mus TDLo:1500 mg/kg/30WI TFX:CAR LAPPA5 24,39,64

MK36750. HERBICIDES, MONURON see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

MK56000. HERMESETAS see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

MK96420. HEXACERT BLUE No. 2 see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

MK96600. HEXACERT RED NO. 2 see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

MK98000. HEXACHLORAN see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

ML01750. HEXACHLORANE see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

ML08750. alpha-HEXACHLOROCYCLOHEXANE see:GV35000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, alpha-isomer

ML10500. alpha-1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE see:GV35000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, alpha-isomer

ML12250. 1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE, gamma-ISOMER see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

ML14000. beta-HEXACHLOROCYCLOHEXANE see:GV43750 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, beta-isomer

ML15750. beta-1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE see:GV43750 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, beta-isomer

ML25400. 1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE (mixture of isomers) see:GV49500 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (mixed isomers)

ML33250. HEXACHLOROEPOXYOCTAHYDRO-endo,exo-DIMETHANONAPHTHALENE see:IO17500 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,10,10-HEXACHLORO-6,7-EPOXY-1,4,4a,5,6,7,8,8a-OCTAHYDRO-, endo,exo-

ML38500. HEXACHLOROHEXAHYDRO-endo-exo-DIMETHANONAPHTHALENE see:IO21000 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-, endo,exo-

ML42000. 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-exo-1,4-endo-5,8-DIMETHANONAPHTHALENE see:IO21000 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-, endo,exo-

ML43750. 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-1,4-endo-exo-5,8-DIMETHANONAPHTHALENE see:IO21000 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-, endo,exo-

ML67700. HEXACOL AMARANTH B EXTRA see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

ML70000. HEXACOL BRILLIANT BLUE A see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

ML74500. HEXACOL GREEN S see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

ML74850. HEXACOL INDIGO CARMINE SUPRA see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

ML75250. HEXACOL OIL ORANGE SS see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

ML77000. HEXACOL PONCEAU MX see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

ML78750. HEXACOL PONCEAU 2R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

ML80500. HEXACOL PONCEAU 4R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

ML80750. HEXACOL PONCEAU SX see:QK27050 1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT

ML82250. HEXACOL SUNSET YELLOW FCF see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

ML84000. HEXACOL SUNSET YELLOW FCF SUPRA see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

HL94500. HEXADECANE, 1,2-EPOXY-
CAS: 007320378 MW: 240.48 MOLFM: O-C16-H32
WLN: T3OTJ B14
SYN: 1,2-EPOXYHEXADECANE * HEXADECENE EPOXIDE *
TXDS: ihl-mus TDLo:240 mg/kg TFX:NEO RARSAM 3,193,63
skn-mus TDLo:64 gm/kg/53W TFX:CAR JNCIAM 39,1217,67

MM03500. HEXADECENE EPOXIDE see:HL94500 HEXADECANE, 1,2-EPOXY-

MM25000. HEXADIENIC ACID see:WG21000 SORBIC ACID

MM25600. HEXADIENOIC ACID see:WG21000 SORBIC ACID

MM25800. 2,4-HEXADIENOIC ACID see:WG21000 SORBIC ACID

MM26000. trans-trans-2,4-HEXADIENOIC ACID see:WG21000 SORBIC ACID

MM26250. 2,5-HEXADIENOIC ACID, 3-METHOXY-5-METHYL-4-OXO-
CAS: 000090653 MW: 170.18 MOLFM: O4-C8-H10
WLN: QV1UYO1&VYU1
SYN: gamma-KETO-beta-METHOXY-delta-METHYLENE-DELTA(sup alpha)-HEXENOIC ACID * 3-METHOXY-5-METHYL-4-OXO-2,5-HEXADIENOIC ACID * PENCILLIC ACID * PENICILLIC ACID *
TXDS: scu-rat TDLo:61 mg/kg/61W TFX:CAR BJCAAI 17,100,63
scu-rat TDLo:384 mg/kg/64W TFX:CAR BJCAAI 15,85,61
orl-mus LD50:600 mg/kg JPETAB 88,119,46
ipr-mus LD50: 300 mg/kg APTOA6 2,109,46
scu-mus LD50:110 mg/kg JPETAB 88,119,46
scu-mus TDLo:608 mg/kg/38W TFX:CAR BJCAAI 19,392,65
ivn-mus LD50:250 mg/kg JPETAB 88,119,46
unk-mus LDLo:280 mg/kg BJCAAI 15,85,61

MM36620. HEXAEPOXYSQUALENE see:XB62000 2,6,10,14,18,22-TETRACOSAHEXAENE, 2,3:6,7:10,11:14,15:18,19:22,23-HEXAEPOXY- 2,6,10,15,19,23-HEXAMETHYL-

MM52500. HEXAFORM see:MN47250 HEXAMETHYLENETETRAMINE

MM57300. 1,2,4,5,6,7-HEXAHYDROBENZ(e)ACEANTERYLENE see:CU15000 BENZ(e)ACEANTHRYLENE, 1,2,4,5,6,7-HEXAHYDRO-

MM63600. 1,2,3,4,12,13-HEXAHYDRODIBENZ(a,h)ANTHRACENE see:HN51000 DIBENZ(a,h)ANTHRACENE, 1,2,3,4,12,13-HEXAHYDRO-

MM64750. HEXAHYDRO-3a,7a-DIMETHYL-4,7-EPOXYISOBENZOFURAN-1,3-DIONE see:RN85750 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ANHYDRIDE, 2,3-DIMETHYL-

MM77500. 6,7,8,9,10,12b-HEXAHYDRO-3-METHYL-CHOLANTHRENE see:PZ36200 CHOLANTHRENE, 6,7,8,9,10,12b-HEXAHYDRO-3-METHYL-

MM82250. HEXAHYDRO-1-NITROSO-1H-AZEPINE see:CM33250 1H-AZEPINE, HEXAHYDRO-1-NITROSO-

MN15750. HEXAMETHYLENAMINE see:MN47250 HEXAMETHYLENETETRAMINE

MN19250. HEXAMETHYLENEAMINE see:MN47250 HEXAMETHYLENETETRAMINE

MN45500. HEXAMETHYLENETETRAAMINE see:MN47250 HEXAMETHYLENETETRAMINE

MN47250. HEXAMETHYLENETETRAMINE
CAS: 000100970 MW: 140.16 MOLFM: N4-C6-H12
WLN: T66 B6 A B- C 1B I BN DN FN HNTJ
SYN: ACETO HMT * AMINOFORM * AMMOFORM * AMMONIOFORMALDEHYDE * CYSTAMIN * CYSTOGEN * FORMAMINE * FORMIN * HEXAFORM * HEXAMETHYLENAMINE * HEXAMETHYLENEAMINE * HEXAMETHYLENETETRAAMINE * HEXAMETHYLENTETRAMIN (German) * HEXAMETHYLENTETRAMINE * HEXAMINE * HEXILMETHYLENAMINE * METHAMIN * METHENAMINE * PREPARATION AF * RESOTROPIN * 1,3,5,7-TETRAAZAADAMANTANE * URITONE * UROTROPIN * UROTROPINE *
TXDS: ipr-mus LDLo:512 mg/kg CBCCT* 3,126,51
scu-rat TDLo:144 gm/kg/72WI TFX:NEO PAONAU 50A,77,72
ivn-rat LD50:9200 mg/kg AEPPAE 221,166,54

MN52000. HEXAMETHYLENTETRAMIN (German) see:MN47250 HEXAMETHYLENETETRAMINE

MN52500. HEXAMETHYLENTETRAMINE see:MN47250 HEXAMETHYLENETETRAMINE

MN69990. HEXAMINE see:JJ92750 DIPHENYLAMINE, 2,2',4,4',6,6'-HEXANITRO-

MN70000. HEXAMINE see:MN47250 HEXAMETHYLENETETRAMINE

MO09000. HEXANE, 3,4-BIS(p-HYDROXYPHENYL)- see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

MO15750. HEXANE, 1,2:5,6-DIEPOXY-
CAS: 001888817 MW: 114.16 MOLFM: O2-C6-H10
WLN: T3OTJ B- 22
SYN: 1,2:5,6-DIEPOXYHEXANE *
TXDS: ihl-mus TDLo:4566 mg/kg TFX:NEO RARSAM 3,193,63
skn-mus TDLo:17 gm/kg/70W TFX:CAR JNCIAM 39,1217,67
scu-mus TDLo:310 mg/kg/78W TFX:NEO JNCIAM 37,825,66

MO50600. HEXANITRODIPENYLAMINE (Dutch) see:JJ92750 DIPHENYLAMINE, 2,2',4,4',6,6'-HEXANITRO-

MO50850. HEXANITRODIPHENYLAMINE (French) see:JJ92750 DIPHENYLAMINE, 2,2',4,4',6,6'-HEXANITRO-

MO51200. 2,2',4,4',6,6'-HEXANITRODIPHENYLAMINE see:JJ92750 DIPHENYLAMINE, 2,2',4,4',6,6'-HEXANITRO-

MO51600. 2,4,6,2',4',6'-HEXANITRODIPHENYLAMINE see:JJ92750 DIPHENYLAMINE, 2,2',4,4',6,6'-HEXANITRO-

MO52000. HEXANOESTROL see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

MP46400. HEXANOYLETHYLENEIMINE see:CM78900 AZIRIDINE, 1-HEXANOYL-

MP54850. HEXATYPE CARMINE B see:QM28500 2-NAPHTHYLAMINE, N-ETHYL-1-((p-(PHENYLAZO)PHENYL)AZO)-

MP66500. 3-HEXENE,3,4-BIS(p-HYDROXYPHENYL)- see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

MP75250. 4-HEXENOIC ACID, 2-ACETYL-5-HYDROXY-3-OXO-, delta-LACTONE see:UP80500
2H-PYRAN-2,4(3H)-DIONE, 3-ACETYL-6-METHYL-

MP78750. 2-HEXENOIC ACID, 5-HYDROXY-, delta-LACTONE see:UQ05250 2H-PYRAN-2-ONE,
5,6-DIHYDRO-6-METHYL-

MP85750. 2-HEXEN-5,1-OLIDE see:UQ05250 2H-PYRAN-2-ONE, 5,6-DIHYDRO-6-METHYL-

MQ04000. HEXESTROL see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

MQ04600. meso-HEXESTROL see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

MQ08750. HEXILMETHYLENAMINE see:HN47250 HEXAMETHYLENETETRAMINE

MQ21500. HEXOESTROL see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

MQ36000. HEXYL (German, Dutch) see:JJ92750 DIPHENYLAMINE, 2,2',4,4',6,6'-HEXANITRO-

MQ63000. 5-n-HEXYL-1:2-BENZANTHRACENE see:CW77000 BENZ(a)ANTHRACENE, 8-HEXYL-

MQ70000. 4-HEXYL-1,3-DIHYDROXYBENZENE see:VE15750 RESORCINOL, 4-HEXYL-

MQ85750. HEXYLRESORCINOL see:VH15750 RESORCINOL, 4-HEXYL-

MQ87500. p-HEXYLRESORCINOL see:VH15750 RESORCINOL, 4-HEXYL-

MQ88000. 4-HEXYLRESORCINOL see:VH15750 RESORCINOL, 4-HEXYL-

MQ89250. 4-n-HEXYLRESORCINOL see:VH15750 RESORCINOL, 4-HEXYL-

MQ91000. 4-HEXYLRESORCINE see:VH15750 RESORCINOL, 4-HEXYL-

MQ97000. 3-HEXYNE, 1,2:5,6-DIEPOXY-2,5-DIMETHYL-
MW: 138.18 MOLFM: O2-C8-H10
SYN: 2,5-DIMETHYL-1,2,5,6-DIEPOXYHEX-3-YNE *
TXDS: scu-mus TDLo:1040 mg/kg/26WI TFX:NEO JNCIAM 53,695,74

MP07000. HGI see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

MR08750. HFDN see:IO21000 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-, endo,exo-

MR10500. HIA see:NS17500 ISONICOTINIC ACID HYDRAZIDE

MR17500. HIBESTROL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

MR20000. HIDACID AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

MR22750. HIDACID AZURE BLUE see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

MR24500. HIDACID EMERALD GREEN see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENYL)AMINO-alpha-PHENYLBENYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, inner SALT, SODIUM SALT

MR26250. HIDACID FAST SCARLET 3R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

MR28000. HIDACID SCARLET 2R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

MR29750. HIDACID ORANINE see:LM54250 FLUORESCEIN, DISODIUM SALT

MR31000. HIDACID WOOL GREEN see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

MR31600. HIDACID WOOL VIOLET 5B see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

MR43200. HIDACO OIL ORANGE see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

MR43750. HIDACO OIL RED see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

MR45500. HIDACO OIL YELLOW see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

MR46200. HIDAN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

MR47250. HIDANTAL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

MR47500. HIDANTILO see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

MR47800. HIDANTINA see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

MR48200. HIDANTINA SENOSIAN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

MR48500. HIDANTINA VITORIA see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

MR48700. HIDANTOMIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

MR50000. HIDRANIZIL see:NS17500 ISONICOTINIC ACID HYDRAZIDE

MR50750. HIDRASONIL see:NS17500 ISONICOTINIC ACID HYDRAZIDE

MR51350. HIDROESTRON see:KG40500 ESTRADIOL, 3-BENZOATE

MR51500. HIDRULTA see:NS17500 ISONICOTINIC ACID HYDRAZIDE

MR51900. HIDRUN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

MR52100. HIESTRONE see:KG85750 ESTRONE

MR54250. HILTONIL FAST BLUE B BASE see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

MR56000. HILTOSAL FAST BLUE B SALT see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

MR71750. HINDASOL BLUE B SALT see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

MR76200. HINDATAL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

MR87500. HISPACID BRILLIANT SCARLET 3RF see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

MR91000. HISPACID GREEN GB see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

MR91500. HISPACID ORANGE 1 see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

MR91750. HISPACID RED AM see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

MR96200. HISPAMIN BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

MR96250. HISPAMIN BLUE 3BX see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

MS10500. HISTAMINE
CAS: 000051456 MW: 111.12 MOLFM: N3-C5-H9
WLN: T5M CNJ D2Z
SYN: ERAMIN * ERGAMINE * ERGOTIDINE * ETHYLAMINE, 2-IMIDAZOL-4-YL- * FREE HISTAMINE * IMIDAZOLE-4-ETHYLAMINE * IMIDAZOLE, 4-(2-AMINOETHYL)-

* 4-IMIDAZOLEETHYLAMINE * 5-IMIDAZOLEETHYLAMINE * beta-IMIDAZOLYL-
4-ETHYLAMINE * 2-(4-IMIDAZOLYL)ETHYLAMINE * THERAMINE *
TXDS: scu-rat LDLo:250 mg/kg AEPPAE 185,461,37
scu-rat TDLo:3000 mg/kg/104WI TFX:NEO BUCABS 39,4,52
scu-mus LDLo:600 mg/kg AEPPAE 185,461,37
ivn-dog LDLo:30 mg/kg 27ZIAQ -,120,73
ivn-mky LD50:50 mg/kg 12VXA5 8,532,68
scu-cat LDLo:34 mg/kg AEPPAE 185,461,37
scu-gpg LD50: 0.5 mg/kg NDRC** -,115,43
ivn-gpg LD50:180 ug/kg JPETAB 95,45,49

MS14000. HISTAMINE, DICHLORIDE see:MS15750 HISTAMINE, DIHYDROCHLORIDE

MS15750. HISTAMINE, DIHYDROCHLORIDE
CAS: 000056928 MW: 184.10 MOLFM: N3-C5-H9 .2Cl-H
WLN: T5M CNJ D2Z &GH &GH
SYN: HISTAMINE DICHLORIDE *
TXDS: scu-mus LDLo:1300 mg/kg AEPPAE 166,437,32
scu-mus TDLo:1100 mg/kg/26WI TFX:NEO BUCABS 36,305,49
ivn-gpg LDLo:500 ug/kg JPETAB 90,223,47
par-gpg LDLo:570 ug/kg AEPPAE 211,328,50

MS33250. HISTOCARB see:CF92750 ARSANILIC ACID, N-CARBAMOYL-

MS52500. HN2 see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

MS54250. HN2 see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, HYDROCHLORIDE

MS56000. HN2.HCl see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, HYDROCHLORIDE

MS57750. HN2 HYDROCHLORIDE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, HYDROCHLORIDE

MS70000. HOELITE see:CB47250 ANTHRAQUINONE

MT03500. HOMOCYSTEINE, S-ETHYL- see:ES68250 BUTYRIC ACID, 2-AMINO-4-(ETHYLTHIO)-

MT05250. DL-HOMOCYSTEINE, S-ETHYL- see:ES70000 BUTYRIC ACID, 2-AMINO-4-(ETHYLTHIO)-, DL-

MT08500. HOMOSTERON see:XA30300 TESTOSTERONE

MT08600. HOMOSTERONE see:XA30300 TESTOSTERONE

MT20650. HORMOESTROL see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

MT21000. HORMOFLAVEINE see:TW01750 PROGESTERONE

MT21600. HORMOPOLLIN see:KG85750 ESTRONE

MT22200. HORMOGYNON see:KG40500 ESTRADIOL, 3-BENZOATE

MT22750. HORMOLUTON see:TW01750 PROGESTERONE

MT24850. HORMOVARINE see:KG85750 ESTRONE

MT33250. HOSTAQUICK see:OV64750 MERCURY, (ACETATO)PHENYL-

MT35000. HOSTAQUIK see:OV64750 MERCURY, (ACETATO)PHENYL-

MT36500. HPA see:WR10500 SULFONAMIDE, 4-(ETHYLSULFONYL)-1-NAPHTHALENE-

MT36600. beta-HPPN see:UI31500 PROPYLAMINE, N-(2-HYDROXYPROPYL)-N-NITROSO-

MT51200. HS see:FM87500 CHLORAL HYDRATE

MT78750. HYCOZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

MT79200. HYDANTAL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

MT79800. HYDANTIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

MT82200. HYDANTOIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

MT86500. HYDANTOINAL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

MU10500. HYDANTOIN, 5,5-DIPHENYL-
CAS: 000057410 MW: 252.27 MOLFM: N2-O2-C15-H12
WLN: T5MVMV EEJ ER& ER
SYN: ALEVIATIN * ANTISACER * AURANILE * CAUSOIN * CITRULLAMON *
CITRULLIAMON * COMITAL * COMITOINA * CONVUL * DANTEN * DANTINAL
* DENYL * DANTOINAL * DANTOINAL KLINOS * DANTOINE * DIFENIN
* DIFETOIN * DIPHYDAN * DIHYCON * DI-HYDAN * DIHYDANTOIN

* DILABID * DI-LAN * DILANTIN * DILLANTIN * DINTOIN * DINTOINA
* DIPHANTOIN * DIPHEDAL * DIPHEDAN * DIPHENIN * DIPHENINE
* DIPHENTOIN * DIPHENYLAN * DIPHENYLHYDANTOIN * 5,5-DIPHENYLHYDANTOIN
* DIPHENYLHYDATANOIN * 5,5-DIPHENYLIMIDAZOLIDIN-2,4-DIONE * 5,
5-DIPHENYL-2,4-IMIDAZOLIDINEDIONE * DI-PHETINE * DITOINATE * DPH
* EKKO CAPSULES * ELEPSINDON * ENKELPEL * EPAMIN * EPANUTIN
* EPASMIR "5" * EPDANTOINE SIMPLE * EPELIN * EPIPENYL * EPIHYDAN
* EPILAN-D * EPILANTIN * EPINAT * EPISED * EPTAL * EPTOIN
* FENANTOIN * FENIDANTOIN "S" * FENITOINA * FENTOIN * FENYLEPSIN
* FENYTOINE * GEROT-EPILAN-D * HIDAN * HIDANTAL * HIDANTILO
* HIDANTINA * HIDANTINA SENOSIAN * HIDANTOMIN * HINDATAL * HYDANTAL
* HYDANTIN * HYDANTOIN * HYDANTOINAL * ICTALIS SIMPLE * IDANTOIL
* IDANTOIN * KESSODANTEN * LABOPAL * LEPITOIN * LEPSIN * MINETOIN
* NEOS-HIDANTOINA * NEOSIDANTOINA * NOVANTOINA * OM HIDANTOINA
SIMPLE * HIDANTINA VITORIA * OM-HYDANTOINE * OXYLAN * PHANANTIN
* PHANATINE * PHENATINE * PHENATOINE * PHENTOIN * PHENYTOIN
* RITMENAL * SACERIL * SANEPIL * SILANTIN * SODANTOIN * SODANTON
* SOLANTIN * SOLANTOIN * SOLANTYL * SYLANTOIC * TACOSAL
* THILOPHENYL * TOIN * TOIN UNICELLES * ZENTRONAL * ZENTROPIL
*

TXDS: orl-man TDLo:15 gm/kg TFX:CNS ARNEAS 27,453,72
orl-hmn TDLo:1 mg/kg TFX:PSY 12VXA5 7,381,60
orl-rat TDLo:1500 mg/kg TFX:CAR CNREA8 26,619,66
ipr-rat LD50:280 mg/kg 27ZQAG -,224,72
ipr-rat TDLo:100 mg/kg/(7-10D preg) TFX:TER TXAPA9 22,193,72
scu-rat TDLo:150 mg/kg/(10-15D preg) TFX:TER TXAPA9 22,193,72
orl-mus LD50:315 mg/kg 27ZQAG -,224,72
ipr-mus LD50:180 mg/kg DPHPAK 21,113,69
ipr-mus TDLo:1370 mg/kg/66DI TFX:CAR MGONAD 12,39,68
ipr-mus TDLo:50 mg/kg/(11-13D preg) TFX:TER TXAPA9 22,291,72
scu-mus TDLo:50 mg/kg/(9-15D preg) TFX:TER JOTPAX 2,380,66
ivn-dog LD50:90 mg/kg 27ZQAG -,224,72
ivn-rbt LD50:125 mg/kg 27ZQAG -,224,72

MU17500. HYDANTOIN, 5,5-DIPHENYL-2-THIO-
CAS: 021083476 MW: 268.35 MOLFM: N2-O-S-C15-H12
WLN: T5MYMV EHJ BUS ER& ER
SYN: 5,5-DIPHENYL-2-THIOHYDANTOIN *
TXDS: orl-rat TDLo:2000 mg/kg/30D TFX:NEO CNREA8 28,924,68

MU45500. HYDRACRYLIC ACID,beta,LACTONE see:RQ73500 2-OXETANONE

MU68250. HYDRAZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

MU69000. HYDRAZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

MU71750. HYDRAZINE
CAS: 000302012 MW: 32.06 MOLFM: N2-H4
WLN: ZQ
TXDS: ihl-rat LC50:570 ppm/4H AMIHAB 12,609,55
ihl-mus LC50:252 ppm/4H AMIHAB 12,609,55
ipr-mus TDLo:400 mg/kg/5WI TFX:CAR UICMAI 7,180,67
unk-mus LD50:200 mg/kg EJCAAI 6,160,52
skn-dog LDLo:90 mg/kg TXAPA9 21,186,72
skn-rbt LD50:91 mg/kg AMIHBC 9,199,54
ivn-rbt LD50:20 mg/kg AMIHBC 9,199,54
skn-gpg LD50:192 mg/kg ACCW** -,2027,56
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 1 ppm (skin) PEREAC 37,22139,72

MU74000. HYDRAZINE, 1-ACETYL-2-ISONICOTINOYL-
MW: 179.20 MOLFM: N3-O2-C8-H9
TXDS: orl-mus TDLo:364 gm/kg/65WC TFX:NEO EJCAAH 9,285,73

MV08750. HYDRAZINE, CARBAMOYL- see:VT29750 SEMICARBAZIDE

MV09600. HYDRAZINE, 1-CARBAMOYL-2-PHENYL- see:PD05750 CARBAMIC ACID, 2-PHENYLHYDRAZIDE

MV15750. HYDRAZINECARBOXAMIDE see:VT29750 SEMICARBAZIDE

MV22750. HYDRAZINE, 1,2-DIETHYL-
CAS: 001615801 MW: 88.18 MOLFM: N2-C4-H12
WLN: 2M2
SYN: 1,2-DIETHYLHYDRAZINE * sym-DIETHYLHYDRAZINE *
TXDS: scu-rat TDLo:770 mg/kg/30WC TFX:CAR NATWAY 53,557,66
ivn-rat TDLo:770 mg/kg/28WI TFX:CAR NATWAY 53,557,66
ivn-rat TDLo:50 mg/kg (15th D of preg) TFX:TER EXPEAM 24,561,68

MV24500. HYDRAZINE, 1,1-DIMETHYL-
CAS: 000057147 MW: 60.10 MOLFM: N2-C2-H8
WLN: ZN1&1
SYN: DIMAZINE * DIMETHYLHYDRAZINE * asymmetric DIMETHYLHYDRAZINE * N,

N-DIMETHYLHYDRAZINE * uns-DIMETHYLHYDRAZINE * unsym-DIMETHYLHYDRAZINE * 1,1-DIMETHYL HYDRAZINE * UDMH *

TXDS: ihl-rat LC50:252 ppm/4H — AMIHAB 12,609,55
ipr-rat LD50:102 mg/kg — TXAPA9 6,371,64
orl-mus TDLo:7902 mg/kg/30WC TFX:CAR — JNCIAM 50,181,73
ihl-mus LC50:172 ppm/4H — AMIHAB 12,609,55
ipr-mus LD50:125 mg/kg — AMRL** -,141,69
ihl-dog LC50:3578 ppm/15M — AIHAAP 24,137,63
ipr-mky LD50:60 mg/kg — IMSUAI 34,430,65
ivn-rbt LD50:1060 mg/kg — ACCW** -,2027,56
skn-gpg LD50:1329 mg/kg — ACCW** -,2027,56
ihl-ham LC50:392 ppm/4H — AMIHAB 12,609,55
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 1 mg/m3(skin) — FEREAC 37,22139,72

MV26250. HYDRAZINE, 1,2-DIMETHYL-
CAS: 000540738 MW: 60.12 MOLFM: N2-C2-H8
WLN: 1MM1
SYN: N,N'-DIMETHYLHYDRAZINE * 1,2-DIMETHYLHYDRAZIN (German) * 1,2-DIMETHYL-HYDRAZINE * sym-DIMETHYLHYDRAZINE * HYDRAZOMETHANE * SDMH *

TXDS: orl-rat LD50:100 mg/kg — NATWAY 54,285,67
ihl-rat LCLo:280 ppm/4H — AMIHAB 12,609,55
scu-rat LD50:220 mg/kg — XENO** 3,271,73
scu-rat TDLo:260 mg/kg/13WI TFX:CAR — NATWAY 58,221,71
ims-ham LD50:95 mg/kg — ARZNAD 19,1891,69
ims-ham TDLo:146 mg/kg/34WI TFX:CAR — ARZNAD 19,1040,69

MV28000. HYDRAZINE, 1,2-DIMETHYL-, DIHYDROCHLORIDE
CAS: 000306376 MW: 133.04 MOLFM: N2-C2-H8 .2Cl-H
WLN: 1MM1 &GH &GH
SYN: N,N'-DIMETHYLHYDRAZINE DIHYDROCHLORIDE * sym-DIMETHYLHYDRAZINE DIHYDROCHLORIDE * 1,2-DIMETHYLHYDRAZINE DIHYDROCHLORIDE *

TXDS: orl-rat LD50:221 mg/kg — TCIS** -,-,72
scu-rat LD50:476 mg/kg — TCIS** -,-,72
scu-rat TDLo:573 mg/kg/37WI TFX:CAR — TCIS** -,-,72
orl-mus TDLo:730 mg/kg/45WC TFX:CAR — AJPAA4 64,585,71
orl-ham TDLo:28 mg/kg/22WC TFX:CAR — CNREA8 32,804,72

MV35000. HYDRAZINE, 1,2-DIPHENYL- see:MW26250 HYDRAZOBENZENE

MV46000. HYDRAZINE HYDRATE see:MV80500 HYDRAZINE, MONOHYDRATE

MV56000. HYDRAZINE, METHYL-
CAS: 000060344 MW: 46.08 MOLFM: N2-C-H6
WLN: ZM1
SYN: METHYLHYDRAZINE * 1-METHYLHYDRAZINE * MONOMETHYLHYDRAZINE * MMH *

TXDS: ihl-rat LC50:74 ppm/4H — AMIHAB 12,609,55
skn-rat LD50:183 mg/kg — CTOXAO 4,435,71
ipr-rat LD50:21 mg/kg — CTOXAO 4,435,71
ivn-rat LD50:17 mg/kg — CTOXAO 4,435,71
ihl-mus LC50:56 ppm/4H — AMIHAB 12,609,55
orl-mus TDLo:100 mg/kg/(8-12D preg) TFX:TER — CRSSAF 163,16,69
ihl-dog LC50:96 ppm/1H — AIHAAP 31,667,70
ihl-mky LC50:82 ppm/1H — AIHAAP 31,667,70
orl-rbt TDLo:200 mg/kg/(14D preg) TFX:TER — CRSSAF 163,16,69
skn-rbt LD50:96 mg/kg — ACCW** -,2027,56
ivn-rbt LD50:12 mg/kg — ACCW** -,2027,56
skn-gpg LD50:49 mg/kg — ACCW** -,2027,56
orl-ham LD50:22 mg/kg — CTOXAO 4,435,71
orl-ham TDLo:3000 mg/kg/47WC TFX:CAR — CNREA8 33,2744,73
ihl-ham LC50:143 ppm/4H — AMIHAB 12,609,55
skn-ham LD50:239 mg/kg — CTOXAO 4,435,71
ipr-ham LD50:21 mg/kg — CTOXAO 4,435,71
U.S. OCCUPATIONAL STANDARD USOS-air:CL350 ug/m3(skin) — FEREAC 37,22139,72

MV61250. HYDRAZINE, METHYL-BUTYL-
MW: 102.21 MOLFM: N2-C5-H14
SYN: METHYL-BUTYL-HYDRAZINE *
TXDS: orl-rat TDLo:1425 mg/kg/57WI TFX:CAR — TCIS** -,-,72
scu-rat TDLo:1500 mg/kg/60WI TFX:CAR — TCIS** -,-,72

MV80500. HYDRAZINE, MONOHYDRATE
CAS: 007803578 MW: 50.08 MOLFM: N2-H4 .O-H2
WLN: ZZ &QH
SYN: HYDRAZINE HYDRATE *
TXDS: orl-rat LD50:129 mg/kg — HYSAAV 30,191,65
orl-mus LD50:83 mg/kg — HYSAAV 30,191,65
skn-mus TDLo:80 gm/kg/43WI TFX:CAR — LAPPA5 25,149,65
orl-rbt LD50:55 mg/kg — HYSAAV 30,191,65
ivn-rbt LD50:25 mg/kg — 12VXA5 8,539,68
orl-gpg LD50:40 mg/kg — HYSAAV 30,191,65

MV96250. HYDRAZINE, SULFATE (1:1)
CAS: 010034932 MW: 127.11 MOLFM: N2-H3 .O4-S
WLN: WSQQ &ZZ
SYN: SIRAN HYDRAZINU (Czech) *
TXDS: orl-rat LD50:601 mg/kg 28ZPAR -,15,72
orl-rat TDLo:38 gm/kg/68WI TFX:NEO JNCIAM 41,331,68
scu-rat LDLo:250 mg/kg 12VXA5 8,540,68
orl-mus TDLo:1280 mg/kg/4WI TFX:CAR BJCAAI 18,543,64
ipr-mus LDLo:250 mg/kg NTIS** AD691-490
ipr-mus TDLo:832 mg/kg/8WI TFX:CAR JNCIAM 42,337,69

MW03500. 2-HYDRAZINO-4-(4-AMINOPHENYL) THIAZOLE see:XJ28800 THIAZOLE, 4-(p-AMINOPHENYL)-2-HYDPAZINO-

MW10000. 2-HYDRAZINOETHANOL see:KL28000 ETHANOL, 2-HYDRAZINO-

MW12250. 2-HYDRAZINO-4-(5-NITRO-2-FURYL)THIAZOLE see:XJ49000 THIAZOLE, 2-HYDRAZINO-4-(5-NITRO-2-FURYL)-

MW14000. 2-HYDRAZINO-4-(4-NITROPHENYL)THIAZOLE see:XJ50750 THIAZOLE, 2-HYDRAZINO-4-(p-NITROPHENYL)-

MW25400. HYDRAZOBENZEN (Czech) see:MW26250 HYDRAZOBENZENE

MW26250. HYDRAZOBENZENE
CAS: 000122667 MW: 184.26 MOLFM: N2-C12-H12
WLN: RMMR
SYN: BENZENE, HYDRAZODI- * N,N'-BIANILINE * HYDRAZINE, 1,2-DIPHENYL- * HYDRAZOBENZEN (Czech) *
TXDS: orl-rat LD50:301 mg/kg NCIMR* NIH-71-E-2144
scu-rat TDLo:16 gm/kg/1YI TFX:NEO CANCAR 3,789,50

MW29750. HYDRAZOMETHANE see:MV26250 HYDRAZINE,1,2-DIMETHYL-

MW39000. HYDROCHINON (Czech, Polish) see:MX35000 HYDROQUINONE

MX23300. 6-beta-HYDROPEROXY-delta(sup 4)-CHOLESTEN-3-ONE see:PZ81000 CHOLEST-4-EN-3-ONE, 6-beta-HYDROPEROXY-

MX24000. 6-HYDROPEROXY-4-CHOLESTEN-3-ONE see:PZ81000 CHOLEST-4-EN-3-ONE, 6-beta-HYDROPEROXY-

MX24500. HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-
CAS: 000080159 MW: 152.21 MOLFM: O2-C9-H12
WLN: QOXR
SYN: CUMEENHYDROPEROXYDE (Dutch) * CUMENE HYDROPEROXIDE * CUMENT HYDROPEROXIDE * CUMENT HYDROPEROXIDE * alpha-CUMYL HYDROPEROXIDE * CUMENYL HYDROPEROXIDE * CUMOLHYDROPEROXID (German) * CUMYL HYDROPEROXIDE * alpha-CUMYL HYDROPEROXIDE * alpha-CUMYL HYDROPEROXIDE * alpha,alpha-DIMETHYLBENZYL HYDROPEROXIDE * HYDROPEROXYDE DE CUMENE (French) * HYDROPEROXYDE DE CUMYLE (French) * IDROPEROSSIDO DI CUMENE (Italian) * IDROPEROSSIDO DI CUMOLO (Italian) * ISOPROPYLBENZENE HYDROPEROXIDE *
TXDS: orl-rat LD50:382 mg/kg AIHAAP 19,205,58
ihl-rat LC50:220 ppm/4H AIHAAP 19,205,58
ipr-rat LD50:95 mg/kg AIHAAP 19,205,58
scu-rat LD50: 400 mg/kg GISAAA 26,22,61
orl-mus LDLo:5000 mg/kg SCCUR* -,3,61
ihl-mus LC50:200 ppm/4H AIHAAP 19,205,58
ihl-mus TDLo:304 mg/kg TFX:NEO RAESAM 3,193,63
ipr-mus LDLo:90 mg/kg TXAPA9 23,288,72
scu-mus TDLo:10 gm/kg/76WI TFX:NEO JNCIAM 37,825,66

MX28000. 6-beta-HYDROPEROXYCHOLEST-4-EN-3-ONE see:PZ81000 CHOLEST-4-EN-3-ONE, 6-beta-HYDROPEROXY-

MX28660. HYDROPEROXYDE DE CUMENE (French) see:MX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

MX29000. HYDROPEROXYDE DE CUMYLE (French) see:MX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

MX31500. HYDROQUINOL see:MX35000 HYDROQUINONE

MX33250. HYDROQUINOLE see:MX35000 HYDROQUINONE

MX35000. HYDROQUINONE
CAS: 000123319 MW: 110.06 MOLFM: O2-C6-H6
WLN: QR DQ
SYN: ARCTUVIN * BENZENE, p-DIHYDROXY- * p-BENZENEDIOL * 1,4-BENZENEDIOL * BENZOHYDROQUINONE * BENZOQUINOL * 1,4-DIHYDROXY-BENZEEN (Dutch) * 1,4-DIHYDROXYBENZEN (Czech) * p-DIHYDROXYBENZENE * 1,4-DIHYDROXY-BENZOL (German) * 1,4-DIIDROBENZENE (Italian) * p-DIOXYBENZENE * ELDOQUIN * HYDROCHINON (Czech,Polish) * HYDROQUINOL * HYDROQUINOLE * p-HYDROQUINONE * IDROCHINONE (Italian) * QUINOL * TECQUINOL * TENOX

HQ * TEQUINOL *
TXDS: orl-rat LD50:370 mg/kg JIHTAB 31,79,49
ipr-rat LD50:170 mg/kg JIHTAB 31,79,49
skn-mus TDLo:800 mg/kg TFX:NEO BJCAAI 9,177,55
orl-rat LD50:320 mg/kg FEPRA7 8,348,49
scu-rat LDLo:200 mg/kg 27ZRAJ 1,-,56
ivn-rat LD50:115 mg/kg FEPRA7 8,348,49
orl-mus LD50:400 mg/kg FEPRA7 8,348,49
ipr-mus LDLo:100 mg/kg NTIS** AD414-344
scu-mus LD50:190 mg/kg INHEAO 5,143,67
unk-mus LD50:150 mg/kg BJCAAI 6,160,52
orl-dog LD50:200 mg/kg FEPRA7 8,348,49
orl-cat LD50:70 mg/kg FEPRA7 8,348,49
ipr-rbt LD50:125 mg/kg JIHTAB 31,79,49
orl-gpg LD50:550 mg/kg FEPRA7 8,348,49
ipr-gpg LDLo:150 mg/kg 27ZRAJ 1,-,56
scu-pgp LDLo:200 mg/kg 27ZRAJ 1,-,56
orl-pgn LD50:300 mg/kg FEPRA7 8,348,49
par-frg LDLo:190 mg/kg AEPPAE 166,437,32
U.S. OCCUPATIONAL STANDARD OSOS-air:TWA 2 mg/m3 FEREAC 37,22139,72

MX36750. p-HYDROQUINONE see:MX35000 HYDROQUINONE

MX42000. HYDROQUINONE, 2,5-BIS((BIS(2-CHLOROETHYL)AMINO)METHYL-
CAS: 004420795 MW: 418.22 MOLFM: N2-O2-C14-C16-H24
WLN: G2N2G1 2 DR BQ EQ
SYN: HYDROQUINONE MUSTARD * NSC-18321 * WEATHERBEE MUSTARD *
TXDS: ipr-mus TDLo:28 mg/kg/4W TFX:CAR JNCIAM 36,915,66

MX73500. HYDROQUINONE MUSTARD see:MX42000 HYDROQUINONE, 2,5-BIS((BIS(2-CHLOROETHYL)AMINO)METHYL-

MX94500. N-HYDROXY-4-ACETAMIDOBIPHENYL see:AK82250 ACETOHYDROXAMIC ACID, N-4-BIPHENYLYL-

MX96250. N-HYDROXY-4-ACETAMIDODIPHENYL see:AK82250 ACETOHYDROXAMIC ACID, N-4-BIPHENYLYL-

MX98000. N-HYDROXY-2-ACETAMIDOFLUORENE see:AK85750 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-

MY03500. trans-N-HYDROXY-4-ACETAMIDOSTILBENE see:AL17500 ACETOHYDROXAMIC ACID, trans-N-(p-STYRYLPHENYL)-

MY04000. 4'-HYDROXY-4-ACETAMIDOSTILBENE see:AE42800 ACETANILIDE, 4-(p-HYDROXYSTYRYL)-

MY10500. N-HYDROXY-4-ACETYLAMINOBIBENZYL see:AL12250 ACETOHYDROXAMIC ACID, N-(p-PHENETHYL)PHENYL-

MY12250. N-HYDROXY-4-ACETYLAMINOBIPHENYL see:AK82250 ACETOHYDROXAMIC ACID, N-4-BIPHENYLYL-

MY14000. N-HYDROXY-2-ACETYLAMINOFLUORENE see:AK85750 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-

MY15750. N-HYDROXY-2-ACETYLAMINOFLUORENE, COBALTOUS CHELATE see:AK89250 ACETOHYDROXAMIDIC ACID, N-FLUOREN-2-YL-, COBALT(2+) COMPLEX

MY17500. N-HYDROXY-2-ACETYLAMINOFLUORENE, CUPRIC CHELATE see:AK91000 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, COPPER(2+) COMPLEX

MY19250. N-HYDROXY-2-ACETYLAMINOFLUORENE, FERRIC CHELATE see:AK94500 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, IRON(3+) COMPLEX

MY20000. N-HYDROXY-2-ACETYLAMINOFLUORENE-O-GLUCURONIDE see:AK92750 ACETOHYDROXAMIC ACID, FLUOREN-2-YL-O-GLUCURONIDE

MY21000. N-HYDROXY-2-ACETYLAMINOFLUORENE, MANGANOUS CHELATE see:AK96250 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, MANGANESE(2+) COMPLEX

MY22750. N-HYDROXY-2-ACETYLAMINOFLUORENE, NICKELOUS CHELATE see:AK98000 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, NICKEL(2+) COMPLEX

MY24500. N-HYDROXY-2-ACETYLAMINOFLUORENE, POTASSIUM SALT see:AL01750 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, POTASSIUM SALT

MY26250. N-HYDROXY-2-ACETYLAMINOFLUORENE, ZINC CHELATE see:AL03500 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, ZINC COMPLEX

MY28000. N-HYDROXY-2-ACETYLAMINOPHENANTHRENE see:AL10500 ACETOHYDROXAMIC ACID, N-2-PHENANTHRYL-

MY29750. trans-N-HYDROXY-4-ACETYLAMINOSTILBENE see:AL17500 ACETOHYDROXAMIC ACID, trans-N-(p-STYRYLPHENYL)-

MY31500. N-HYDROXY-4-ACETYLAMINOSTILBENE CUPRIC CHELATE see:AL19250ACETOHYDROXAMIC ACID, trans-N-(p-STYRYLPHENYL)-, COPPER(2+) COMPLEX

MY43750. N-HYDROXY-2-AMINOFLUORENE see:NC35700 HYDROXYLAMINE, N-FLUOREN-2-YL-

MY44000. N-HYDROXY-3-AMINOFLUORENE see:NC36000 HYDROXYLAMINE, N-FLUOREN-3-YL-

MY45500. 4-(HYDROXYAMINO)-5-METHYLQUINOLINE 1-OXIDE see:VB87500 QUINOLINE, 4-(HYDROXYAMINO)-5-METHYL-, 1-OXIDE

MY47250. 4-(HYDROXYAMINO)-6-METHYLQUINOLINE 1-OXIDE see:VB89250 QUINOLINE, 4-(HYDROXYAMINO)-6-METHYL-, 1-OXIDE

MY49000. 4-(HYDROXYAMINO)-7-METHYLQUINOLINE 1-OXIDE see:VB91000 QUINOLINE, 4-(HYDROXYAMINO)-7-METHYL-, 1-OXIDE

MY50750. 4-(HYDROXYAMINO)-8-METHYLQUINOLINE 1-OXIDE see:VB92750 QUINOLINE, 4-(HYDROXYAMINO)-8-METHYL-, 1-OXIDE

MY52500. N-HYDROXY-1-AMINONAPHTHALENE see:NC40250 HYDROXYLAMINE, N-1-NAPHTHYL-

MY54250. 4-(HYDROXYAMINO)-6-NITROQUINOLINE 1-OXIDE see:VB94500 QUINOLINE, 4-(HYDROXYAMINO)-6-NITRO-, 1-OXIDE

MY56000. 4-(HYDROXYAMINO)-7-NITROQUINOLINE 1-OXIDE see:VB96250 QUINOLINE, 4-(HYDROXYAMINO)-7-NITRO-, 1-OXIDE

MY61250. 4-(HYDROXYAMINO)QUINALDINE 1-OXIDE see:VC07000 QUINOLINE, 2-METHYL-4-HYDROXYLAMINO-, 1-OXIDE

MY63000. 4-(HYDROXYAMINO)-6-QUINOLINECARBOXYLIC ACID 1-OXIDE see:VB21000 6-QUINOLINECARBOXYLIC ACID, 4-(HYDROXYAMINO)-, 1-OXIDE

MY66500. 4-(HYDROXYAMINO)QUINOLINE 1-OXIDE see:VB98000 QUINOLINE, 4-(HYDROXYAMINO)-, 1-OXIDE

MY68250. 4-(HYDROXYAMINO)QUINOLINE 1-OXIDE, HYDROCHLORIDE see:VC01750 QUINOLINE, 4-(HYDROXYAMINO)-, 1-OXIDE, HYDROCHLORIDE

MY68600. N-HYDROXY-4-AMINOSTILBENE see:NC50750 HYDROXYLAMINE, N-(p-STYRYLPHENYL)-

MY70350. 17-beta-HYDROXYANDROST-4-EN-3-ONE see:XA30300 TESTOSTERONE

MY70700. 17-beta-HYDROXY-4-ANDROSTEN-3-ONE see:XA30300 TESTOSTERONE

MY71000. 17-beta-HYDROXY-delta(sup 4)-ANDROSTEN-3-ONE see:XA30300 TESTOSTERONE

MY77000. 3-HYDROXYANTHRANILIC ACID see:DG26250 BENZOIC ACID, 2-AMINO-3-HYDROXY-

MY78750. 3-(3-HYDROXYANTHRANILOYL)-L-ALANINE see:AY66500 L-ALANINE, 3-(3-HYDROXYANTHRANILOYL)-

MY85400. 2-HYDROXY-1,1'-AZONAPHTHALENE-3,6,4'-TRISULFONIC ACID TRISODIUM SALT see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

MY92750. 3-HYDROXY-1,2-BENZANTHRACENE
TXDS: scu-mus TDLo:1240 mg/kg TFX:NEO JNCIAM 1,303,40

MY96250. HYDROXYBENZENE see:SJ33250 PHENOL

MZ10500. 8-HYDROXY-3,4-BENZPYRENE see:DJ82250 BENZO(a)PYREN-3-OL

MZ24500. N-HYDROXY-4-BIPHENYLBENZAMIDE see:DF98000 BENZOHYDROXAMIC ACID, N-4-BIPHENYLYL-

MZ26250. HYDROXY-4-BIPHENYLYLBENZENESULFONAMIDE see:DB03500 BENZENESULFONAMIDE, N-4-BIPHENYLYL-N-HYDROXY-

~~MZ31500.~~ ~~HYDROXYBUTANOIC ACID LACTONE~~ ~~see:LU35600 2(3H)-FURANONE, DIHYDRO-~~

MZ40250. gamma-HYDROXYBUTYRIC ACID CYCLIC ESTER see:LU35000 2(3H)-FURANONE, DIHYDRO-

MZ42000. gamma-HYDROXYBUTYRIC ACID LACTONE see:LU35000 2(3H)-FURANONE, DIHYDRO-

MZ50750. HYDROXYCARBAMIC ACID ETHYL ESTER see:FB17500 CARBAMIC ACID, HYDROXY-, ETHYL ESTER

MZ61250. 3beta-HYDROXYCHOLEST-5-ENE see:FZ84000 CHOLESTEROL

MZ62600. 6-beta-HYDROXY-4-CHOLESTEN-3-ONE mixed with EPICHOLESTEROL (1:1) see:FZ81500 CHOLEST-4-EN-3-ONE, 6-HYDROXY- mixed with CHOLEST-5-EN-3-alpha-OL (1:1)

MZ68250. o-HYDROXYCINNAMIC ACID LACTONE see:GN42000 COUMARIN

MZ82250. 14-HYDROXYDAUNORUBICINE see:AV98000 ADRIAMYCIN

NA07000. 1-HYDROXY-2,4-DIMETHYLBENZENE see:ZE56000 2,4-XYLENOL

NA51600. 16-alpha-HYDROXYESTRADIOL see:KG82250 ESTRIOL

NA52400. 3-HYDROXYESTRA-1,3,5(10),7-TETRAEN-17-ONE see:KG66500 ESTRA-1,3,5(10),7-TETRAEN-17-ONE, 3-HYDROXY-

NA53300. 3-HYDROXYESTRA-1,3,5(10)-TRIEN-17-ONE see:KG85750 ESTRONE

NA54250. HYDROXYESTRIN BENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

NA75250. beta-HYDROXY-1-ETHYLAZIRIDINE see:CM70000 1-AZIRIDINE ETHANOL

NA77500. 10-beta-HYDROXYETHYL-1:2-BENZANTHRACENE see:CW52500 BENZ(a)ANTHRACENE-7-ETHANOL

NA78750. N-HYDROXY ETHYL CARBAMATE see:FB17500 CARBAMIC ACID, HYDROXY-, ETHYL ESTER

NA92750. N-HYDROXYETHYL ETHYLENE IMINE see:CM70000 1-AZIRIDINE ETHANOL

NB04400. HYDROXYETHYL HYDRAZINE see:KL28000 ETHANOL, 2-HYDRAZINO-

NB05200. beta-HYDROXYETHYLHYDRAZINE see:KL28000 ETHANOL, 2-HYDRAZINO-

NB05250. N-(2-HYDROXYETHYL)HYDRAZINE see:KL28000 ETHANOL, 2-HYDRAZINO-

NB21700. 1-HYDROXYETHYL-2-METHYL-5-NITROIMIDAOLE see:NI56000 IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-

NB21900. 1-(beta-HYDROXYETHYL)-2-METHYL-5-NITROIMIDAOLE see:NI56000 IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-

NB22200. 1-(2-HYDROXYETHYL)-2-METHYL-5-NITROIMIDAZOLE see:NI56000 IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-

NB22500. 1-(2-HYDROXY-1-ETHYL)-2-METHYL-5-NITROIMIDAZOLE see:NI56000 IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-

NB63000. N-HYDROXY-1-FLUORENYLACETAMIDE see:AK84000 ACETOHYDROXAMIC ACID, N-FLUOREN-1-YL-

NB64750. N-HYDROXY-N-2-FLUORENYLACETAMIDE see:AK85750 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-

NB66500. N-HYDROXY-3-FLUORENYLACETAMIDE see:AK87500 ACETOHYDROXAMIC ACID, N-FLUOREN-3-YL-

NB68250. N-HYDROXY-N-2-FLUORENYLACETAMIDE, CUPRIC CHELATE see:AK91000 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, COPPER(2+) COMPLEX

NB70000. 2-N-HYDROXYFLUORENYLACETAMIDE, CUPRIC CHELATE see:AK91000 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-, COPPER(2+) COMPLEX

NB71750. N-(7-HYDROXYFLOUREN-2-YL)ACETOHYDROXAMIC ACID see:AL07000 ACETOHYDROXAMIC ACID, N-(7-HYDROXYFLOUREN-2-YL)-

NB73500. N-HYDROXY-1-FLUORENYLBENZAMIDE see:DG01750 BENZOHYDROXAMIC ACID, N-FLUOREN-1-YL-

NB75250. N-HYDROXY-N-2-FLUORENYLBENZAMIDE see:DG03500 BENZOHYDROXAMIC ACID, N-FLUOREN-2-YL-

NB76000. N-HYDROXY-2-FLUORENYLBENZENESULFONAMIDE see:DB26250 BENZENESULFONAMIDE, 2-FLUORENYL-N-HYDROXY-

NB78750. N-HYDROXY-7-FLUORO-2-ACETYLAMINOFLUORENE see:AL05250 ACETOHYDROXAMIC ACID, 7-FLUORO-N-(FLUOREN-2-YL)-

NB89250. 4-HYDROXYHEX-4-ENOIC ACID LACTONE see:LU45500 2(3H)FURANONE, 5-ETHYLIDENEDIHYDRO-

NB91000. 4-HYDROXYHEXA-2,4-DIENOIC ACID LACTONE see:LU43750 2(5H)-FURANONE, 5-ETHYLIDENE-

NB92750. 5-HYDROXY-2-HEXENOIC ACID LACTONE see:UQ05250 2H-PYRAN-2-ONE, 5,6-DIHYDRO-6-METHYL-

NB96250. 4-HYDROXYHEX-2-ENOIC ACID LACTONE see:LU42000 2(5H)-FURANONE, 5-ETHYL-

NC05250. N-HYDROXY-N-(7-HYDROXY-2-FLUORENYL)ACETAMIDE see:AL07000 ACETOHYDROXAMIC ACID, N-(7-HYDROXYFLOUREN-2-YL)-

NC07000. 2'-HYDROXY-5'-(1-HYDROXY-2-(ISOPROPYLAMINO)ETHYL)-METHANESULFONANILIDE MONOHYDROCHLORIDE see:PB05250 METHANESULFONANILIDE, 2'-HYDROXY-5'-(1-HYDROXY-2-(ISOPROPYLAMINO)ETHYL)-, MONOHYDROCHLORIDE

NC23600. 3-HYDROXY-17-KETO-ESTRA-1,3,5-TRIENE see:KG85750 ESTRONE

NC26250. 3-HYDROXYKYNURENINE see:AY64750 ALANINE, 3-(3-HYDROXYANTHRANILOYL)-

NC28000. 3-HYDROXY-L-KYNURENINE see:AY66500 L-ALANINE, 3-(3-HYDROXYANTHRANILOYL)-

NC31500. HYDROXYLAMINE, N-4-BIPHENYLYL-
CAS: 006810260
WLN: QMR DR
SYN: N-4-BIPHENYLYLHYDROXYLAMINE * 4-HYDROXYLAMINOBIPHENYL *
TXDS: scu-mus TDLo:216 mg/kg/3D TFX:CAR JNCIAM 41,403,68

NC35700. HYDROXYLAMINE, N-FLUOREN-2-YL-
CAS: 000053941 MW: 197.25 MOLFM: N-O-C13-H11
WLN: L B656 HHJ EMQ
SYN: N-HYDROXY-2-AMINOFLUORENE * 2-FLUORENYLHYDROXYLAMINE *
TXDS: scu-rat TDLo:700 mg/kg/9WI TFX:NEO CNREA8 31,1645,71
ipr-gpg TDLo:270 mg/kg/18WI TFX:NEO CNREA8 24,2018,64

NC36000. HYDROXYLAMINE, N-FLUOREN-3-YL-
MW: 197.25 MOLFM: N-O-C13-H11
SYN: 3-FLUORENYLHYDROXYLAMINE * N-HYDROXY-3-AMINOFLUORENE *
TXDS: imp-rat TDLo:20 mg/kg TFX:NEO CNREA8 33,2489,73

NC36350. HYDROXYLAMINE, N-FLUOREN-2-YL-O-GLUCURONIDE see:LM42000 N-FLUOREN-2-YLHYDROXYLAMINE O-GLUCURONIDE

NC40250. HYDROXYLAMINE, N-1-NAPHTHYL-
CAS: 000697307 MW: 159.20 MOLFM: N-O-C10-H9
WLN: L66J BMQ
SYN: N-HYDROXY-1-AMINONAPHTHALENE * N-HYDROXY-1-NAPHTHYLAMINE * N-N-1-NAPHTHYLHYDROXYLAMINE *
TXDS: ipr-rat TDLo:1300 mg/kg/13WI TFX:NEO CNREA8 28,535,68

NC42000. HYDROXYLAMINE, N-2-NAPHTHYL-
CAS: 000613478 MW: 159.20 MOLFM: N-O-C10-H9
WLN: L66J CMQ
SYN: NEA * N-HYDROXY-2-AMINONAPHTHALENE * N-HYDROXY-2-NAPHTHYLAMINE * 2-NAPHTHYLHYDROXYLAMINE *
TXDS: ipr-rat TDLo:1300 mg/kg/13WI TFX:NEO CNREA8 28,535,68
par-mus TDLo:18 mg/kg TFX:CAR BECCAN 40,42,62
imp-mus TDLo:160 mg/kg TFX:NEO ANYAA9 108,924,63

NC50750. HYDROXYLAMINE, N-(p-STYRYLPHENYL)-, (E)
MW: 211.28 MOLFM: N-O-C14-H13
WLN: QMR D1U1R
SYN: N-HYDROXY-4-AMINOSTILBENE * N-(p-STYRYLPHENYL)HYDROXYLAMINE *
TXDS: scu-rat TDLo:75 mg/kg/2WI TFX:CAR CNREA8 24,128,64

NC56000. 4-HYDROXYLAMINOBIPHENYL see:NC31500 HYDROXYLAMINE, N-4-BIPHENYLYL-

NC61250. 6-HYDROXY-2-MERCAPTOPYRIMIDINE see:YR15750 URACIL, 2-THIO-

ND12250. 10-HYDROXYMETHYL-1:2-BENZANTHRACENE see:CW84000 BENZ(a)ANTHRACENE-7-METHANOL

ND17850. 6-HYDROXYMETHYLBENZO(a)PYRENE see:DJ64000 BENZO(a)PYRENE, 6-HYDROXYMETHYL-

ND22000. 1-HYDROXY-3-METHYLCHOLANTHRENE see:PZ41000 CHOLANTHREN-1-OL, 3-METHYL-

ND22750. 2-HYDROXY-3-METHYLCHOLANTHRENE see:PZ42000 CHOLANTHREN-2-OL, 3-METHYL-

ND24300. 15-HYDROXY-20-METHYLCHOLANTHRENE see:PZ41000 CHOLANTHREN-1-OL, 3-METHYL-

ND45500. 7-HYDROXYMETHYL-12-METHYLBENZ(a)ANTHRACENE see:CW87500 BENZ(a)ANTHRACENE-7-METHANOL, 12-METHYL-

ND47250. 12-HYDROXYMETHYL-7-METHYLBENZ(a)ANTHRACENE see:CW89250 BENZ(a)ANTHRACENE-12-METHANOL, 7-METHYL-

ND48550. 1-HYDROXYMETHYL-2-METHYLDITHIDE-2-OXIDE see:PC26250 METHANOL, (METHYL-ONN-AZOXY)-

ND73300. N-HYDROXY-1-NAPHTHYLAMINE see:NC40250 HYDROXYLAMINE, N-1-NAPHTHYL-

ND73900. 16-alpha-HYDROXYOESTRADIOL see:KG82250 ESTRIOL

ND96250. N-HYDROXY-2-NAPHTHYLAMINE see:NC42000 HYDROXYLAMINE, N-2-NAPHTHYL-

NE15750. 4-HYDROXYPENT-2-ENOIC ACID LACTONE see:SB33250 4-PENTENOIC ACID, 4-HYDROXY-, gamma-LACTONE

NE21000. N-HYDROXY-4'-PHENETHYLACETANILIDE see:AL12250 ACETOHYDROXAMIC ACID, N-(p-PHENETHYL)PHENYL-

NE52500. N-HYDROXYPHENYLBENZENESULFONAMIDE see:DB38500 BENZENESULFONANILIDE, N-HYDROXY-

NF64750. 21-HYDROXYPREGN-4-ENE-3,20-DIONE 21-ACETATE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

NF73500. 3-HYDROXYPROPIONIC ACID LACTONE see:RQ73500 2-OXETANONE

NF92000. (2-HYDROXYPROPYL)PROPYLNITROSOAMINE see:UI31500 PROPYLAMINE, N-(2-HYDROXYPROPYL)-N-NITROSO-

NG08750. 6-HYDROXY-3(2H)-PYRIDAZINONE see:UR59500 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-

NG10500. 6-HYDROXY-3-(2H)-PYRIDAZINONE, DIETHANOLAMINE SALT see:UR54250 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-, compd. with 2,2'-IMINODIETHANOL (1:1)

NG14000. 8-HYDROXYQUINALDIC ACID see:UZ94500 QUINALDIC ACID, 8-HYDROXY-

NG17500. 8-HYDROXYQUINOLINE see:VC42000 8-QUINOLINOL

NG18400. 8-HYDROXYQUINOLINE COPPER COMPLEX see:VC52500 8-QUINOLINOL, COPPER (II) chelate

NG28000. HYDROXYSENKIRKINE
MW: 381.47 MOLFM: N-O7-C19-H27
TXDS: ipr-rat TDLo:300 mg/kg TFX:CAR JNCIAM 49,665,72

NG29750. 12-HYDROXYSTEARIC ACID see:WI38500 STEARIC ACID, 12-HYDROXY-

NG31500. 12-HYDROXYSTEARIC ACID, METHYL ESTER see:WI42000 STEARIC ACID, 12-HYDROXY-, METHYL ESTER

NG43400. 7-HYDROXYTHEOPHYLLIN (German) see:XH57750 THEOPHYLLINE, 7-HYDROXY-

NG61250. 3-HYDROXY-2,2,4-TRIMETHYL-3-PENTENOIC ACID, beta-LACTONE see:RQ78750 2-OXETANONE, 4-ISOPROPYLIDENE-3,3-DIMETHYL-

NG78750. N-HYDROXYURETHAN see:FB17500 CARBAMIC ACID, HYDROXY-, ETHYL ESTER

NG80500. N-HYDROXYURETHANE see:FB17500 CARBAMIC ACID, HYDROXY-, ETHYL ESTER

NG81200. 3-HYDROXYXANTHINE see:ZD84000 XANTHINE, 3-HYDROXY-, HYDRATE

NH25000. HYOZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NH32400. HYPNOLTOL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

NH33850. HYPNOGEN see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

NH54800. HYZYD see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NH62600. IBENZMETHYZINE see:XS45500 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-

NH63000. IBENZMETHYZINE HYDROCHLORIDE see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

NH64750. IBENZMETHYZIN HYDROCHLORIDE see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

NH71750. IBZ see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

NH78750. ICI-32865 see:XF07000 4,7,10,13-TETRAOXAHEXADECANE, 1,2:15,16-DIEPOXY-

NH84000. I.C.I. HYDROCHLORIDE see:QJ92750 NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-, HYDROCHLORIDE

NH85750. ICR-48b see:AR75250 ACRIDINE, 9-(2-(BIS(2-CHLOROETHYL)AMINO)ETHYLAMINO)-6-CHLORO-2-METHOXY-, DIHYDROCHLORIDE HYDRATE

NH86600. ICR-125 see:AR80500 ACRIDINE, 9-(2-(2-CHLOROETHYL)AMINO)ETHYLAMINO)-6-CHLORO-2-METHOXY-, DIHYDROCHLORIDE HYDRATE

NH86900. ICTALIS SIMPLE see:MD10500 HYDANTOIN, 5,5-DIPHENYL-

NH88200. IDANTOIL see:MD10500 HYDANTOIN, 5,5-DIPHENYL-

NH88600. IDANTOIN see:MD10500 HYDANTOIN, 5,5-DIPHENYL-

NH90000. IDO-TEBIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NH91500. IDRAZIL see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NH91825. IDROCHINONE (Italian) see:MX35000 HYDROQUINONE

NH91875. IDROPEROSSIDO DI CUMENE (Italian) see:MX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

NH91900. IDROPEROSSIDO DI CUMOLO (Italian) see:MX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

NH98000. IFK see:FD91000 CARBANILIC ACID, ISOPROPYL ESTER

NI17500. ILLOXOL see:IO17500 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-6,7-EPOXY-1,4,4a,5,6,7,8,8a-OCTAHYDRO-, ENDO-EXO-

NI24500. IMFERON (JNCIAM 24,109,60) see:NO59500 IRON-DEXTRAN COMPLEX

NI35000. IMIDAZOLE, 4-(2-AMINOETHYL)- see:HS10500 HISTAMINE

NI39500. IMIDAZOLE-4-CARBOXAMIDE, 5-(3,3-DIMETHYL-1-TRIAZENO)-
CAS: 004342034 MW: 182.22 MOLFM: N6-O-C6-H10
WLN: T5M CNJ DVZ ENUNN1&1
SYN: 4-(3,3-DIMETHYL-1-TRIAZENO)IMIDAZOLE-5-CARBOXAMIDE * 5-(3,3-DIMETHYL-1-TRIAZENO)IMIDAZOLE-4-CARBOXAMIDE * DTIC * NSC-45388 *
TXDS: ivn-hmn TDLo:3500 ug/kg TFX:GIT CCROBU 57,83,73
ivn-hmn TDLo:3500 ug/kg TFX:BLD CCROBU 57,83,73
orl-rat TDLo:3700 mg/kg/14WC TFX:CAR CANCAR 26,1000,70

NI56000. IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-
CAS: 000443481 MW: 171.18 MOLFM: N3-O3-C6-H9
SYN: BAYER 5360 * CLONT * FLAGYL * 1-(beta-HYDROXYETHYL)-2-METHYL-5-NITROIMIDAOLE * 1-(2-HYDROXYETHYL)-2-METHYL-5-NITROIMIDAZOLE * 1-HYDROXYETHYL-2-METHYL-5-NITROIMIDAOLE * 1-(2-HYDROXY-1-ETHYL)-2-METHYL-5-NITROIMIDAZOLE * 2-METHYL-1-(2-HYDROXYETHYL)-5-NITROIMIDAZOLE * 2-METHYL-3-(2-HYDROXYETHYL)-4-NITROIMIDAZOLE * 2-METHYL-5-NITROIMIDAZOLE-1-ETHANOL * METRONIDAZOL * METRONIDAZOLE * RP 8823 * TRICHAZOL *
TXDS: orl-mus TDLo:35 g/kg/20WC TFX:CAR JNCIAM 48,721,72

NI57750. IMIDAZOLE-4-ETHYLAMINE see:HS10500 HISTAMINE

NI59500. 4-IMIDAZOLEETHYLAMINE see:HS10500 HISTAMINE

NI61250. 5-IMIDAZOLEETHYLAMINE see:HS10500 HISTAMINE

NI63000. IMIDAZOLE, 1-(2-HYDROXYETHYL)-2-METHYL-5-NITRO-
TXDS: orl-mus TDLo:126 mg/kg/100WC TFX:CAR JNCIAM 48,721,72

NI86500. IMIDAZOLE-2(3H)-THIONE, 4,5-DIHYDRO- see:NI96250 2-IMIDAZOLIDINETHIONE

NI96250. 2-IMIDAZOLIDINETHIONE
CAS: 000096457 MW: 102.17 MOLFM: N2-S-C3-H6
WLN: T5MYMTJ BUS
SYN: ETHYLENE THIOUREA * N,N'-ETHYLENETHIOUREA * ETU * IMIDAZOLE-2(3H)-THIONE, 4,5-DIHYDRO- * SODIUM-22 NEOPRENE ACCELERATOR * UREA, 1,3-ETHYLENE-2-THIO- * WARECURE C *
TXDS: orl-rat LDLo:656 mg/kg TJADAB 7,243,73
orl-rat TDLo:200 ug/kg/(6-15D preg) TFX:TER TJADAB 7,243,73
orl-rat TDLo:7560 mg/kg/96WI TFX:CAR JNCIAM 49,583,72
orl-mus TDLo:77 gm/kg/82WIC TFX:CAR JNCIAM 42,1101,69

NJ52500. beta-IMIDAZOLYL-4-ETHYLAMINE see:HS10500 HISTAMINE

NJ54250. 2-(4-IMIDAZOLYL)ETHYLAMINE see:HS10500 HISTAMINE

NJ68250. 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYLAMINE), MONOHYDROCHLORIDE see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-, HYDROCHLORIDE

NJ70000. 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYLANILINE) see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

NK24500. IMURAN see:UO89250 PURINE, 6-((1-METHYL-4-NITROIMIDAZOL-5-YL)THIO)-

NK29750. INAH see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NK79300. 1H-INDAZOLE, 6((p-(DIMETHYLAMINO)PHENYL)AZO)-
CAS: 017309874 MW: 265.35 MOLFM: N5-C15-H15
WLN: T56 BMNJ HNUNB DN1&1
SYN: 6-((p-(DIMETHYLAMINO)PHENYL)AZO)-1H-INDAZOLE * N,N-DIMETHYL-p-(6-INDAZYLAZO)ANILINE *
TXDS: orl-rat TDLo:2700 mg/kg/21WC TFX:CAR JMCMAR 12,1113,69

NK91000. 13H-INDENO(1,2-l)PHENANTHRENE
CAS: 000201650 MW: 266.35 MOLFM: C21-H14
WLN: L F6 C6 B566 MHJ
SYN: 1,2,3,4-DIBENZFLUORENE *
TXDS: skn-mus TDLo:5160 mg/kg/304DI TFX:NEO PRLBA4 129,439,40

NK92750. INDENO(1,2,3-cd)PYRENE see:UR26250 PYRENE, INDENO(1,2,3-cd)-

NL01870. INDIGO BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

NL01990. INDIGO CARMINE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL02110. INDIGO CARMINE (BIOLOGICAL STAIN) see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL02230. INDIGO CARMINE A see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL02350. INDIGO CARMINE AC see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL02470. INDIGO CARMINE BP see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL02590. INDIGO CARMINE CONC. FQ see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL02710. INDIGO CARMINE DISODIUM SALT see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL02830. INDIGO CARMINE POWDER see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL02950. INDIGO CARMINE X see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL03170. INDIGO DISULFONATE (BIOLOGICAL STAIN) see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL03290. INDIGO EXTRACT see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL03500. INDICAN
MW: 251.31 MOLFM: N-O4-S-C8-H6 .K
SYN: INDOL-3-YL POTASSIUM SULFATE * POTASSIUM INDOXYL SULFATE * URINARY INDICAN *
TXDS: scu-mus TDLo:5000 mg/kg/26WI TFX:CAR KLWOAZ 36,1056,58

NL05250. INDIGOTIN I see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL06000. 5,5'-INDIGOTINDISULFONIC ACID see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL07000. INDIGOTINE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL07200. INDIGOTINE B see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL07400. INDIGOTINE BLUE LZ see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL07600. INDIGOTINE CONC. POWDER see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL07800. INDIGOTINE DISODIUM SALT see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL08000. INDIGOTINE EXTRA PURE A see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL08200. INDIGOTINE I see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL08400. INDIGOTINE LAKE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL08600. INDIGOTINE N see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL20500. INDOCARMINE F see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NL22500. INDOL (German) see:NL24500 INDOLE

NL24500. INDOLE
CAS: 000120729 MW: 117.09 MOLFM: N-C8-H7
WLN: T56 BMJ
SYN: 1-AZAINDENE * 1-BENZAZOLE * 2,3-BENZOPYRROLE * INDOL (German) * KETOLE *

TXDS: orl-rat LD50:1000 mg/kg AIHAAP 23,95,62
skn-mus TDLo:480 mg/kg/W BJCAAI 9,177,55
scu-mus LD50:225 mg/kg KLWOAZ 35,504,57
scu-mus TDLo:1000 mg/kg/20WI TFX:NEO KLWOAZ 35,504,57
skn-rbt LD50:790 mg/kg AIHAAP 23,95,62

WN49500. INDOL-3-YL POTASSIUM SULFATE see:WL03500 INDICAN

WN57750. INDULINE R see:BY82250 ANILINE, p-(PHENYLAZO)-

WN59500. INESTRA see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

WN61250. INETOL see:QJ91000 2-NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-

WN71750. INH see:NS17500 ISONICOTINIC ACID HYDRAZIDE

WN72600. INIZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NN77000. INPC see:PD91000 CARBANILIC ACID, ISOPROPYL ESTER

NN81000. INSECTICIDE 3960-X14 see:WZ61250 TERPENE POLYCHLORINATES

NN91900. INTENSE BLUE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

NN40250. N-(3-IODO-2-FLUORENYL)ACETAMIDE see:AC43750 ACETAMIDE, N-(3-IODOFLUOREN-2-YL)-

NN48500. IODOMETANO (Italian) see:PA94500 METHANE, IODO-

NN49000. IODOMETHANE see:PA94500 METHANE, IODO

NN77000. 3-IODOPROPIONIC ACID see:UP49000 PROPIONIC ACID, 3-IODO-

NN88400. 5-IODO-2-THIOURACIL, SODIUM SALT see:YR06000 URACIL, 5-IODO-2-THIO-, SODIUM SALT

NN93000. IODURE DE METHYLE (French) see:PA94500 METHANE, IODO-

NO14000. IP see:UR26250 PYRENE, INDENO(1,2,3-cd)-

NO15750. IPC see:PD91000 CARBANILIC ACID, ISOPROPYL ESTER

NO45650. IROMIN see:LZ51500 GLUCONIC ACID, IRON(2+) SALT (2:1)

NO46300. IRON BLACK see:OM49000 MAGNETITE

NO57000. IRON CHROMATE (II) see:GB40250 CHROMITE (THE MINERAL)

NO59500. IRON-DEXTRAN COMPLEX
CAS: PM9004664
SYN: DEXTRAN IRON COMPLEX * IMFERON * IRON DEXTRAN INJECTION * IRONORM INJECTION * URSOFERRAN *
TXDS: scu-rat TDLo:104 gm/kg/26W TFX:CAR JNCIAM 24,109,60
ims-rat TDLo:2000 mg(Fe)/kg/9WI TFX:CAR BJCAAI 21,448,67
scu-mus TDLo:104 gm/kg/13W TFX:CAR JNCIAM 24,109,60
ivn-mus LD50:1000 mg(Fe)/kg 12VXA5 335,68
ims-mus TDLo:40 gm/kg/10W TFX:CAR BJCAAI 21,448,67
ims-rbt TDLo:28 gm/kg/28WI TFX:CAR BMJOAE 1,1593,64
scu-ham TDLo:25 gm/kg/30W TFX:CAR JNCIAM 24,109,60

NO60000. IRON DEXTRAN GLYCEROL GLYCOSIDE
TXDS: scu-rat TDLo:62 mg/kg/25W TFX:NEO BJCAAI 22,521,68

NO61250. IRON DEXTRAN INJECTION see:NO59500 IRON-DEXTRAN COMPLEX

NO62100. IRON-DEXTRIN COMPLEX
CAS: PM9004517
SYN: ASTRAFER *
TXDS: ims-rat TDLo:2040 mg(Fe)/kg/16WI TFX:NEO BJCAAI 15,838,61
scu-mus TDLo:1200 mg(Fe)/kg/28WI TFX:NEO BMJOAE 1,1800,62
ivn-mus LD50:446 mg/(Fe)/kg TXAPA9 23,537,72

NO68500. IRON GLUCONATE see:LZ51500 GLUCONIC ACID, IRON(2+) SALT (2:1)

NO68750. IRON HYDROGENATED DEXTRAN
TXDS: scu-mus TDLo:2300 mg/kg/I TFX:NEO BECCAN 40,30,62

NO69350. IRON(2+) LACTATE see:OD55250 LACTIC ACID, IRON(2H) SALT (2:1)

NO71000. IRON MAGNESIUM SILICATE see:RK43750 OLIVINE

NO73500. IRONORM INJECTION see:NO59500 IRON-DEXTRAN COMPLEX

NO77000. IRON OXIDE, SACCHARATED
CAS: MX8047674
SYN: COLLIRON I.V. * FEOJECTIN * FERRIC OXIDE, SACCHARATED * FERRIC SACCHARATE ...IRON OXIDE (MIX.) * FERRIVENIN * IRON OXIDE SACCHARATED * IRON SACCHARATE * IRON SUGAR * IVIRON * NEO-FERRUM * PROFERRIN * SACCHARATED IRON * SUCROFER *
TXDS: ims-rat TDLo:148 gm/kg/74W TFX:MSK BMJOAE i,947,59
scu-mus TDLo:104 gm/kg/13W TFX:CAR JNCIAM 24,109,60

NO78750. IRON OXIDE SACCHARATED see:NO77000 IRON OXIDE, SACCHARATED

NO81400. IRON PROTOSULFATE see:WS91000 SULFURIC ACID, IRON(2+) SALT (1:1)

NO81950. IRON-POLYSACCHARIDE COMPLEX
TXDS: scu-mus TDLo:1000 mg(Fe)/kg/9WI TFX:NEO BJCAAI 21,448,67
ims-mus TDLo:2000 mg(Fe)/kg/9WI TFX:NEO BJCAAI 21,448,67

NO82250. IRON SACCHARATE see:NO77000 IRON OXIDE, SACCHARATED

NO84000. IRON SUGAR see:NO77000 IRON OXIDE, SACCHARATED

NO85750. IRON SULFATE (1:1) see:WS91000 SULFURIC ACID, IRON(2+) SALT (1:1)

NO90100. IRON VITRIOL see:WS91000 SULFURIC ACID, IRON(2+) SALT (1:1)

NO91000. IROSPAN see:WS91000 SULFURIC ACID, IRON(2+) SALT (1:1)

NO91900. IROX (GADOR) see:LZ51500 GLUCONIC ACID, IRON(2+) SALT (2:1)

NP03500. ISATIDINE see:VH77000 RETRORSINE-N-OXIDE

NP07500. ISCOTIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NP14000. ISIDRINA see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NP14700. ISMAZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NP72600. ISOBICINA see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NQ72000. ISOCID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NQ73000. ISOCIDENE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NQ77000. ISOCOTIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NQ82250. ISOCYANIC ACID, BENZ(a)ANTHRACEN-7-YL ESTER
MW: 269.31 MOLFM: N-O-C19-H11
SYN: 1,2-BENZANTHRYL-10-ISOCYANATE *
TXDS: scu-mus TDLo:40 mg/kg TFX:NEO CNREA8 6,454,46

NR49000. ISOLYN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NR72500. ISONERIT see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NR72800. ISONEX see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NR73000. ISONIACID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NR73500. ISONIAZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NR75250. ISONIAZID SODIUM METHANESULFONATE see:NS22750 ISONICOTINIC ACID, 2-(SULFOMETHYL)HYDRAZIDE, SODIUM SALT

NR85750. ISONIAZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NR87500. ISONICID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NR89250. ISONICID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NR91000. ISONICO see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NR92750. ISONICOTAN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NR93200. ISONICOTIL see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NS03500. ISONICOTINAMIDE,2-ETHYLTHIO
CAS: 000536334 MW: 166.16 MOLFM: N2-S-C8-H10
WLN: T6NJ B2 DYZUS
SYN: ETHIONAMIDE *
TXDS: orl-mus LD50:1000 mg/kg FEPRA7 21,452,62

orl-mus TDLo:24 gm/kg/50WC TFX:NEO LAPPA5 24,145,64

NS11000. ISONICOTINHYDRAZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NS17500. ISONICOTINIC ACID HYDRAZIDE
CAS: 000054853 MW: 137.09 MOLFM: N3-O-C6-H7
WLN: T6NJ DVMZ
SYN: AMIDON * ANDRAZIDE * ANTIMICINA * ANTITUBERKULOSUM * ARMACIDE * ARMAZIDE * ATCOTIBINE * AZUREN * BACILLIN * BP 5015 * CEDIN * CEMIDON * CHEMIAZID * CHEMIDON * COTINAZIN * CORTINAZINE * COTINIZIN * DEPONIN * DIBUTIN * DIPORIN * DINACRIN * DITUBIN * EBIDENE * ERALON * ERTUBAN * EUTIZON * EVALON * FIMALENE * FSR-3 * GINK * HIA * HIDRANIZIL * HIDRASONIL * HIDROLTA * HIDRUN * HYCOZID * HYDRAZID * HYDRAZIDE * HYOZID * HYZYD * IDO-TEBIN * IDRAZIL * IN-73 * INAH * INIZID * ISCOTIN * ISIDRINA * ISMAZIDE * ISOBICINA * ISOCID * ISOCIDENE * ISOCOTIN * ISOLYN * ISONERIT * ISONEX * ISONIACID * ISONIAZID * ISONIAZIDE * ISONICAZIDE * ISONICID * ISONICO * ISONICOTAN * ISONICOTIL * ISONICOTINHYDRAZID * ISONICOTINOYL HYDRAZIDE * ISONICOTINYL HYDRAZIDE * ISOWIDE * ISONIDRIN * ISONIKAZID * ISONILEX * ISONIN * ISONINDON * ISONIRIT * ISONITON * ISONIZIDE * ISOPYRIN * ISOTEBE * ISOTEBEZID * ISOTINYL * ISOZIDE * ISOZYD * L 1945 * LANIAZID * LANIOZID * MYBASAN * NEOTEBEN * NEO-TIZIDE * NEOXIN * NEUMANDIN * NEVIN * NIADRIN * NICAZIDE * NICETAL * NICIZINA * NICONYL * NICOTIBINA * NICOTIBINE * NICOZIDE * NIDATON * NIDRAZID * NIKOZID * NIPLEN * NITADON * NITEBAN * NYDRAZID * NYSCOZID * PELAZID * PERCIN * PETHISEN * PREPARATION 6424 * PYCAZIDE * PYREAZID * PYRICIDIN * PYRIDICIN * PYRIZIDIN * RAUMANON * RAZIDE * RETOZIDE * RIMICID * RIMIFON * RIMITSID * ROBISELIN * ROBISELLIN * ROXIFEN * 5015 RP * RU-EF-Tb * SANOHIDRAZINA * SAUTERAZID * SAUTERZID * STANOZIDE * TB-PHLOGIN * TB-RAZIDE * TB-VIS * TEBECID * TEBENIC * TEBEXIN * TEBILON * TEBOS * TEEBACONIN * TEKAZIN * TIBAZIDE * TIBEMID * TIBINIDE * TIBISON * TIBIVIS * TIBIZIDE * TIBUSAN * TISIN * TISIODRAZIDA * TIZIDE * TUBAZID * TUBAZIDE * TUBECO * TUBERCID * TUBERIAN * TUBICON * TUBOMEL * TYVID * UNICOCYDE * UNICOZYDE * VAZADRINE * VEDERON * ZINADON * ZONAZIDE *
TXDS: orl-hmn LDLo:100 mg/kg ARDSBL 105,206,72
orl-man TDLo:7300 mg/kg TFX:NEO BMJOAE 2,792,67
orl-man TDLo:100 mg/kg/3WC TFX:GLN ARDSBL 106,849,72
orl-rat LD50:650 mg/kg 12VXA5 7,576,60
orl-rat TDLo:26 gm/kg/49WC TFX:NEO JNCIAM 41,331,68
scu-rat LD50:329 mg/kg JPETAB 119,444,57
orl-mus TDLo:1600 mg/kg/8WI TFX:CAR JNCIAM 42,337,69
orl-mus LD100:300 mg/kg PSEBAA 95,705,57
ipr-mus LD50:132 mg/kg ARTUA4 65,376,52
ipr-mus TDLo:1600 mg/kg/8WI TFX:CAR UICMAI 7,180,67
scu-mus LD50:160 mg/kg ARTUA4 65,376,52
scu-mus 5040 mg/kg/18WC TFX:NEO GANNA2 51,83,60
ivn-mus LD50:149 mg/kg JPETAB 122,110,58
ims-mus LD50:140 mg/kg ARTUA4 65,376,52
orl-dog LD50:100 mg/kg TXAPA9 10,183,67
ivn-dog LDLo:100 mg/kg ARTUA4 65,376,52
orl-rbt LDLo:250 mg/kg ARTUA4 65,376,52
ivn-rbt LD50:94 mg/kg ARTUA4 65,376,52

NS21000. ISONICOTINIC ACID, SODIUM SALT
CAS: 016887799 MW: 141.06 MOLFM: N-O2-C6-H5 .Na
WLN: T6NJ DVO &-NA-
SYN: SODIUM SALT of ISONICOTINIC ACID *
TXDS: orl-mus TDLo:13 gm/kg/46WI TFX:NEO NATUAS 194,488,62

NS22750. ISONICOTINIC ACID, 2-(SULFOMETHYL)HYDRAZIDE, SODIUM SALT
CAS: 003804895 MW: 254.24 MOLFM: N3-O4-S-C7-H9 .Na
WLN: T6NJ DVMM1SWQ &-NA-
SYN: ISONIAZID SODIUM METHANESULFONATE * NEOISCOTIN * NEOTIZIDE * NEO-TIZIDE SODIUM SALT * SODIUM METHANESULFONATE *
TXDS: orl-mus TDLo:168 gm/kg/30WC TFX:NEO GANNA2 51,83,60
scu-mus LD50:1500 mg/kg TXAPA9 8,325,66
orl-dog LDLo:250 mg/kg TXAPA9 10,183,67

NS28000. ISONICOTINOYL HYDRAZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NS29000. ISONICOTINOYLHYDRAZINE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NS29750. 4-(ISONICOTINOYLHYDRAZONE)PIMELIC ACID see:MI98000 HEPTANEDIOIC ACID, 4-OXO-, ISONICOTINOYL HYDRAZONE

NS38500. ISONICOTINYL HYDRAZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NS39200. ISONICOTINYLHYDRAZINE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NS39600. ISONIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NS40250. ISONIDRIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NS41000. ISONIKAZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NS42000. ISONILEX see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NS43000. ISONIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NS43750. ISONINDON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NS62000. ISONIRIT see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NS62300. ISONITON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NS68250. ISONIZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NT33250. ISO.PPC. see:FD91000 CARBANILIC ACID, ISOPROPYL ESTER

NT58300. ISOPROPIL-N-FENIL-CARBAMMATO (Italian) see:FD91000 CARBANILIC ACID, ISOPROPYL ESTER

NU15500. 2-ISOPROPYLAMINO-1-(2-NAPETHYL)ETHANOL see:QJ91000 2-NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-

NU15750. 2-ISOPROPYLAMINO-1-(NAPHTH-2-YL)ETHANOL see:QJ91000 2-NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-

NU29000. 5-ISOPROPYLBENZ(a)ANTHRACENE see:CW78750 BENZ(a)ANTHRACENE, 8-ISOPROPYL-

NU30000. 5-ISOPROPYL-1:2-BENZANTHRACENE see:CW78750 BENZ(a)ANTHRACENE, 8-ISOPROPYL-

NU31500. 6-ISOPROPYL-1:2-BENZANTHRACENE see:CW79500 BENZ(a)ANTHRACENE, 9-ISOPROPYL-

NU35000. ISOPROPYLBENZENE HYDROPEROXIDE see:MX24500 HYDROPEROXIDE, alpha,alpha-DIMETHYLBENZYL-

NU39300. 2-ISOPROPYL-3:4-BENZPHENANTHRENE see:DI87500 BENZO(c)PHENANTHRENE, 5-ISOPROPYL-

NU54250. ISOPROPYL CARBAMATE see:FB29750 CARBAMIC ACID, ISOPROPYL ESTER

NU56000. 1-(p-ISOPROPYLCARBAMOYLBENZYL)-2-METHYLHYDRAZINE HYDROCHLORIDE see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

NU57750. ISOPROPYL CARBANILATE see:FD91000 CARBANILIC ACID, ISOPROPYL ESTER

NU61250. 2-(p-(ISOPROPYLCARBAMOYL)BENZYL)-1-METHYLHYDRAZINE HYDROCHLORIDE see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

NU66500. ISOPROPYL CHLOROCARBANILATE see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

NU71750. ISOPROPYL-N-(3-CHLOROPHENYL)CARBAMATE see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

NU73500. ISOPROPYL 3-CHLOROPHENYLCARBAMATE see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

NU77000. 20-ISOPROPYLCHOLANTHRENE see:PZ36300 CHOLANTHRENE, 3-ISOPROPYL-

NU85750. 10-ISOPROPYL-3,4,5,6-DIBENZACRIDINE
WLN: T E6 D6 B666 NNJ CY
TXDS: skn-mus TDLo:48 mg/kg/WC TFX:NEO BAPEAG 42,186,55

NU89250. 4'-ISOPROPYL-4-DIMETHYLAMINOAZOBENZENE see:BI22750 ANILINE, p-(p-CUMENYLAZO)-N,N-DIMETHYL-

NV12250. ISOPROPYL ETHYL URETHAN see:PB31500 CARBAMIC ACID, ISOPROPYL-, ETHYL ESTER

NV13000. ISOPROPYL-N-FENYL-CARBAMAAT (Dutch) see:FD91000 CARBANILIC ACID, ISOPROPYL ESTER

NV29750. 4-ISOPROPYLIDENE-3,3-DIMETHYL-2-OXETANONE see:RQ78750 2-OXETANONE, 4-ISOPROPYLIDENE-3,3-DIMETHYL-

NV43750. N-ISOPROPYL-alpha-(2-METHYLAZO)-p-TOLUAMIDE see:XS43750 p-TOLUAMIDE, N-ISOPROPYL-alpha-(METHYLAZO)-

NV45500. 2-ISOPROPYL-5-METHYLBENZOQUINONE see:OS82250 p-MENTHA-3,6-DIENE-2,5-DIONE

NV52500. N-ISOPROPYL-p-(2-METHYLHYDRAZINOMETHYL)BENZAMIDE HYDROCHLORIDE see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

NV56000. N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-p-TOLUAMIDE see:XS45500 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-

NV57750. N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-p-TOLUAMIDE HYDROCHLORIDE see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

NV59500. N-ISOPROPYL-alpha-(2-METHYLHYDRAZONE)-p-TOLUAMIDE see:WZ03500 TEREPHTHALADEHYDAMIDE, N-ISOPROPYL-, 4-(METHYLHYDRAZONE)

NV96000. ISOPROPYL-N-PHENYL-CARBAMAT (German) see:PD91000 CARBANILIC ACID, ISOPROPYL ESTER

NV96250. ISOPROPYL-N-PHENYLCARBAMATE see:PD91000 CARBANILIC ACID, ISOPROPYL ESTER

NV98000. O-ISOPROPYL N-PHENYL CARBAMATE see:PD91000 CARBANILIC ACID, ISOPROPYL ESTER

NW31500. ISOPROPYL SULFATE see:WS80500 SULFURIC ACID, DIISOPROPYL ESTER

NW35000. N-ISOPROPYLTEREPHTHALALDEHYDAMIDE, 4-(METHYLHYDRAZONE) see:WZ03500 TEREPHTHALADEHYDAMIDE, N-ISOPROPYL-, 4-(METHYLHYDRAZONE)

NW36750. N-ISOPROPYL TEREPHTHALAMIC ACID see:WZ05250 TEREPHTHALAMIC ACID, N-ISOPROPYL-

NW63000. ISOPYRIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NW94500. ISOQUINOLINE, 4-((p-DIMETHYLAMINO)PHENYL)AZO)-
MW: 264.36 MOLFM: N4-C16-H16
WLN: T66 CNJ ENUNR DN1&1
SYN: 4-((p-(DIMETHYLAMINO)PHENYL)AZO)ISOQUINOLINE *
TXDS: orl-rat TDLo:3276 mg/kg/26WC TFX:CAR AICCA6 19,531,63

NW96250. ISOQUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-
MW: 264.36 MOLFM: N4-C16-H16
WLN: T66 CNJ GNUNR DN1&1
SYN: 5-((p-(DIMETHYLAMINO)PHENYL)AZO)ISOQUINOLINE *
TXDS: orl-rat TDLo:1092 mg/kg/26WC TFX:CAR AICCA6 19,531,63

NW98000. ISOQUINOLINE, 7-((p-(DIMETHYLAMINO)PHENYL)AZO)-
MW: 264.36 MOLFM: N4-C16-H16
WLN: T66 CNJ INUNR DN1&1
SYN: 7-((p-(DIMETHYLAMINO)PHENYL)AZO)ISOQUINOLINE *
TXDS: orl-rat TDLo:3276 mg/kg/26WC TFX:CAR AICCA6 19,531,63

NX01750. ISOQUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-, 2-OXIDE
CAS: 010318237 MW: 280.36 MOLFM: N4-O-C16-H16
WLN: T66 CNJ GNUNR DN1&1
SYN: 5-((p-(DIMETHYLAMINO)PHENYL)AZO)ISOQUINOLINE 2-OXIDE *
TXDS: orl-rat TDLo:720 mg/kg/17WC TFX:CAR AICAA6 19,531,63

NX63000. ISOSAFROLE see:DA59500 BENZENE, 1,2-(METHYLENEDIOXY)-4-PROPENYL-

NX71200. ISOTEBE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NX71750. ISOTEBEZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NY07700. ISOTINYL see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NY08750. ISOTRICYCLOQUINAZOLINE NITRATE see:XA50750 9,10,14c-15-TETRAAZANAPHTHO(1,2-3-fg)NAPHTHACENE NITRATE

NY19250. ISOXANTHINE see:ZD77000 XANTHINE

NY38500. ISOZIDE see:NS17500 IOSNICOTINIC ACID HYDRAZIDE

NY40250. ISOZYD see:NS17500 ISONICOTINIC ACID HYDRAZIDE

NY51250. ITRUMIL SODIUM see:YR06000 URACIL, 5-IODO-2-THIO-, SODIUM SALT

NY51750. ITRUMIL SODIUM SALT see:YR06000 URACIL, 5-IODO-2-THIO-, SODIUM SALT

NY56000. IVIRON see:NO77000 IRON OXIDE, SACCHARATED

NY57500. JACK WILSON CHLORO 51 (oil) see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

NY59500. JACUTIN see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

NY67000. JAUNE ORANGE S see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

NY67250. JAUNE SOLEIL see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

NY67500. JAVA AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

NY67750. JAVA ORANGE I see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

NY69100. JAVA SCARLET 3R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

NY70000. JAYSOL S see:KQ63000 ETHYL ALCOHOL

NY92500. JOD-METHAN (German) see:PA94500 METHANE, IODO-

NY92700. JOODMETHAAN (Dutch) see:PA94500 METHANE, IODO-

NZ08750. K 52 see:RG22750 9-OCTADECENOIC ACID, (Z)-

NZ14900. KADMU TLENEK (Polish) see:EV19250 CADMIUM OXIDE

NZ17500. KAKO BLUE B SALT see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

NZ20180. KALO see:CG08300 ARSENIC ACID, CALCIUM SALT(2:3)

NZ26250. KAMPSTOFF "LOST" see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)

NZ33000. KANECHLOR-400
SYN: PCB *
TXDS: orl-hmn TDLo:28 mg TFX:SKN FKIZA4 62,104,71
orl-rat TDLo:7500 mg/kg/1.5YC TFX:NEO GANNA2 64,105,73

NZ33500. KANECHLOR 500
SYN: PCB *
TXDS: orl-mus TDLo:23 gm/kg/32WC TFX:CAR JNCIAM 51,1637,73

NZ47800. KAPRON see:RP52500 NYLON

NZ56000. KARBAM WHITE see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

NZ56900. KARBARYL (Polish) see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

NZ70000. KARMEX MONURON HERBICIDE see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

NZ71750. KARMEX W. MONURON HERBICIDE see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

NZ74300. KARTRYL see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

NZ85750. KAYAKU ACID BRILLIANT SCARLET 3R see:QK22750 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

NZ86000. KAYAKU AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

NZ87500. KAYAKU BLUE B BASE see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

NZ89250. KAYAKU BLUE B SALT see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

NZ91900. KAYAKU DIRECT see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

NZ93000. KAYAKU FOOD COLOUR RED NO. 2 see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

NZ94500. KAYAKU FOOD COLOUR RED NO. 102 see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

OA06000. KCA FOODCOL AMARANTH A see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

OA07000. KCA FOODCOL SUNSET YELLOW FCF see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

OA12250. KEIMSTOP see:FD89250 CARBANILIC ACID, ETHYL ESTER

OA67300. KESSODANTEN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

OA67700. KESSODRATE see:FM87500 CHLORAL HYDRATE

OA68000. KESTRONE see:KG85750 ESTRONE

OA93600. KETODESTRIN see:KG85750 ESTRONE

OB04400. KETOHYDROXYESTRIN see:KG85750 ESTRONE

OB05250. KETOLE see:NL24500 INDOLE

OB08750. gamma-KETO-beta-METHOXY-delta-METHYLENE-DELTA(sup alpha)-HEXENOIC ACID see:MM26250 2,5-HEXADIENOIC ACID, 3-METHOXY-5-METHYL-4-OXO-

OB10500. 15-KETO-20-METHYLCHOLANTHRENE see:PZ43750 CHOLANTHREN-1-ONE, 3-METHYL-

OB69000. 4-KETOSTEARIC ACID see:WI44500 STEARIC ACID, 4-OXO-

OB90000. KING'S YELLOW see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

OC03500. KITON BLUE AR see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

OC07000. KITON GREEN F see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

OC08750. KITON GREEN FC see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

OC09000. KITON GREEN S see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

OC10500. KITON PONCEAU R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

OC12250. KITON PONCEAU 2R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

OC14000. KITON PURE BLUE L see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

OC16000. KITON RUBINE S see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

OC17500. KITON SCARLET 4B see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

OC19250. KITON SCARLET 2RC see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

OC19500. KITON VIOLET 4BNS see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

OC29000. KOBALT (Polish) see:GP87500 COBALT

OC29750. KOBUTOL see:DA66500 BENZENE, PENTACHLORONITRO-

OC31500. KOCHINEAL RED A FOR FOOD see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

OC34250. KOLPON see:KG85750 ESTRONE

OC46300. KOROSEAL see:KV03500 ETHYLENE, CHLORO- POLYMER

OC47250. KP 2 see:DA66500 BENZENE, PENTACHLORONITRO-

OC51000. O6K-QUINONE see:QL73500 1,4-NAPHTHOQUINONE, 2-AMINO-3-CHLORO-

OC57750. KRINOCORTS see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

OC83000. O6K-50W see:QL73500 1,4-NAPHTHOQUINONE, 2-AMINO-3-CHLORO-

OC84000. KWELL see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

OC85900. KWIK (Dutch) see:OV45500 MERCURY

OC85970. KWIKSAN see:OV64750 MERCURY, (ACETATO)PHENYL-

OC87200. KYANURCHLORID (Czech) see:XZ14000 s-TRIAZINE, 2,4,6-TRICHLORO-

OC87500. KYNURENINE, 3-HYDROXY- see:AY64750 ALANINE, 3-(3-HYDROXYANTHRANILOYL)-

OC97300. L1945 see:NS17500 ISONICOTINIC ACID HYDRAZIDE

OD11000. LABOPAL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

OD13250. L'ACIDE OLEIQUE (French) see:RG22750 9-OCTADECENOIC ACID, (Z)-

OD13500. L'ACIDE RICINOLEIQUE (French) see:VJ31500 RICINOLEIC ACID

OD14000. LACQUER ORANGE V see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

OD15000. LACQUER ORANGE VG see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

OD15400. LACQUER ORANGE VR see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

OD15750. LACQUER RED V see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

OD16000. LACQUER RED V3B see:QM28500 2-NAPHTHYLAMINE, N-ETHYL-1-((p-(PHENYLAZO)PHENYL)AZO)-

OD17500. LACQUER RED VS see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

OD55250. LACTIC ACID, IRON(2H) SALT (2:1)
CAS: 005905522 MW: 234.01 MOLFM: O6-C6-H10 .Fe
WLN: QYVQ & 2-FE-
SYN: FERROUS LACTATE * IRON(2+) LACTATE *
TXDS: scu-mus TDLo:4200 mg/kg/21WI TFX:NEO JNCIAM 24,109,60

OD57750. LACTIC ACID, SODIUM ZIRCONIUM SALT (4:4:1)
CAS: 010377987 MW: 539.50 MOLFM: O2-C12-H20 .4Na .Zr
WLN: QYVQ & 4/-NA- 4 &-ZR-
SYN: SODIUM ZIRCONIUM LACTATE *
TXDS: ihl-rbt TCLo:49 gm/m3/6WI TFX:NEO AEHLAU 1,297,60

OD58300. LACTIC ACID, SODIUM ZIRCONIUM SALT, mixed with STEARIC ACID, SODIUM SALT
SYN: SODIUM ZIRCONIUM LACTATE (20%) mixed with SODIUM STEARATE (80%) *
TXDS: ipr-mus TDLo:168 mg/kg TFX:NEO JIDEAE 57,411,71
idr-mus TDLo:240 mg/kg TFX:NEO JIDEAE 57,411,71

OD68300. LACTIC ACID, ZIRCONIUM SALT (4:1) see:ZH85750 ZIRCONIUM(IV) LACTATE (1:4)

OD70000. LACTIN see:OD96250 LACTOSE

OD73500. LACTOBIOSE see:OD96250 LACTOSE

OD78750. D-LACTOSE see:OD96250 LACTOSE

OD96250. LACTOSE
CAS: 000063423 MW: 342.12 MOLFM: O11-C12-H22
WLN: T6OTJ BQ CQ DQ F1Q EO- BT6OTJ CQ DQ EQ F1Q -D
SYN: 4-(beta-D-GALACTOSIDO)-D-GLUCOSE * D-GLUCOSE, 4-O-beta-D-GALACTOPYRANOSYL-
* D-LACTOSE * LACTIN * LACTOBIOSE * MILK SUGAR * SACCHARUM
LACTIN *
TXDS: scu-mus TDLo:50 mg/kg/DC TFX:NEO GANNA2 46,363,55
ivn-rbt LDLo:1500 mg/kg 12VXA5 8,605,68

OE03500. LAKE BLUE B BASE see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

OE07000. LAKE SCARLET R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID,
3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

OE08750. LAKE SCARLET 2RBN see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID,
3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

OE15750. LANDIOL see:KG29750 ESTRADIOL

OE29750. LANIAZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

OE30300. LANIOZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

OE58000. LARAHA
TXDS: ims-rat TDLo:2250 mg/kg/61WI TFX:NEO JNCIAM 46,1131,71

OE78750. LASIOCARPINE
CAS: 000303344 MW: 411.22 MOLFM: N-O7-C21-H33
WLN: T55 AN CUTJ D1OVXQXQ&&YO1 FOVYU2
TXDS: orl-rat LD50:150 mg/kg TXAPA9 17,290,70
ipr-rat LD50:78 mg/kg CNREA8 32,908,72
ipr-rat TDLo:470 mg/kg/56WI TFX:CAR CNREA8 32,908,72
ivn-rat LDLo:60 mg/kg ELCRT* 5,55,49
ivn-mus LDLo:90 mg/kg ELCRT* 5,55,49

OE87500. LATHOSTEROL see:FZ70000 5-alpha-CHOLEST-7-EN-3-beta-OL

OF05250. LAURIC ACID, 2,3-EPOXYPROPYL ESTER
CAS: 001984776 MW: 256.43 MOLFM: O3-C15-H28
WLN: T3OTJ B1OV11
SYN: GLYCIDYL LAURATE *
TXDS: scu-mus TDLo:120 mg/kg/31WI TFX:NEO CNREA8 30,1037,70

OF25000. LAUROYLETHYLENEIMINE see:CM79000 AZIRIDINE, 1-LAUROYL-

OF26250. LAUROYL PEROXIDE
CAS: 000105748 MW: 398.70 MOLFM: O4-C24-H46
WLN: 11VOOV11
SYN: ALPEROX C * DILAUROYL PEROXIDE * DILAURXYL PEROXIDE * DODECANOYL PEROXIDE * PEROXYDE DE LAUROYLE (French) *
TXDS: ihl-mus TDLo:64 mg/kg TFX:NEO RARSAM 3,193,63
skn-mus TDLo:38 gm/kg/63WI TFX:NEO JNCIAM 31,41,63
scu-mus TDLo:330 mg/kg/82W TFX:NEO JNCIAM 37,825,66

OF67300. LD-813
TXDS: orl-rat TDLo:4275 mg/kg/82W TFX:CAR TXAPA9 31,159,75

OF77000. LEAD ACETATE see:AI52500 ACETIC ACID, LEAD(2+) SALT

OF78750. LEAD ACETATE, BASIC see:OF87500 LEAD, BIS(ACETATO)TETRAHYDROXYTRI-

OF80500. LEAD ACETATE (II), TRIHYDRATE
CAS: 006080564 MW: 379.35 MOLFM: O4-C4-H6 .3O-H2 .Pb
SYN: BLEIAZETAT (German) * PLUMBOUS ACETATE *
TXDS: orl-rat LDLo:11 gm/kg/78WC TFX:CAR ZAPPAN 111,1,68

OF87500. LEAD, BIS(ACETATO)TETRAHYDROXYTRI-
CAS: 001335326 MW: 807.71 MOLFM: O8-Pb3-C4-H10
WLN: OV1 &OV1 &.PB3.Q4
SYN: BASIC LEAD ACETATE * BIS(ACETATO)TETRAHYDROXYTRILEAD * BLA * LEAD ACETATE, BASIC * LEAD SUBACETATE * MONOBASIC LEAD ACETATE *
TXDS: orl-rat TDLo:27 gm/kg/72WC TFX:CAR BJCAAI 16,289,62
orl-mus TDLo:146 gm/kg/2YC TFX:CAR BJCAAI 23,765,69

OF96250. LEAD CHROMATE(VI) see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

OF98000. LEAD CHROMATE(6+) OXIDE
CAS: 001344383 MOLFM: O4-Cr-Pb .xO-Pb
SYN: ARANCIO CROMO (Italian) * BASIC LEAD CHROMATE * CHROME ORANGE * C.I. PIGMENT RED *
TXDS: scu-rat TDLo:150 mg/kg TFX:NEO TUMOAB 57,213,71
U.S. OCCUPATIONAL STANDARD USOS-air:TWO 212 ug/m3 PEREAC 37,22139,72
CRIT DOC: OCCUPATIONAL EXPOSURE TO INORGANIC LEAD NTIS** PB214-265

OG03500. LEAD DIACETATE see:AI52500 ACETIC ACID, LEAD(2+) SALT

OG20250. LEAD NAPHTHENATE
TXDS: skn-mus TDLo:48 gm/kg/30WI TFX:NEO BECCAN 39,420,61

OG22750. LEAD ORTHOPHOSPHATE see:OG36750 LEAD(II) PHOSPHATE (3:2)

OG36750. LEAD(II) PHOSPHATE (3:2)
CAS: 007446277 MW: 811.51 MOLFM: O8-P2 .3Pb
WLN: PB3 P-O-Q3*2
SYN: C.I. 77622 * LEAD ORTEOPHOSPHATE * NORMAL LEAD ORTHOPHOSPHATE * PERLEX PASTE 500 * PERLEX PASTE 600A * PLUMBOUS PHOSPHATE * PHOSPHORIC ACID, LEAD(2+) SALT (2:3) * TRILEAD PHOSPHATE *
TXDS: par-rat TDLo:725 mg/kg/34W TFX:CAR BJCAAI 19,860,65
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 284 ug/m3 PEREAC 37,22139,72
CRIT DOC: OCCUPATIONAL EXPOSURE TO INORGANIC LEAD NTIS** PB214-265

OG42000. LEAD SUBACETATE see:OF87500 LEAD, BIS(ACETATO)TETRAHYDROXYTRI-

OG49000. LEAD, TETRAETHYL- see:TP45500 PLUMBANE, TETRAETHYL-

OG70000. LEATHER GREEN B see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

OG71750. LEATHER GREEN SF see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

OG72250. LEATHER ORANGE HR see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

OG80500. LEIPZIG YELLOW see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

OG84000. LEMON YELLOW see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

OG95800. LEONAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

OH03500. LEPINAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

OH05250. LEPITOIN see:MD10500 HYDANTOIN, 5,5-DIPHENYL-

OH06000. LEPSIN see:MD10500 HYDANTOIN, 5,5-DIPHENYL-

OH28000. LEUCARSONE see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

OH50750. LEUKERAN see:ES75250 BUTYRIC ACID, 4-(p-BIS(2-CHLOROETHYL)AMINOPHENYL)-

OH52500. LEUKERSAN see:ES75250 BUTYRIC ACID, 4-(p-BIS(2-CHLOROETHYL)AMINOPHENYL)-

OH68500. LEVANOX GREEN GA see:GB64750 CHROMIUM(3+) OXIDE

OI43750. LIGHT GREEN FS see:BQ49000 AMMONIUM, ETHYL(4-(p-ETHYL(m-SULFOBENZYL)AMINO-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE INNER SALT, DISODIUM SALT

OI45500. LIGHT GREEN LAKE see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

OI49000. LIGHT GREEN SF see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

OI50750. LIGHT GREEN SFA see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

OI52500. LIGHT GREEN SFD see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

OI54250. LIGHT GREEN SF YELLOWISH see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

OI57750. LIGHT SF YELLOWISH (BIOLOGICAL STAIN) see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

OI77000. LIMONENE DIOXIDE see:OS91000 p-MENTHANE, 1,2:8,9-DIEPOXY-

OI82250. LINDANE see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

OI84000. alpha-LINDANE see:GV35000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, alpha-isomer

OI85750. beta-LINDANE see:GV43750 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, beta-isomer

OI89250. gamma-LINDANE see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

OI96250. LINORAL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

OJ08750. LIPO-LUTIN see:TW01750 PROGESTERONE

OJ12250. LIQUACILLIN see:XH96250 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-

OJ24500. LIQUIPHENE see:OV64750 MERCURY, (ACETATO)PHENYL-

OJ28000. LIQUITAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

OJ33250. LIROBETAREX see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

OJ42500. LISSAMINE AMARANTH AC see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

OJ43000. LISSAMINE GREEN BN see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

OJ43750. LISSAMINE GREEN SF see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

OJ45500. LISSAMINE LAKE GREEN SF see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

OJ71750. LIXOPHEN see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

OJ96700. L-ORANGE 2 see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

OK01750. LOREXANE see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

OK04100. LORINAL see:FM87500 CHLORAL HYDRATE

OK34700. LUBERGAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

OK34800. LUBROKAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

OK42000. LUCIDOL see:DM85750 BENZOYL PEROXIDE

OK43750. LUCORTEUM SOL see:TW01750 PROGESTERONE

OK49000. LUMINAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

OK58300. LUPOLEN see:TQ33250 POLYETHYLENE

OK63000. LUSIL see:WO84000 SULFANILAMIDE

OK64750. LUTEAL HORMONE see:TW01750 PROGESTERONE

OK66500. LUTEINIQUE see:TW01750 PROGESTERONE

OK68250. LUTEODYN see:TW01750 PROGESTERONE

OK70000. LUTEOGAN see:TW01750 PROGESTERONE

OK71750. LUTEOHORMONE see:TW01750 PROGESTERONE

OK73500. LUTEOL see:TW01750 PROGESTERONE

OK77000. LUTEOSAN see:TW01750 PROGESTERONE

OK78750. LUTEOSKYRIN see:EK61250 5H,6H-6,5a,13a,14-(1,2,3,4)BUTANETETRAYLCYCLOOCTA(1,2-b:5,6-b')DINAPHTHALENE-= 5,8,13,16(14H)-TETRONE, 1,4,7,9,12,15,17,20-OCTAHYDROXY-3,11-DIMETHYL-

OK80500. LUTEOSTAB see:TW01750 PROGESTERONE

OK82250. LUTEOVIS see:TW01750 PROGESTERONE

OK92750. LUTEX see:TW01750 PROGESTERONE

OL01750. 2,5-LUTIDINE, 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE
CAS: 019471273 MW: 270.37 MOLFM: N4-O-C15-H18
WLN: T6NJ AO B DNUNR DN1&1& E
SYN: 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-2,5-LUTIDINE 1-OXIDE * N,N-DIMETHYL-4-(4'-(2',5'-DIMETHYLPYRIDYL-1'-OXIDE)AZO)ANILINE *
TXDS: orl-rat TDLo:2300 mg/kg/22WC TFX:NEO JNCIAM 41,855,68

OL03500. 2,6-LUTIDINE, 4-((4-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE
MW: 270.37 MOLFM: N4-O-C15-H18
WLN: T6NJ AO B DNUNR DN1&1&F
T6KJ AO B DNUNR DN1&1&F
SYN: 4-((4-(DIMETHYLAMINO)PHENYL)AZO)-2,6-LUTIDINE 1-OXIDE * N,N-DIMETHYL-4-(4'-(2',6'-DIMETHYLPYRIDYL-1'-OXIDE)AZO)ANILINE * 2,6-DIMETHYLPYRIDINE-1-OXIDE-4-AZO-p-DIMETHYL-ANILINE *
TXDS: orl-rat TDLo:550 mg/kg/13WC TFX:CAR JNCIAM 37,365,66

OL05250. 3,5-LUTIDINE, 4-((p-DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE
CAS: 019456770 MW: 270.37 MOLFM: N4-O-C15-H18
WLN: T6NJ AO C DNUNR DN1&1& E
SYN: 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-3,5-LUTIDINE 1-OXIDE * N,N-DIMETHYL-4-(4'-(3',5'-DIMETHYLPYRIDYL-1'-OXIDE)AZO ANILINE *
TXDS: orl-rat TDLo:4600 mg/kg/22WC TFX:NEO JNCIAM 41,855,68

OL07000. LUTIDON see:TW01750 PROGESTERONE

OL08750. LUTOCYCLIN see:TW01750 PROGESTERONE

OL10500. LUTOCYCLIN M see:TW01750 PROGESTERONE

OL12250. LUTOCYLIN see:TW01750 PROGESTERONE

OL14000. LUTOFORM see:TW01750 PROGESTERONE

OL15750. LUTOGYL see:TW01750 PROGESTERONE

OL19250. LUTREN see:TW01750 PROGESTERONE

OL21000. LUTROL see:TQ35000 POLYETHYLENE GLYCOL

OL22750. LUTROL-9 see:KW29750 ETHYLENE GLYCOL

OL24500. LUTROMONE see:TW01750 PROGESTERONE

OL36750. LYNORAL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

OL59500. LYSOCOCCINE see:WO84000 SULFANILAMIDE

OL63000. LYTRON 810 see:ON36750 MALEIC ANHYDRIDE

OL64750. LYTRON 820 see:ON36750 MALEIC ANHYDRIDE

OL68250. 4M20 see:VB70000 QUINOLINE, 4-(p-(DIMETHYLAMINO)STYRYL)-

OL89250. MABLIN see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

OL94500. MACRODIOL see:KG29750 ESTRADIOL

OL96250. MACROGOL 400 BPC see:KW29750 ETHYLENE GLYCOL

OM07500. MADECASSOL see:YU96250 URS-12-EN-28-OIC ACID, 2alpha,3beta,23-TRIHYDROXY-, O-6-DEOXY-alpha-L-MANNOPYRANOSYL- (1-4)-o-beta-D-GLUCOPYRANOSYL-(1-6)-o-beta-D-GLUCOPYRANOSYL ESTER

OM48100. MAGNETIC BLACK see:OM49000 MAGNETITE

OM48400. MAGNETIC IRON OXIDE see:OM49000 MAGNETITE

OM48700. MAGNETIC OXIDE see:OM49000 MAGNETITE

OM49000. MAGNETITE
CAS: 001309382 MW: 231.55 MOLFM: O4-Fe3
SYN: 11557 BLACK * BLACK GOLD F-89 * BLACK IRON OXIDE * BLACK OXIDE * BROWN OXIDES of IRON * C.I. PIGMENT BLACK 11 * IRON BLACK * MAGNETIC BLACK * MAGNETIC IRON OXIDE * MAGNETIC OXIDE * MAPICO BLACK * MICACEOUS IRON OXIDES * SYNTHETIC BLACK IRON OXIDE *
TXDS: ipl-mus TDLo:400 mg/kg TFX:NEO BJEPA5 53,190,72

OM54250. MAH see:UR59500 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-

OM98000. MALEIC ACID ANHYDRIDE see:ON36750 MALEIC ANHYDRIDE

ON21000. MALEIC ACID HYDRAZIDE see:UR59500 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-

ON36750. MALEIC ANHYDRIDE
CAS: 000108316 MW: 98.04 MOLFM: O3-C4-H2
WLN: T5VOVJ
SYN: cis-BUTENEDIOIC ANHYDRIDE * 2,5-FURANDIONE * LYTRON 810 * LYTRON 820 * MALEIC ACID ANHYDRIDE * TOXILIC ANHYDRIDE *
TXDS: orl-rat LDLo: 850 mg/kg GTPZAB 13,42,69
scu-rat TDLo:610 mg/kg/61W TFX:CAR BJCAAI 17,100,63
U.S. OCCUPATIONAL STANDARD OSOS-air:TWA 0.25 ppm FEREAC 37,22139,72

ON40250. MALEIC ANHYDRIDE, DIMETHYL-
CAS: 000766392 MW: 126.12 MOLFM: O3-C6-H6
WLN: T5VOVJ D E
SYN: alpha,beta-DIMETHYLMALEIC ANHYDRIDE *
TXDS: scu-rat TDLo:2600 mg/kg/65W TFX:CAR BJCAAI 19,392,65

ON43750. MALEIC HYDRAZIDE see:UR59500 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-

ON45500. MALEIC HYDRAZIDE, DIETHANOLAMINE SALT see:UR54250
3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-, compd. with 2,2'-IMINODIETHANOL (1:1)

OO52500. MALTOSE
CAS: 000069794
WLN: T6OTJ B1O CQ DQ EQ F- 2O -D
TXDS: scu-mus TDLo:500 mg/kg/DC TFX:NEO GANNA2 48,556,57

OO57750. MAM AC see:PC28000 METHANOL, (METHYL-ONN-AZOXY)-, ACETATE (ESTER)

OO59500. MAM ACETATE see:PC28000 METHANOL, (METHYL-ONN-AZOXY)-, ACETATE (ester)

061250. MANAM see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

091000. MANEB see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

0091250. MANEBE (French) see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

0091550. MANGAAN (II)-(N,N'-ETHYLEEN-BIS(DITHIOCARBAMAAT)) (Dutch) see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

OP05250. MANGANESE ETHYLENE-1,2-BISDITHIOCARBAMATE see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

OP07000. MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-
CAS: 000301031 MW: 267.32 MOLFM: N2-S4-C4-H8 .Mn
WLN: T9MYS-MN-SYMTJ BUS FUS
SYN: CARBAMIC ACID, ETHYLENEBIS(DITHIO-, MANGANESE SALT * CHEM NEB * CR 3029 * DITHANE M 22 * DITHANE M 22 SPECIAL * ENT 14,875 * M, N'-ETHYLENE BIS(DITHIOCARBAMATE MANGANEUX) (French) * ETHYLENEBISDITHIOCARBAMATE MANGANESE * ETHYLENEBIS(DITHIOCARBAMIC ACID) MANGANOUS SALT * M,N'-ETILEN-BIS(DITIOCARBAMMATO) DI MANGANESE (Italian) * MANAM * MANEB * MANEBE (French) * MANGAAN (II)-(N,N'-ETHYLEEN-BIS(DITHIOCARBAMAAT)) (Dutch) * MANGAN (II)-(N,N'-AETHYLEN-BIS(DITHIOCARBAMATE)) (German) * MANGANESE ETHYLENE-1,2-BISDITHIOCARBAMATE * MANGANESE (II) ETHYLENE DI(DITHIOCARBAMATE) * MANGANESE (MANGANOUS) ETHYLENEBISDITHIOCARBAMATE * MANGANOUS ETHYLENEBIS(DITHIOCARBAMATE) * MANZATE * MANZATE D * MANZATE MANEB FUNGICIDE * MEB * MnEBD * TRIMANGOL 80 *
TXDS: orl-rat TDLo:64 gm/kg/95WI TFX:CAR VPITAR 29,71,70
orl-rat TDLo:1000 mg/kg/(11D Preg) TFX:TER FCTXAV 11,239,73
imp-rat TDLo:50 mg/kg TFX:CAR VPITAR 29,71,70

OP09000. MANGANESE (MANGANOUS) ETHYLENEBISDITHIOCARBAMATE see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

OP19250. MANGANOUS ETHYLENEBIS(DITHIOCARBAMATE) see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

OP19750. MANNIT-LOST (German) see:OP21000 MANNITOL, 1,6-BIS((2-CHLOROETHYL)AMINO-1,6-DIDEOXY-, D-,

OP20250. MANNIT-MUSTARD (German) see:OP21000 MANNITOL, 1,6-BIS((2-CHLOROETHYL)AMINO-1,6-DIDEOXY-, D-,

OP21000. MANNITOL, 1,6-BIS((2-CHLOROETHYL)AMINO-1,6-DIDEOXY-, D-,
CAS: 000576681 MW: 305.24 MOLFM: N2-O4-C12-C10-H22
WLN: G2M1YQYQ 2
SYN: 1,6-BIS((2-CHLOROETHYL)AMINO)-1,6-DIDEOXY-D-MANNITOL * DEGRANOL * MANNIT-LOST (German) * MANNIT-MUSTARD (German) * MANNITOL MUSTARD * MANNOMUSTINE *
TXDS: ivn-rat TDLo:208 mg/kg/1YI TFX:NEO OIBP** 3,5,70

OP22750. MANNITOL, 1,6-BIS((2-CHLOROETHYL)AMINO)-1,6-DIDEOXY-, DIHYDROCHLORIDE, D-
CAS: 000551746 MW: 378.16 MOLFM: N2-O4-C12-C10-H22 .2Cl-H
WLN: G2M1YQYQ 2 &GH &GH -D -AABB
SYN: BCM * 1,6-BIS-(CHLOROETHYLAMINO)-1,6-DESOXY-D-MANNITOL DIHYDROCHLORIDE * 1,6-BIS-(CHLOROETHYLAMINO)-1,6-DIDEOXY-D-MANNITE DIHYDROCHLORIDE * MANNITOL MUSTARD DIHYDROCHLORIDE * MANNOMUSTINE DIHYDROCHLORIDE * NSC-9698 *
TXDS: ipr-mus TDLo:23 mg/kg/4W TFX:CAR JNCIAM 36,915,66
scu-mus LD50: 120 mg/kg RPECAC 7,296,62

OP29750. MANNITOL, 1,6-DIMETHANESULFONATE, D-
CAS: 001187004 MW: 306.32 MOLFM: O10-S2-C8-H18
WLN: WS1&O1YQYQ 2
SYN: BIS(METHANESULFONYL)-D-MANNITOL * 1,6-BIS-O-METHYLSULFONYL-D-MANNITOL * CB 2511 * 1,6-DIMESYL-D-MANNITOL * 1,6-DIMETHANESULFONATE-D-MANNITOL * 1,6-DIMETHANESULPHONOXY-1,6-DIDEOXY-D-MANNITOL * D-MANNITOL BUSULFAN * D-MANNITOL BUSULPHAN * D-MANNITOL, 1,6-DIMETHANESULPHONOXY-1,6-DIDEOXY- * MANNITOL MYLERAN * MANNOGRANOL * MM * NSC-37538 *
TXDS: ipr-rat LD50:2000 mg/kg EJCAAH 4,617,68
ipr-mus TDLo:1000 mg/kg/4W TFX:NEO JNCIAM 36,915,66

OP31500. MANNITOL MUSTARD see:OP21000 MANNITOL, 1,6-BIS((2-CHLOROETHYL)AMINO-1,6-DIDEOXY-, D-,

OP33250. MANNITOL MUSTARD DIHYDROCHLORIDE see:OP22750 MANNITOL, 1,6-BIS(2-CHLOROETHYLAMINO)-1,6-DIDEOXY-,

OP35000. MANNITOL MYLERAN see:OP29750 MANNITOL, 1,6-DIMETHANESULFONATE, D-

OP36750. MANNOGRANOL see:OP29750 MANNITOL, 1,6-DIMETHANESULFONATE, D-

OP38500. MANNOMUSTINE see:OP21000 MANNITOL, 1,6-BIS((2-CHLOROETHYL)AMINO-1,6-DIDEOXY-, D-,

OP40250. MANNOMUSTINE DIHYDROCHLORIDE see:OP22750 MANNITOL, 1,6-BIS((2-CHLOROETHYL)AMINO)-1,6-DIDEOXY-, DIHYDROCHLORIDE, D-

OP54000. MANZATE see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

OP54250. MANZATE D see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

OP54500. MANZATE MANEB FUNGICIDE see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

OP65500. MAPICO BLACK see:OM49000 MAGNETITE

OP66250. MAPLE AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

OP66500. MAPLE BRILLIANT BLUE FCF see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

OP67600. MAPLE INDIGO CARMINE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

OP67900. MAPLE PONCEAU 3R see:QJ66500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((2,4,5-TRIMETHYLPHENYL)AZO)-, DISODIUM SALT

OP68250. MAPLE SUNSET YELLOW FCF see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

OP70000. MAPO see:SZ19250 PHOSPHINE OXIDE, TRIS(1-(2-METHYL)AZIRIDINYL)-

OQ26250. M+B 693 see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

OQ26300. M+B 760 see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

OQ28000. MBA see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

OQ33250. MBA HYDROCHLORIDE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, HYDROCHLORIDE

OQ33500. MBAO see:IA22000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE

OQ35000. MBH see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

OQ38000. MBNA see:EO54250 BUTYLAMINE, N-METHYL-N-NITROSO-

OQ42000. MC see:FZ36750 CHOLANTHRENE, 3-METHYL-

OQ47250. 3-MC see:FZ36750 CHOLANTHRENE, 3-METHYL-

OQ49000. 20-MC see:FZ36750 CHOLANTHRENE, 3-METHYL-

OQ50750. MCA see:FZ36750 CHOLANTHRENE, 3-METHYL-

OQ79500. MDA see:BY54250 ANILINE, 4,4'-METHYLENEDI-

OQ84000. ME-1700 see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

OQ89250. MEB see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

OQ91800. MnEBD see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

OR15750. MECHLORETHAMINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

OR21000. MECHLORETHAMINE HYDROCHLORIDE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

OR22200. MECHLORETHAMINE OXIDE see:IA22000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE

OR22750. MECHLORETHAMINE OXIDE HYDROCHLORIDE see:IA22750 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE, HYDROCHLORIDE

OR77000. MEDPHALAN see:AY35000 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, D-

OR84000. MEFENAL see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

OR98000. MEISEI TERYL DIAZO BLUE HB see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

OS14000. MELAMINE, TRIETHYLENE- see:XZ21000 s-TRIAZINE, 2,4,6,-TRIS(1-AZIRIDINYL)-

OS49000. MELPHALAN see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-

OS69100. MENAGEN see:KG85750 ESTRONE

OS76100. MENFORMON see:KG85750 ESTRONE

OS78750. MENOLYN see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

OS82250. p-MENTHA-3,6-DIENE-2,5-DIONE
CAS: 000490915 MW: 164.22 MOLFM: O2-C10-H12
WLN: L6V DVJ BY E
SYN: p-BENZOQUINONE, 2-ISOPROPYL-5-METHYL- * p-CYMENE-2,5-DIONE * 2-ISOPROPYL-5-METHYLBENZOQUINONE * 2-METHYL-5-ISOPROPYL-p-BENZOQUINONE * THYMOQUINONE * p-TOLUQUINONE, 5-ISOPROPYL- *
TXDS: skn-mus TDLo:50 mg/kg/DI TPX:NEO GANNA2 34,158,40

OS91000. p-MENTHANE, 1,2:8,9-DIEPOXY-
CAS: 000096082 MW: 168.26 MOLFM: O2-C10-H16
WLN: T36 EOTJ A E- BT3OTJ B
SYN: 1,2,8,9-DIEPOXYLIMONENE * DIPENTENE DIOXIDE * 4-(1,2-EPOXY-1-METHYLETHYL)-1-METHYL-7-OXABICYCLO(4.1.0)HEPTANE * LIMONENE DIOXIDE * UNOXAT EPOXIDE 269 *
TXDS: ihl-mus TDLo:6700 mg/kg TPX:NEO RARSAM 3,193,63
skn-rbt LDLo:1770 mg/kg AIHAAP 23,95,62

OS94500. p-MENTHANE-8-HYDROPEROXIDE
MW: 172.30 MOLFM: O2-C10-H20
WLN: L6TJ AXOQ D
SYN: p-MENTHANE HYDROPEROXIDE *
TXDS: ihl-mus TDLo:620 mg/kg TPX:NEO RARSAM 3,193,63

OT01750. p-MENTH-2-ENE, 1,4-EPIDIOXY-
CAS: 000512856 MW: 168.10 MOLFM: O2-C10-H16
WLN: T66 A B AO BO DUTJ CY F
SYN: ASCARIDOLE * ASCARISIN * 2,3-DIOXABICYCLO(2.2.2)OCT-5-ENE, 1-ISOPROPYL-4-METHYL- * 1,4-PEROXIDO-p-MENTHENE-2 *
TXDS: orl-rat LDLo:250 mg/kg NCNSA6 5,24,53
skn-mus TDLo:25 gm/kg/42WI TPX:NEO JNCIAM 35,707,65

OT36750. MEPHALAN see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-

OU05250. MERACTINOMYCIN see:AU15750 ACTINOMYCIN D

OU08750. MERANTINE GREEN G see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

OU10500. MERANTINE GREEN SF see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

OU26500. MERCAPTAN METHYLIQUE PERCHLORE (French) see:PB52500 METHANETHIOL, TRICHLORO-

OU49000. 2-MERCAPTO-4-HYDROXYPYRIMIDINE see:YR15750 URACIL, 2-THIO-

OU50750. 2-MERCAPTO-4-HYDROXY-6-n-PROPYLPYRIMIDINE see:YR14000 URACIL, 6-PROPYL-2-THIO-

OU70800. 2-MERCAPTO-6-METHYLPYRIMID-4-ONE see:YR08750 URACIL, 6-METHYL-2-THIO-

OU97000. MERCURE (French) see:OV45500 MERCURY

OV18000. MERCURIO (Italian) see:OV45500 MERCURY

OV19250. MERCURIPHENYL ACETATE see:OV64750 MERCURY, (ACETATO)PHENYL-

OV45500. MERCURY
CAS: 007439976 MW: 200.59 MOLFM: Hg
WLN: .HG
SYN: KWIK (Dutch) * MERCURE (French) * MERCURIO (Italian) * QUECKSILBER (German) * QUICK SILVER * RTEC (Polish) *
TXDS: orl-hmn LDLo:1429 mg/kg 27ZZAY 8,1310,57
ihl-hmn TCLo:169 ug/m3/40Y TPX:CNS MMAM** -,41,64
ipr-rat TDLo:400 mg/kg/14DI TPX:NEO ZEKBAI 61,511,57
ivn-hmn TDLo:29 mg/kg TPX:GIT 27ZZAY 8,1310,57
ihl-rbt LCLo:29 mg/m3/30H AMIHBC 7,19,53
U.S. OCCUPATIONAL STANDARD USOS-air:CL1 mg/10 m3 FEREAC 37,22139,72

OV54250. MERCURY (II) ACETATE, PHENYL- see:OV64750 MERCURY, (ACETATO)PHENYL-

OV64750. MERCURY, (ACETATO)PHENYL-
CAS: 000062384 MW: 336.75 MOLFM: O2-Hg-C8-H8
WLN: 1VO-HG-R
SYN: ACETATE PHENYLMERCURIQUE (French) * (ACETATO)PHENYLMERCURY * ACETIC ACID, PHENYLMERCURY DERIV. * (ACETOXYMERCURI)BENZENE * ACETOXYPHENYLMERCURY

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          * AGROSAN GN 5   * ANTIMUCIN WDR   * BENZENE, (ACETOXYMERCURI)-   * BENZENE,
        (ACETOXYMERCURIO)-   * BUPEN   * CERESAN   * CONTRA CREME   * FEMMA
          * PENYLMERCURIACETAT (Czech)   * PMA   * FUNGITOX OR   * HOSTAQUICK
          * HOSTAQUIK   * KWIKSAN   * LIQUIPHENE   * MERCURIPHENYL ACETATE
          * MERCURY (II) ACETATE, PHENYL-   * MERCURY, ACETOXYPHENYL-   * MERSOLITE
        8   * METASOL 30   * NORFORMS   * NYLMERATE   * OCTAN FENYLRTUTNATY
        (Czech)   * PHENOMERCURIC ACETATE   * PHENYL MERCURIC ACETATE   *
        PHENYLMERCURIACETATE   * PHENYLMERCURY ACETATE   * PHIX   * PMA   * PMAC
          * PMAL   * PMAS   * QUICKSAN   * SANITIZED SPG   * SCUTL   * SETRETE
          * TAG   * TAG FUNGICIDE   * TAG HL 331   * TAG 331   * TRIGOSAN
          * ZIARNIK   *
      TXDS: orl-rat LD50:30 mg/kg                                    GUCHAZ 6,404,73
            ivg-rat TDLo:500 ug/kg/(7D preg) TFX:TER                 NDKIA2 5,167,53
            orl-mus LD50:26 mg/kg                                    KUNJAX 14,65,61
            ipr-mus LD50:8 mg/kg                                     AMSSAQ 143,365,52
            scu-mus LD50:37 mg/kg                                    KUNJAX 14,65,61
            ivg-mus TDLo:2 gm/kg/50W TFX:NEO                         BJCAAI 20,184,66
            unk-mam LD50:17 mg/kg                                    30ZDA9 -,295,71

OV70000. MERCURY, ACETOXYPHENYL-    see:OV64750 MERCURY, (ACETATO)PHENYL-

OX17500. MERMETH    see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

OX31500. MERSOLITE 8    see:OV64750 MERCURY, (ACETATO)PHENYL-

OX32000. MERTESTATE    see:XA30300 TESTOSTERONE

OX75250. MESOTHORIUM
      TXDS: ivn-rbt TDLo:0.05 mg/kg TFX:CAR                          DZCHA3 251,12,38

OX79500. MESTRANOL    see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

OY08200. METACIL    see:YR08750 URACIL, 6-METHYL-2-THIO-

OY21000. METANICOTINE
      TXDS: itr-rat TDLo:75 mg/kg TFX:NEO                            BJCAAI 16,453,62

OY43750. METAPOXIDE    see:SZ19250 PHOSPHINE OXIDE,TRIS[1-(2-METHYL)AZIRIDINYL]-

OY62000. METASOL 30    see:OV64750 MERCURY, (ACETATO)PHENYL-

OY92750. METAUPON    see:RG22750 9-OCTADECENOIC ACID, (Z)-

OZ01750. METAZIN    see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

OZ05250. METEPA    see:SZ19250 PHOSPHINE OXIDE,TRIS[1-(2-METHYL)AZIRIDINYL]-

OZ87500. METHAMIN    see:HN47250 HEXAMETHYLENETETRAMINE

OZ96250. METHANAL    see:LP89250 FORMALDEHYDE

PA29750. METHANE, AZOXY-
                        MW: 74.10          MOLFM: N2-O-C2-H6
      WLN: ON1&ON1
      SYN: AOM   * AZOXYMETHANE   *
      TXDS: scu-rat LD50:27 mg/kg                                    XENO** 3,271,73
            scu-rat TDLo:4 mg/kg TFX:CAR                             FEPRA7 31,1482,72
            ivn-rat LD50:30 mg/kg                                    XENO** 3,271,73
            ivn-rat TDLo:30 mg/kg/(22D Preg) TFX:TER                 XENO** 3,271,73

PA59500. METHANECARBOXAMIDE    see:AB40250 ACETAMIDE

PA68250. METHANE, 4,4'-DIAMINO-3,3'-DICHLORODIPHENYL-
                        MW: 267.17         MOLFM: N2-C12-C13-H12
      WLN: ZR BG D1R DZ CG
      SYN: 4,4'-DIAMINO-3,3'-DICHLORODIPHENYLMETHANE   *
      TXDS: orl-rat TDLo:25 gm/kg/89WI TFX:NEO                       NATWAY 58,578,71

PA70000. METHANE, DIAZO-
      CAS: 000334883     MW: 42.05          MOLFM: N2-C-H2
      WLN: NNG1 &2/1
      SYN: AZIMETHYLENE   * DIAZIRINE   * DIAZOMETHANE   *
      TXDS: ihl-rat TCLo:272 mg/m3/26WI TFX:CAR                      BJCAAI 16,92,62
            skn-mus TDLo:467 mg/kg/22W TFX:NEO                       BJCAAI 16 92,62
            scu-mus TDLo:54 mg/kg/52W TFX:NEO                        BJCAAI 16,92,62
            ihl-cat LCLo:175 ppm                                     SCHGA* -,420,31
      U.S. OCCUPATIONAL STANDARD OSOS-air:TWA 0.2 ppm                PERFAC 37,22139,72

PA94500. METHANE, IODO-
      CAS: 000074884     MW: 141.91         MOLFM: I-C-H3
      WLN: I1
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SYN: IODOMETANO (Italian) * IODOMETHANE * IODURE DE METHYLE (French) * JODMETHAN (German) * JOODMETHAAN (Dutch) * METHYL IODIDE * METYLU JODEK (Polish) * METHYLJODID (German) * METHYLJODIDE (Dutch) * MONOIODURO DI METILE (Italian) *
TXDS: skn-rat LDLo:800 mg/kg KODAK* -,-,71
scu-rat TDLo:50 mg/kg TFX:CAR ZEKBAI 74,241,70
scu-mus LD50: 110 mg/kg TXAPA9 4,354,62
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 5 ppm(skin) FEREAC 37,22139,72

PB05250. METHANESULFONANILIDE, 2'-HYDROXY-5'-(1-HYDROXY-2-(ISOPROPYLAMINO)ETHYL)-, MONOHYDROCHLORIDE
CAS: 014816672 MW: 324.90 MOLFM: N2-O4-S-C12-H20 .Cl-H
WLN: WS1&MR BQ EYQ1MY &GH
SYN: 2'-HYDROXY-5'-(1-HYDROXY-2-(ISOPROPYLAMINO)ETHYL)-METHANESULFONANILIDE MONOHYDROCHLORIDE * MJ 1992 * SOTERENOL HYDROCHLORIDE *
TXDS: orl-rat TDLo:2521 mg/kg/78WC TFX:NEO TXAPA9 22,279,72
ipr-rat TDLo:100 mg/kg/(13D preg) TFX:TER JRPFA4 17,325,68

PB12250. METHANESULFONIC ACID, ALLYL ESTER
MW: 136.18 MOLFM: O3-S-C4-H8
SYN: ALLYL METHANESULFONATE *
TXDS: skn-mus TDLo:540 mg/kg/10WI TFX:NEO CNREA8 17,64,57

PB21000. METHANESULFONIC ACID, ETHYL ESTER
CAS: 000062500 MW: 124.17 MOLFM: O3-S-C3-H8
WLN: WS1&O2
SYN: EMS * ETHYL METHANESULFONATE * ETHYL METHANESULPHONATE * METHYLSULFONIC ACID, ETHYL ESTER *
TXDS: ipr-rat TDLo:300 mg/kg TFX:MUT JRPFA4 2,447,61
ipr-rat LDLo:200 mg/kg/(13 D preg) TFX:TER JRPFA4 17,325,68
ipr-rat TDLo:100 mg/kg TFX:NEO BJCAAI 29,50,74
ipr-mus LDLo:200 mg/kg BECCAN 39,77,61
ipr-mus TDLo:380 mg/kg TFX:MUT TXAPA9 23,288,72
ipr-mus TDLo:600 mg/kg/9W TFX:NEO BECCAN 39,77,61
scu-mus TDLo:83 mg/kg TFX:NEO BJCAAI 17,255,63
par-mus TDLo:36 mg/kg TFX:CAR BECCAN 40,42,62

PB26250. METHANESULFONIC ACID, METHYL ESTER
CAS: 000066273 MW: 110.12 MOLFM: O3-S-C2-H6
WLN: WS1&O1
SYN: METHYL METHANESULFONATE * MMS *
TXDS: ipr-rat TDLo:100 mg/kg TFX:MUT JRPFA4 2,447,61
scu-rat TDLo:192 mg/kg/48WI TFX:NEO ZEKBAI 74,241,70
orl-mus TDLo:14 gm/kg/78WC TFX:NEO SCIEAS 161,913,68
ipr-mus TDLo:25 mg/kg TFX:MUT TXAPA9 23,288,72

PB27100. METHANESULFONIC ACID, TETRAMETHYLENE ESTER see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

PB36750. METHANE TETRACHLORIDE see:FG49000 CARBON TETRACHLORIDE

PB38500. METHANE, TETRACHLORO- see:FG49000 CARBON TETRACHLORIDE

PB49600. METHANETHIOL, PHENYL- see:XT86500 alpha-TOLUENETHIOL

PB52500. METHANETHIOL, TRICHLORO-
CAS: 000075707 MW: 151.43 MOLFM: S-C13-C-H
WLN: SHXGGG
SYN: MERCAPTAN METHYLIQUE PERCHLORE (French) * PERCHLOROMETHANETHIOL * PERCHLOROMETHYL MERCAPTAN * THIOKARBONYLTETRACHLORID (Czech) * TRICHLOROMETHANETHIOL *
TXDS: ihl-hmn TCLo:45 ppm TFX:EYE DTLVS*
ihl-hmn LCLo:483 ppm/10M SCHGA* -,362,31
orl-rat LD50:83 mg/kg 28ZPAK -,13,72
ihl-rat TCLo:15 mg/m3/68WI TFX:CAR TXAPA9 15,10,69
ihl-mus LCLo:58 ppm/10M SCHGA* -,362,31
ihl-cat LCLo:58 ppm/15M SCHGA* -,362,31
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 800 ug/m3 FEREAC 37,22139,72

PB57750. METHANE TRICHLORIDE see:FS91000 CHLOROFORM

PB59500. METHANE, TRICHLORO- see:FS91000 CHLOROFORM

PC26250. METHANOL, (METHYL-ONN-AZOXY)-
CAS: 000590965 MW: 90.10 MOLFM: N2-O2-C2-H6
WLN: Q1MUNO&1
SYN: 1-HYDROXYMETHYL-2-METHYLDITHIDE-2-OXIDE * METHYLAZOXYMETHANOL *
TXDS: ipr-rat TDLo:120 mg/kg/12WI TFX:CAR JNCIAM 37,217,66
par-gpg TDLo:25 mg/kg/(8D preg) TFX:TER PSEBAA 124,467,67
ivn-ham TDLo:20 mg/kg TFX:CAR PAACA3 10,86,69

PC28000. METHANOL, (METHYL-ONN-AZOXY)-, ACETATE (ester)
CAS: 000592621 MW: 132.14 MOLFM: N2-O3-C4-H8
WLN: ON1&UN1OV1
SYN: MAM AC * MAM ACETATE * METHYLAZOXYMETHANOL ACETATE * METHYLAZOXYMETHYL ACETATE * (METHYL-ONN-AZOXY)METHANOL, ACETATE (ester) *
TXDS: orl-rat TLDo:62 mg/kg/2WI TFX:CAR JNCIAM 39,355,67
ipr-rat TDLo:29 mg/kg(13D preg) TFX:TER TJADAB 5,223,72
ipr-rat TDLo:62 mg/kg/21DI TFX:CAR JNCIAM 39,355,67
scu-rat TDLo:62 mg/kg/21DI TFX:CAR JNCIAM 39,355,67
ivn-rat TDLo:35 mg/kg TFX:NEO CNREA8 30,801,70

PC59500. METHAPHOXIDE see:SZ19250 PHOSPHINE OXIDE,TRIS[1-(2-METHYL)AZIRIDINYL]-

PC70000. METHASAN see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

PC71750. METHAZATE see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

PC78750. METHENAMINE see:HN47250 HEXAMETHYLENETETRAMINE

PC80500. 1,3,4-METHENO-1H-CYCLOBUTA(cd)PENTALENE, DODECACHLOROOCTAHYDRO- see:PC82250
1,3,4-METHENO-1H-CYCLOBUTA(cd)PENTALENE, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-DODECACHLOROOCTAHYDRO-

PC82250. 1,3,4-METHENO-1H-CYCLOBUTA(cd)PENTALENE, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-DODECACHLOROOCTAHYDRO-
CAS: 002385855 MW: 545.50 MOLFM: C112 C10
WLN: L545 B4 C5 D 4ABCE JTJ-/G 1 2
SYN: CYCLOPENTADIENE, HEXACHLORO-, DIMER * DECHLORANE * DODECACHLOROOCTAHYDRO-1,3,4-METHENO-2H-CYCLOBUTA(c,d)PENTALENE * DODECACHLOROPENTACYCLODECANE * ENT 25,719 * 1,3,4-METHENO-1H-CYCLOBUTA(cd)PENTALENE, DODECACHLOROOCTAHYDRO- * MIREX * PERCHLOROPENTACYCLO(5.2.1.0(sup 2,6).0(sup 3,9).0(sup 5,8))DECANE *
TXDS: orl-rat LDLo: 306 mg/kg PCOC** -,761,-
orl-mus TDLo:2222 mg/kg/58WC TFX:CAR JNCIAM 42,1101,69

PC89250. METHENYL TRICHLORIDE see:FS91000 CHLOROFORM

PC98400. METHIACIL see:YR08750 URACIL, 6-METHYL-2-THIO-

PC99200. METHICIL see:YR08750 URACIL, 6-METHYL-2-THIO-

PD04300. METHIOCIL see:YR08750 URACIL, 6-METHYL-2-THIO-

PD19250. METHOPTERIN see:MA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

PD24000. METHOTEXTRATE see:MA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

PD24500. METHOTREXATE see:MA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

PD38500. 3-METHOXY-2-AMINODIPHENYLENE OXIDE see:HP47250 2-DIBENZOFURANAMINE, 3-METHOXY-

PD50750. 3-METHOXY-1,2-BENZANTHRACENE see:CW92750 BENZ(a)ANTHRACENE, 5-METHOXY-

PD54250. 5-METHOXY-1,2-BENZANTHRACENE see:CW98000 BENZ(a)ANTHRACENE, 8-METHOXY-

PD56000. 10-METHOXY-1,2-BENZANTHRACENE see:CW96250 BENZ(a)ANTHRACENE, 7-METHOXY-

PD59500. 6-METHOXY-3,4-BENZPYRENE see:DJ68250 BENZO(a)PYRENE, 5-METHOXY-

PD61250. 7-METHOXY-3,4-BENZPYRENE see:DJ66500 BENZO(a)PYRENE, 4-METHOXY-

PD63000. 8-METHOXY-3,4-BENZPYRENE see:DJ64750 BENZO(a)PYRENE, 3-METHOXY-

PD74600. 4-METHOXYBIPHENYL see:BZ88500 ANISOLE, p-PHENYL-

PD84000. 5-METHOXYDIBENZ(a,h)ANTHRACENE see:HN52500 DIBENZ(a,h)ANTHRACENE, 5-METHOXY-

PD85750. 7-METHOXYDIBENZ(a,h)ANTHRACENE see:HN54250 DIBENZ(a,h)ANTHRACENE, 7-METHOXY-

PD87500. 9-METHOXY-1,2:5,6-DIBENZANTHRACENE see:HN54250 DIBENZ(a,h)ANTHRACENE, 7-METHOXY-

PD96250. 2'-METHOXY-4-DIMETHYLAMINOAZOBENZENE see:BX61250 ANILINE, N,N-DIMETHYL-p-(2-METHOXYPHENYLAZO)-

PD98000. 3'-METHOXY-4-DIMETHYLAMINOAZOBENZENE see:BX63000 ANILINE, N,N-DIMETHYL-p-(3-METHOXYPHENYLAZO)-

PE01750. 4'-METHOXY-4-DIMETHYLAMINOAZOBENZENE see:BX64750 ANILINE, N,N-DIMETHYL-p-(4-METHOXYPHENYLAZO)-

PE09250. 3-METHOXY-17-alpha-ETHINYLESTRADIOL see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

PE09750. 3-METHOXY-17-alpha-ETHINYLOESTRADIOL see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

PE15750. 3-METHOXY-10-ETHYL-1,2-BENZANTHRACENE see:CW59500 BENZ(a)ANTHRACENE, 7-ETHYL-5-METHOXY-

PF22900. 3-METHOXY-17-alpha-ETHYNYLESTRADIOL see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

PE23050. 3-METHOXY-17-alpha-ETHYNYL-1,3,5(10)-ESTRATRIEN-17-beta-OL see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

PE23200. 3-METHOXY-17-alpha-ETHYNYLOESTRADIOL see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

PE23350. 3-METHOXY-17-alpha-ETHYNYL-1,3,5(10)-OESTRATRIEN-17-beta-OL see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

PE23500. 1-p-METHOXYPHENYL-3,3-DIMETHYLTRIAZEN (Czech) see:XY12250 TRIAZENE, 3,3-DIMETHYL-1-p-METHOXYPHENYL-

PE24500. N-(7-METHOXY-2-FLUORENYL)ACETAMIDE see:AC59500 ACETAMIDE, N-(7-METHOXYFLOUREN-2-YL)-

PE35000. 8-METHOXY-4-HYDROXYQUINOLINE-2-CARBOXYLIC ACID
WLN: T66 BNJ CV± E± JO1
TXDS: imp-mus TDLo:89 mg/kg TFX:NEO BJCAAI 11,212,57

PE43750. 3-METHOXY-10-METHYL-1,2-BENZANTHRACENE see:CX01750 BENZ(a)ANTHRACENE, 5-METHOXY-7-METHYL-

PE45500. 5-METHOXY-10-METHYL-1,2-BENZANTHRACENE see:CX05250 BENZ(a)ANTHRACENE, 8-METHOXY-7-METHYL-

PE50000. 3-METHOXY-5-METHYL-4-OXO-2,5-HEXADIENOIC ACID see:MM26250 2,5-HEXADIENOIC ACID, 3-METHOXY-5-METHYL-4-OXO-

PE55100. 3-METHOXY-19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-20-YN-17-OL see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

PE70100. alpha-(p-METHOXYPHENYL)-beta,beta-DIPHENYLACRYLONITRILE see:AT69000 ACRYLONITRILE, 2-(p-METHOXYPHENYL)-3,3-DIPHENYL-

PE70800. 2-(p-METHOXYPHENYL)-3,3-DIPHENYLACRYLONITRILE see:AT69000 ACRYLONITRILE, 2-(p-METHOXYPHENYL)-3,3-DIPHENYL-

PF07000. 2-METHOXYTRICYCLOQUINAZOLINE
MOLFM: O-N4-C22-H14
TXDS: skn-mus TDLo:1200 mg/kg/YI TFX:NEO BJCAAI 16,275,62

PF08750. 3-METHOXYTRICYCLOQUINAZOLINE
MW: 350.40 MOLFM: N4-O-C22-H14
TXDS: skn-mus TDLo:1200 mg/kg/50WI TFX:NEO BCPCA6 14,323,65

PF30600. METHYLACETOPYRONONE see:UP80500 2H-PYRAN-2,4(3H)-DIONE, 3-ACETYL-6-METHYL-

PF57750. METHYL ALDEHYDE see:LP89250 FORMALDEHYDE

PF61250. METHYLALLYLNITROSAMINE see:BA70000 ALLYLAMINE, N-METHYL-N-NITROSO-

PF91000. METHYLAMINE, NITROSO-PHENYLETHYL-
SYN: METHYL-PHENYLETHYL-NITROSAMINE *
TXDS: orl-rat LD50:50 mg/kg XENO** 3,271,73
orl-rat TDLo:1 mg/kg/33W TFX:CAR XENO** 3,271,73

PF97500. 3'-METHYL-4-AMINOAZOBENZENE see:BY60000 ANILINE, p-(3-METHYLPHENYLAZO)-

PG01750. N-METHYL-p-AMINOAZOBENZENE see:BY59500 ANILINE, N-METHYL-p-(PHENYLAZO)-

PG19250. 2-METHYL-4-AMINODIPHENYL see:DU98000 4-BIPHENYLAMINE, 2-METHYL-

PG21000. 3-METHYL-4-AMINODIPHENYL see:DV01750 4-BIPHENYLAMINE, 3-METHYL-

PG42000. 2-METHYLAMINOFLUORENE
TXDS: orl-rat TDLo:10 mg/kg/75WC TFX:NEO JBCHA3 221,845,56

PG59500. O-METHYL-2-AMINO-1-NAPHTHOL HYDROCHLORIDE see:QL42000 1-NAPHTHOL, O-METHYL-2-AMINO-, HYDROCHLORIDE

PG89250. METHYLAMYLNITROSAMINE see:SC12250 PENTYLAMINE, N-METHYL-N-NITROSO-

PG91000. o-METHYLANILINE see:XU29750 o-TOLUIDINE

PG92750. 2-METHYLANILINE see:XU29750 o-TOLUIDINE

PG93500. 3-METHYLANILINE see:XU28000 m-TOLUIDINE

PH01750. METHYL APHOXIDE see:SZ19250 PHOSPHINE OXIDE,TRIS[1-(2-METHYL)AZIRIDINYL]-

PH21000. METHYL-AZOXY-BUTANE see:EK45500 BUTANE, METHYL-AZOXY-

PH22750. METHYLAZOXYMETHANOL see:PC26250 METHANOL, (METHYL-ONN-AZOXY)-

PH24500. (METHYL-ONN-AZOXY)METHANOL, ACETATE (ester) see:PC28000 METHANOL, (METHYL-ONN-AZOXY)-, ACETATE (ester)

PH26250. METHYLAZOXYMETHANOL ACETATE see:PC28000 METHANOL, (METHYL-ONN-AZOXY)-, ACETATE (ester)

PH28000. METHYLAZOXYMETHANOL-beta-D-GLUCOSIDE see:LZ59500 beta-D-GLUCOPYRANOSIDE, (METHYL-ONN-AZOXY)METHYL)-

PH29750. METHYLAZOXYMETHYL ACETATE see:PC28000 METHANOL, (METHYL-ONN-AZOXY)-, ACETATE (ESTER)

PH30900. METHYL-AZULENO(5,6,7-c,d)PHENALENE see:CO49500 AZULENO(5,6,7-c,d)PHENALENE, METHYL-

PH31500. 1'-METHYL-1,2-BENZANTHRACENE see:CX07000 BENZ(a)ANTHRACENE, 1-METHYL-

PH32300. (METHYL-ONN-AZOXY)-METHYL-beta-D-GLUCOPYRANOSIDE see:LZ59500 beta-D-GLUCOPYRANOSIDE, (METHYL-ONN-AZOXY)METHYL)-

PH32550. METHYLAZOXYOCTANE see:HH29700 DIAZENE 1-OXIDE, METHYLOCTYL-

PH33250. 1'-METHYLBENZ(a)ANTHRACENE see:CX07000 BENZ(a)ANTHRACENE, 1-METHYL-

PH34000. 2'-METHYL-1,2-BENZANTHRACENE see:CX08750 BENZ(a)ANTHRACENE, 2-METHYL-

PH35000. 3-METHYL-1,2-BENZANTHRACENE see:CX12250 BENZ(a)ANTHRACENE, 5-METHYL-

PH36750. 3-METHYLBENZ(a)ANTHRACENE see:CX12250 BENZ(a)ANTHRACENE, 5-METHYL-

PH38500. 4-METHYL-1,2-BENZANTHRACENE see:CX14000 BENZ(a)ANTHRACENE, 6-METHYL-

PH39300. 4'-METHYL-1:2-BENZANTHRACENE see:CX10500 BENZ(a)ANTHRACENE, 4-METHYL-

PH40250. 4-METHYLBENZ(a)ANTHRACENE see:CX14000 BENZ(a)ANTHRACENE, 6-METHYL-

PH42000. 4'-METHYLBENZ(a)ANTHRACENE see:CX10500 BENZ(a)ANTHRACENE, 4-METHYL-

PH43750. 5-METHYL-1,2-BENZANTHRACENE see:CX17500 BENZ(a)ANTHRACENE, 8-METHYL-

PH45500. 5-METHYLBENZ(a)ANTHRACENE see:CX17500 BENZANTHRACENE, 8-METHYL-

PH47250. 6-METHYLBENZ(a)ANTHRACENE see:CX19250 BENZ(a)ANTHRACENE, 9-METHYL-

PH49000. 7-METHYL-1,2-BENZANTHRACENE see:CX21000 BENZ(a)ANTHRACENE, 10-METHYL-

PH50750. 7-METHYLBENZ(a)ANTHRACENE see:CX21000 BENZ(a)ANTHRACENE, 10-METHYL-

PH51500. 8-METHYL-1:2-BENZANTHRACENE see:CX22750 BENZ(a)ANTHRACENE, 11-METHYL-

PH52500. 9-METHYL-1,2-BENZANTHRACENE see:CX24500 BENZ(a)ANTHRACENE, 12-METHYL-

PH54250. 9-METHYLBENZ(a)ANTHRACENE see:CX24500 BENZ(a)ANTHRACENE, 12-METHYL-

PH56000. 10-METHYLBENZ(a)ANTHRACENE see:CX15750 BENZ(a)ANTHRACENE, 7-METHYL-

PH58000. 10-METHYL-1,2-BENZANTHRACENE see:CX15750 BENZ(a)ANTHRACENE, 7-METHYL-

PH60000. 10-METHYL-1,2-BENZANTHRACENE-5-CARBONAMIDE see:CX55000 BENZ(a)ANTHRACEN-8-YL CARBAMIDE, 7-METHYL-

PH71000. 6-METHYL-3,4-BENZOCARBAZOLE see:DE71000 7H-BENZO(c)CARBAZOLE, 10-METHYL-

PH72000. 9-METHYL-1:2-BENZOCARBAZOLE see:DE71400 11H-BENZO(a)CARBAZOLE, 11-METHYL-

PH73500. 9-METHYL-1,2-BENZOCARBAZOLE
TXDS: skn-mus TDLo:36 mg/kg TFX:NEO CRSBAW 151,614,57

PH75250. 6'-METHYL-4,5-BENZO-2,3,1',2'-INDENOINDOLE
TXDS: scu-mus TDLo:120 mg/kg/12WI TFX:NEO BAPEAG 42,3,55

PH79000. METHYL-1,12-BENZOPERYLENE see:DI62500 BENZO(ghi)PERYLENE, METHYL-

PH80000. 4'-METHYLBENZO(a)PYRENE see:DJ74400 BENZO(a)PYRENE, 7-METHYL-

PH80750. 7-METHYLBENZO(a)PYRENE see:DJ74400 BENZO(a)PYRENE, 7-METHYL-

PH81300. METHYL-p-BENZOQUINONE see:DK63000 p-BENZOQUINONE, 2-METHYL-

PH81400. METHYL-1,4-BENZOQUINONE see:DK63000 p-BENZOQUINONE, 2-METHYL-

PH81800. 2-METHYLBENZOQUINONE-1,4 see:DK63000 p-BENZOQUINONE, 2-METHYL-

PH82000. 2-METHYL-p-BENZOQUINONE see:DK63000 p-BENZOQUINONE, 2-METHYL-

PH89250. 1-METHYL-3:4-BENZPHENANTHRENE see:DI96250 BENZO(c)PHENANTHRENE, 6-METHYL-

PH90100. 2-METHYL-3,4-BENZPHENANTHRENE see:DI98500 BENZO(c)PHENANTHRENE, 8-METHYL-

PH91000. 6-METHYL-3,4-BENZPHENANTHRENE see:DI96250 BENZO(c)PHENANTHRENE, 7-METHYL-

PH91500. 6-METHYL-3:4-BENZPHENANTHRENE see:DI89250 BENZO(c)PHENANTHRENE, 2-METHYL-

PH92000. 8-METHYL-3:4-BENZPHENANTHRENE see:DI92750 BENZO(c)PHENANTHRENE, 4-METHYL-

PH94500. 5-METHYL-3,4-BENZPYRENE
TXDS: scu-mus TDLo:80 mg/kg TPX:NEO JNCIAM 1,303,40

PH96250. 8-METHYL-3,4-BENZPYRENE see:DJ71750 BENZO(a)PYRENE, 3-METHYL-

PI08750. METHYLBENZYLNITROSAMINE see:DP63000 BENZYLAMINE, N-METHYL-N-NITROSO-

PI11425. 4'-METHYL-3:4-BENZPYRENE see:DJ74400 BENZO(a)PYRENE, 7-METHYL-

PI11460. METHYL-BENZYL-NITROSOAMIN (German) see:DP63000 BENZYLAMINE, N-METHYL-N-NITROSO-

PI12250. METHYLBIS(beta-CHLOROETHYL)AMINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

PI14000. N-METHYL-BIS(beta-CHLOROETHYL)AMINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

PI15750. N-METHYL-BIS(2-CHLOROETHYL)AMINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

PI17500. METHYLBIS(2-CHLOROETHYL)AMINE HYDROCHLORIDE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

PI18750. METHYLBIS(beta-CHLOROETHYL)AMINE N-OXIDE see:IA22000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-N-OXIDE

PI19250. METHYLBIS(beta-CHLOROETHYL)AMINE N-OXIDE HYDROCHLORIDE see:IA22750 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE, HYDROCHLORIDE

PI34750. 1-METHYL-7-BROMOMETHYLBENZ(a)ANTHRACENE see:CW04500 BENZ(a)ANTHRACENE, 7-BROMOMETHYL-1-METHYL-

PI49450. 3'-METHYLBUTTERGELB (German) see:CY03500 BENZENAMINE, N,N-DIMETHYL-4-((3-METHYLPHENYL)AZO)-

PI61250. METHYL-BUTYL-HYDRAZINE see:HV61250 HYDRAZINE, METHYL-BUTYL-

PI66300. METHYL-BUTYL-NITROSAMIN (German) see:EO54250 BUTYLAMINE, N-METHYL-N-NITROSO-

PI71750. METHYL CARBAMATE see:FC24500 CARBAMIC ACID, METHYL ESTER

PI72500. N-METHYLCARBAMATE DE 1-NAPHTYLE (French) see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

PI73200. METHYLCARBAMIC ACID, ETHYL ESTER see:FC26250 CARBAMIC ACID, METHYL-, ETHYL ESTER

PI82250. METHYLCARBINOL see:KQ63000 ETHYL ALCOHOL

PJ21000. METHYLCHLOROMETHYL ETHER see:KN66500 ETHER, CHLOROMETHYL METHYL

PJ22000. 4-METHYL-6-(((2-CHLORO-4-NITRO)PHENYL)AZO)-m-ANISIDINE see:BZ69000 m-ANISIDINE, 4-METHYL-6-(((2-CHLORO-4-NITRO)PHENYL)AZO)-

PJ40250. METHYLCHOLANTHRENE see:PZ36750 CHOLANTHRENE, 3-METHYL-

PJ42000. 3-METHYLCHOLANTHRENE see:PZ36750 CHOLANTHRENE, 3-METHYL-

PJ43750. 5-METHYLCHOLANTHRENE see:PZ40250 CHOLANTHRENE, 5-METHYL-

PJ45500. 20-METHYLCHOLANTHRENE see:PZ36750 CHOLANTHRENE, 3-METHYL-

PJ47200. 20-METHYLCHOLANTHRENE-CHOLEIC ACID see:FZ21600 5-beta-CHOLAN-24-OIC ACID, 3-alpha,12-alpha-DIHYDROXY-, compd. with CHOLANTHRENE, 3-METHYL-

PJ48500. 20-METHYLCHOLANTHRENE PICRATE see:TJ78900 PICRIC ACID compd. with 3-METHYLCHOLANTHRENE (1:1)

PJ49500. 3-METHYLCHOLANTHRENE compd. with PICRIC ACID (1:1) see:TJ78900 PICRIC ACID compd. with 3-METHYLCHOLANTHRENE (1:1)

PJ51500. 20-METHYLCHOLANTHRENE-TRINITROBENZENE see:PZ40500 CHOLANTHRENE, 3-METHYL-, compd. with 1,3,5-TRINITROBENZENE (1:1)

PJ52900. 3-METHYLCHOLANTHREN-1-OL see:FZ41000 CHOLANTHREN-1-OL, 3-METHYL-

PJ53300. 20-METHYLCHOLANTHREN-15-ONE see:PZ43750 CHOLANTHREN-1-ONE, 3-METHYL-

PJ59500. 4-METHYL CHRYSENE see:GC14000 CHRYSENE, 4-METHYL-

PJ61250. 6-METHYLCHRYSENE see:GC17500 CHRYSENE, 6-METHYL-

PJ62250. METHYLCOLCHICINE see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

PJ73500. 9-METHYL-10-CYANO-1,2-BENZANTHRACENE see:CW14000 BENZ(a)ANTHRACENE, 7-CYANO-12-METHYL-

PJ96250. METHYLCYCLOHEXYLNITROSAMINE see:GX15750 CYCLOHEXYLAMINE, N-METHYL-N-NITROSO-

PK02600. 17-METHYL-15H-CYCLOPENTA(a)PHENANTHRENE see:GY57000 15H-CYCLOPENTA(a)PHENANTHRENE, 17-METHYL-

PK03500. 3-METHYLCYCLOPENTENOPHENANTHRENE
WLN: L E5 B666T6&6J D
TXDS: skn-mus TDLo:160 mg/kg/WC TFX:NEO AERO** 6,1,53

PK05250. 3'-METHYLCYCLOPENTENOPHENANTHRENE
WLN: L E5 B666T6&6J F
TXDS: skn-mus TDLo:160 mg/kg/WC TFX:NEO AERO** 6,1,53

PK07000. 4-METHYLCYCLOPENTENOPHENANTHRENE
WLN: L E5 B666T6&6J C
TXDS: skn-mus TDLo:160 mg/kg/WC TFX:NEO AERO** 6,1,53

PK08750. 9-METHYLCYCLOPENTENOPHENANTHRENE
TXDS: scu-mus TDLo:1400 mg/kg/60WI TFX:NEO AERO** 6,1,53

PK14000. 2-METHYL-DAB see:XU59500 m-TOLUIDINE, N,N-DIMETHYL-4-(PHENYLAZO)-

PK20000. N-METHYL-N-DESACETYLCOLCHICINE see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

PK21900. 2-METHYL-N,N'-DIACETYLBENZIDINE see:DT29000 4',4'''-BIACETANILIDE, 2'-METHYL-

PK22750. 5'-METHYL-2',4'-DIAMINO BENZENE-AZO-2-FLUORENE
TXDS: skn-rat TDLo:144 mg/kg/I TFX:NEO JNCIAM 13,955,52

PK26250. 10-METHYLDIBENZ(a,c)ANTHRACENE see:DM21000 BENZO(b)TRIPHENYLENE, 10-METHYL-

PK27200. 2-METHYLDIBENZ(a,h)ANTHRACENE see:HN54500 DIBENZ(a,h)ANTHRACENE, 2-METHYL

PK28200. 3-METHYLDIBENZ(a,h)ANTHRACENE see:HN54750 DIBENZ(a,h,)ANTHRACENE, 3-METHYL-

PK29200. 2'-METHYL-1:2:5:6-DIBENZANTHRACENE see:HN54500 DIBENZ(a,h)ANTHRACENE, 2-METHYL

PK30200. 3'-METHYL-1:2:5:6-DIBENZANTHRACENE see:HN54750 DIBENZ(a,h,)ANTHRACENE, 3-METHYL-

PK31200. 4-METHYL-1,2,5,6-DIBENZANTHRACENE see:HN55000 DIBENZ(a,h)ANTHRACENE, 6-METHYL-

PK32000. N-METHYL-3:4:5:6-DIBENZCARBAZOLE see:HO57600 7H-DIBENZO(c,g)CARBAZOLE, N-METHYL-

PK32500. N-METHYL-7H-DIBENZO(c,g)CARBAZOLE see:HO57600 7H-DIBENZO(c,g)CARBAZOLE, N-METHYL-

PK33500. 10-METHYLDIBENZO(def,p)CHRYSENE see:HO71750 DIBENZO(def,p)CHRYSENE, 10-METHYL-

PK36000. 5-METHYL-1,2,3,4-DIBENZOPYRENE see:HO71750 DIBENZO(def,p)CHRYSENE, 10-METHYL-

PK36350. 5-METHYL-3,4,9,10-DIBENZPYRENE (French) see:DI61550 BENZO(r,s,t)PENTAPHENE, 5-METHYL-

PK45500. N-METHYL-2,2'-DICHLORODIETHYLAMINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

PK47250. METHYLDI(2-CHLOROETHYL)AMINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

PK49000. METHYLDI(beta-CHLOROETHYL)AMINE HYDROCHLORIDE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

PK50750. METHYLDI(2-CHLOROETHYL)AMINE HYDROCHLORIDE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

PK52500. METHYLDI(2-CHLOROETHYL)AMINE N-OXIDE HYDROCHLORIDE see:IA22750 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE, HYDROCHLORIDE

PK57750. METHYL DIEPOXYDIALLYLACETATE see:YV73500 VALERIC ACID, 4,5-EPOXY-2-(2,3-EPOXYPROPYL)-, METHYL ESTER

PK84800. 3'-METHYL-4-DIMETHYLAMINOAZOBENZEN (Czech) see:CY03500 BENZENAMINE, N,N-DIMETHYL-4-((3-METHYLPHENYL)AZO)-

PK85750. 3'-METHYL-4-DIMETHYLAMINOAZOBENZENE see:CY03500 BENZENAMINE, N,N-DIMETHYL-4-((2-METHYLPHENYL)AZO)-

PK87500. 3'-METHYL-4-DIMETHYLAMINOAZOBENZENE see:CY03500 BENZAMINE, N,N-DIMETHYL-4-((3-METHYLPHENYL)AZO)-

PK89250. 2-METHYL-4-DIMETHYLAMINOAZOBENZENE HYDROCHLORIDE
TXDS: orl-rat TDLo:240 mg/kg TFX:NEO GANNA2 35,280,41

PK91300. 3'-METHYLDIMETHYLAMINOAZOBENZOL (German) see:CY03500 BENZENAMINE, N,N-DIMETHYL-4-((3-METHYLPHENYL)AZO)-

PL29750. 4,4'-METHYLENE(BIS)-CHLOROANILINE see:CY10500 BENZENAMINE, 4,4'-METHYLENEBIS(2-CHLORO-

PL31500. p,p'-METHYLENEBIS(alpha-CHLOROANILINE) see:CY10500 BENZENAMINE, 4,4'-METHYLENEBIS(2-CHLORO-

PL33250. METHYLENE 4,4'-BIS(o-CHLOROANILINE) see:CY10500 BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-

PL42000. N,N-METHYLENEBIS(ETHYL CARBAMATE) see:FA89250 CARBAMIC ACID, ETHYL ESTER, METHYLENEBIS(-

PL63000. 4,4'-METHYLENEDIANILINE see:BY54250 ANILINE, 4,4'-METHYLENEDI-

PL66500. 1',9-METHYLENE-1,2:5,6-DIBENZANTHRACENE see:HN01750 13H-DIBENZ(bc,j)ACEANTHRYLENE

PL77000. 4,4'-METHYLENEDIMORPHOLINE see:QE61250 MORPHOLINE, 4,4'-METHYLENEDI-

PL78750. 1,2-METHYLENEDIOXY-4-ALLYLBENZENE see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

PL80500. 3,4-METHYLENEDIOXY-ALLYBENZENE see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

PL94500. 1,2-METHYLENEDIOXY-4-PROPENYLBENZENE see:DA59500 BENZENE, 1,2-(METHYLENEDIOXY)-4-PROPENYL-

PL96250. 1,2-(METHYLENEDIOXY)-4-PROPYLBENZENE see:DA61250 BENZENE, 1,2-METHYLENEDIOXY-4-PROPYL

PL98000. 3,4-METHYLENEDIOXY-1-PROPENYL BENZENE see:DA59500 BENZENE, 1,2-(METHYLENEDIOXY)-4-PROPENYL-

PM14000. METHYLENE DIURETHAN see:FA89250 CARBAMIC ACID, ETHYL ESTER, METHYLENEBIS(-

PM26250. METHYLENE OXIDE see:LP89250 FORMALDEHYDE

PM42600. 6-METHYL-3,4-EPOXYCYCLOHEXYLMETHYL 6-METHYL-3,4-EPOXYCYCLOHEXANE CARBOXYLATE see:RN77000 7-OXABICYCLO(4.1.0)HEPTANE-3-CARBOXILIC ACID, 4-METHYL-, (4-METHYL-7-OXABICYCLO(4.1.0) HEPT-3-YL)METHYL ESTER

PM46100. METHYLESTER KYSELINY p-TOLUENSULFONOVE (Czech) see:XT70000 p-TOLUENESULFONIC ACID, METHYL ESTER

PM47150. METHYLE (SULFATE DE) (French) see:WS82250 SULFURIC ACID, DIMETHYL ESTER

PM47200. 1,1'(METHYLETHANEDILIDENEDINITRILO)GUANIDINE DIHYDROCHLROIDE HYDRATE see:DU28000 BIGUANIDINE, 1,1'-((METHYLETHANEDIYLIDENE)DINITRILO)-, DIHYDROCHLORIDE DIHYDRATE

PM52500. 9-METHYL-10-ETHOXYMETHYL-1,2-BENZANTHRACENE see:CW56000 BENZ(a)ANTHRACENE, 7-ETHOXY METHYL-12-METHYL-

PM56000. N-METHYL-N-ETHYL-p-AMINOAZOBENZENE see:BY04300 ANILINE, N-ETHYL-N-METHYL-p-(PHENYLAZO)-

PM57000. N-METHYL-4'-ETHYL-p-AMINOAZOBENZENE see:BY56800 ANILINE, N-METHYL-p-(4-ETHYLPHENYLAZO)-

PM58000. 4-(METHYLETHYL)AMINOAZOBENZINE see:BY04300 ANILINE, N-ETHYL-N-METHYL-p-(PHENYLAZO)-

PM68250. 3-METHYL-10-ETHYL-7,8-BENZACRIDINE
WLN: T D6 B666 CNJ G J2
TXDS: scu-mus TDLo:200 mg/kg/20DI TFX:NEO BAPBAG 34,22,47

PM72500. 10-METHYL-3-ETHYL-7,8-BENZACRIDINE (French) see:CU38515 BENZ(c)ACRIDINE, 9-ETHYL-7-METHYL-

PM85750. N-METHYL-N-ETHYL-4-(4'-(PYRIDYL-1'-OXIDE)AZO)ANILINE see:UT33250 PYRIDINE, 4-((((4-ETHYL-4-METHYL)AMINO)PHENYL)AZO)-, 1-OXIDE

PN07000. 2-METHYLFLUORANTHENE see:LL45500 FLUORANTHENE, 2-METHYL-

PN08750. 3-METHYLFLUORANTHENE see:LL47250 FLORANTHENE, 3-METHYL-

PN21800. METEYL GAG see:DU28000 BIGUANIDINE, 1,1'-((METHYLETHANEDIYLIDENE)DINITRILO)-, DIHYDROCHLORIDE DIHYDRATE

PN76800. METHYLHYDRAZINE see:HV56000 HYDRAZINE, METHYL-

PN77000. 1-METHYLHYDRAZINE see:HV56000 HYDRAZINE,METHYL

PN78750. 4-((2-METHYLHYDRAZINO)METHYL)-N-ISOPROPYLBENZAMIDE see:XS45500 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-

PN80000. p-(N'-METHYLHYDRAZINOMETHYL)-N-ISOPROPYLBENZAMIDE HYDROCHLORIDE see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

PN82250. (alpha-(2-METEYLHYDRAZINO)-p-TOLUOYL)UREA, MONOHYDROBROMIDE see:YT75250 UREA, (alpha-(2-METHYLHYDRAZINO)-p-TOLUOYL)-, MONOHYDROBROMIDE

PO04000. 2-METHYL-1-(2-HYDROXYETHYL)-5-NITROIMIDAZOLE see:NI56000 IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-

PO04500. 2-METHYL-3-(2-HYDROXYETHYL)-4-NITROIMIDAZOLE see:NI56000 IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-

PO14000. 2-METHYL-4-HYDROXYLAMINOQUINOLINE 1-OXIDE see:VC07000 QUINOLINE, 2-METHYL-4-HYDROXYLAMINO-, 1-OXIDE

PO15750. 5-METHYL-4-HYDROXYLAMINOQUINOLINE 1-OXIDE see:VB87500 QUINOLINE, 4-(HYDROXYAMINO)-5-METHYL-, 1-OXIDE

PO17500. 6-METHYL-4-HYDROXYLAMINOQUINOLINE 1-OXIDE see:VB89250 QUINOLINE, 4-(HYDROXYAMINO)-6-METEYL-, 1-OXIDE

PO19250. 7-METHYL-4-HYDROXYLAMINOQUINOLINE 1-OXIDE see:VB91000 QUINOLINE, 4-(HYDROXYAMINO)-7-METHYL-, 1-OXIDE

PO21000. 8-METHYL-4-HYDROXYLAMINOQUINOLINE 1-OXIDE see:VB92750 QUINOLINE, 4-(HYDROXYAMINO)-8-METHYL-, 1-OXIDE

PO26250. METHYL 12-HYDROXYSTEARATE see:WI42000 STEARIC ACID, 12-HYDROXY-, METHYL ESTER

PO50750. METEYL IODIDE see:PA94500 METHANE, IODO

PO85750. 2-METHYL-5-ISOPROPYL-p-BENZOQUINONE see:OS82250 p-MENTHA-3,6-DIENE-2,5-DIONE

PO87500. 1-METHYL-2-(p-ISOPROPYLCARBAMOYLBENZYL)HYDRAZINE HYDROCHLORIDE see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

PO89250. 1-METHYL-2-p-(ISOPROPYLCARBAMYOL)BENZOHYDRAZINE HYDROCHLORIDE see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

PP07000. N'-(5-METHYL-3-ISOXAZOLE)SULFANILAMIDE see:WP07000 SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-

PP07250. N'-(5-METHYL-3-ISOXAZOLYL)SULFANILAMIDE see:WP07000 SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-

PP07500. METHYLJODID (German) see:PA94500 METHANE, IODO-

PP07600. METHYLJODIDE (Dutch) see:PA94500 METHANE, IODO-

PP73500. METHYL METHACRYLATE POLYMER
SYN: POLYMETHYL METHACRYLATE *
TXDS: scu-rat TDLo:300 mg/kg TFX:NEO CNREA8 15,333,55

PP77000. METHYL METHANESULFONATE see:PB26250 METHANESULFONIC ACID, METHYL ESTER

PP93000. N-METHYL-2'-METHYL-p-AMINOAZOBENZENE see:BY64000 ANILINE, N-METHYL-p-(o-TOLYLAZO)-

PP96000. N-METHYL-3'-METHYL-p-AMINOAZOBENZENE see:BY63500 ANILINE, N-METHYL-p-(m-TOLYLAZO)-

PP97000. N-METHYL-4'-METHYL-p-AMINOAZOBENZENE see:BY64500 ANILINE, N-METHYL-p-(p-TOLYLAZO)-

PQ12250. 10-METHYL-1',9-METHYLENE-1,2-BENZANTHRACENE see:CU10500 11H-BENZ(bc)ACEANTHRYLENE, 6-METHYL-

PQ36000. 3'-METHYL-4-MONOMETHYLAMINOAZOBENZENE see:BY63500 ANILINE, N-METHYL-p-(m-TOLYLAZO)-

PQ48500. N-METHYL-1-NAPTYL-CARBAMAAT (Dutch) see:PC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

PQ52500. 5-METHYLNAPHTHO(1,2,3,4-def)CHRYSENE see:QL03500 NAPHTHO(1,2,3,4-def)CHRYSENE, 5-METHYL-

PQ54250. 6-METHYLNAPHTHO(1,2,3,4-def)CHRYSENE see:QL05250 NAPHTHO(1,2,3,4-def)CHRYSENE, 6-METHYL-

PQ66500. 3-METHYL-2-NAPHTHYLAMINE see:QM40250 2-NAPHTHYLAMINE, 3-METHYL-

PQ68250. 3-METHYL-2-NAPHTHYLAMINE, HYDROCHLORIDE see:QM42000 2-NAPHTHYLAMINE, 3-METHYL-, HYDROCHLORIDE

PQ69000. N-METHYL-1-NAPHTHYL-CARBAMAT (German) see:PC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

PQ70000. N-METHYL-alpha-NAPHTHYLCARBAMATE see:PC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

PQ71750. N-METHYL-1-NAPHTHYL CARBAMATE see:PC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

PQ75250. N-METHYL-alpha-NAPHTHYLURETHAN see:PC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

PQ91800. 2-METHYL-5-NITROIMIDAZOLE-1-ETHANOL see:NI56000 IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-

PQ92750. METHYLNITROIMIDAZOLYLMERCAPTOPURINE see:UO89250 PURINE, 6-((1-METHYL-4-NITROIMIDAZOL-5-YL)THIO)-

PQ94500. 6-((1-METHYL-4-NITROIMIDAZOL-5-YL)THIO)PURINE see:UO89250 PURINE, 6-((1-METHYL-4-NITROIMIDAZOL-5-YL)THIO)-

PQ96250. 6-(1-METHYL-4-NITRO-5-IMIDAZOLYL)THIOPURINE see:UO89250 PURINE, 6-((1-METHYL-4-NITROIMIDAZOL-5-YL)THIO)-

PQ98000. 6-(1-METHYL-4-NITROIMIDAZOL-5-YLTHIO)PURINE see:UO89250 PURINE, 6-((1-METHYL-4-NITROIMIDAZOL-5-YL)THIO)-

PR03500. N-METHYL-N'-NITRO-N-NITROSOGUANIDINE see:MF42000 GUANIDINE, 1-METHYL-3-NITRO-1-NITROSO-

PR10500. 3-METHYL-4-NITROPYRIDINE 1-OXIDE see:OT57750 PYRIDINE, 3-METHYL-4-NITRO-, 1-OXIDE

PR12250. 5-METHYL-4-NITROQUINOLINE 1-OXIDE see:VC10500 QUINOLINE, 5-METHYL-4-NITRO-, 1-OXIDE

PR14000. 6-METHYL-4-NITROQUINOLINE 1-OXIDE see:VC12250 QUINOLINE, 6-METHYL-4-NITRO-, 1-OXIDE

PR15750. 7-METHYL-4-NITROQUINOLINE 1-OXIDE see:VC14000 QUINOLINE, 7-METHYL-4-NITRO-, 1-OXIDE

PR17500. 8-METHYL-4-NITROQUINOLINE 1-OXIDE see:VC15750 QUINOLINE, 8-METHYL-4-NITRO-, 1-OXIDE

PR19250. METHYLNITROSO-ACETAMIDE see:AC63000 ACETAMIDE, N-METHYL-N-NITROSO-

PR21000. N-METHYL-N-NITROSO-N'-ACETYLUREA see:YR70000 UREA, 3-ACETYL-1-METHYL-1-NITROSO-

PR22750. 1-METHYL-1-NITROSOACETYLUREA see:YT82250 UREA, 1-METHYL-1-NITROSOACETYL-

PR24500. N-METHYL-N-NITROSOALLYLAMINE see:BA70000 ALLYLAMINE, N-METHYL-N-NITROSO-

PR26250. 1-(N-METHYL-N-NITROSAMINO)-1-DEOXY-D-GLUCITOL see:LZ43750 GLUCITOL, 1-DEOXY-1-(METHYLNITROSAMINO)-, D-

PR28000. N-METHYL-N-NITROSOANILINE see:BY57750 ANILINE,N-METHYL-N-NITROSO

PR29750. N-METHYL-N-NITROSOBENZYLAMINE see:DP63000 BENZYLAMINE, N-METHYL-N-NITROSO-

PR31500. N-METHYL-N-NITROSOBIURET see:EC19250 BIURET, 1-METHYL-1-NITROSO-

PR33250. 1-METHYL-1-NITROSOBIURET see:EC19250 BIURET, 1-METHYL-1-NITROSO-

PR35000. N-METHYL-N-NITROSOBUTYLAMINE see:EO54250 BUTYLAMINE, N-METHYL-N-NITROSO-

PR36750. N-METHYL-N-NITROSOCARBAMIC ACID, ETHYL ESTER see:FC63000 CARBAMIC ACID,N-METHYL-N-NITROSO-,ETHYL ESTER

PR38500. N-METHYL-N-NITROSO-N'-CARBAMOYLUREA see:EC19250 BIURET, 1-METHYL-1-NITROSO-

PR40250. N-METHYL-N-NITROSOCYCLOHEXYLAMINE see:GX15750 CYCLOHEXYLAMINE, N-METHYL-N-NITROSO-

PR42000. 1-METHYL-N-NITROSODIETHYLAMINE see:IA34000 DIETHYLAMINE, 1-METHYL-N-NITROSO-

PR43750. N-METHYL-N-NITROSO-beta-D-GLUCOSYLAMINE see:LZ82250 D-GLUCOSYLAMINE, N-METHYL-N-NITROSO-beta-

PR45500. N-METHYL-N-NITROSO-N'-NITROGUANIDINE see:NF42000 GUANIDINE, 1-METHYL-3-NITRO-1-NITROSO-

PR47250. N-METHYL-N-NITROSOPENTYLAMINE see:SC12250 PENTYLAMINE, N-METHYL-N-NITROSO-

PR49000. METHYL-(4-NITROSOPHENYL)NITROSAMINE see:BY49000 ANILINE, N-METHYL-N,p-DINITROSO-

PR50750. METHYLNITROSO-PROPIONAMIDE see:UG64750 PROPIONYLAMIDE, N-METHYL-N-NITROSO-

PR52500. N-METHYL-N-NITROSOUREA see:YT78750 UREA,METHYL NITROSO

PR54250. 1-METHYL-1-NITROSOUREA see:YT78750 UREA,METHYL NITROSO

PR56000. METHYLNITROSOURETHANE see:FC63000 CARBAMIC ACID,N-METHYL-N-NITROSO-,ETHYL ESTER

PR57750. N-METHYL-N-NITROSO-URETHANE see:FC63000 CARBAMIC ACID, N-METHYL-N-NITROSO-, ETHYL ESTER

PR59500. N-METHYL-N-NITROSOVINYLAMINE see:YZ08750 VINYLAMINE, N-METHYL-N-NITROSO-

PR63500. METHYLOCTYLDIAZENE 1-OXIDE see:HM29700 DIAZENE 1-OXIDE, METHYLOCTYL-

PR73500. 4-METHYL-2-OXETANONE see:RQ80500 2-OXETANONE, 4-METHYL-

PS14750. 2-METHYLPHENANTHRO(2,1-d)THIAZOLE see:SP85750 PHENANTHRO(2,1-d)THIAZOLE, 2-METHYL-

PS78750. N-METHYL-p-(PHENYLAZO)ANILINE see:BY59500 ANILINE, N-METHYL-p-(PHENYLAZO)-

PS80500. N-METHYL-4-(PHENYLAZO)-o-ANISIDINE see:BZ70000 o-ANISIDINE, N-METHYL-4-(PHENYLAZO)-

PS85000. 5-METHYL-7-PHENYL-1:2-BENZACRIDINE see:CU38600 BENZ(c)ACRIDINE, 7-METHYL-9-PHENYL-

PT05250. 4-METHYL-m-PHENYLENEDIAMINE see:XS96250 TOLUENE-2,4-DIAMINE

PT15750. METHYL-PHENYLETHYL-NITROSOMINE see:PP91000 METHYLAMINE, NITROSO-PHENYLETHYL-

PT31500. METHYLPHENYLNITROSAMINE see:BY57750 ANILINE,N-METHYL-N-NITROSO

PU38500. 12-METHYL-7-PROPYLBENZ(a)ANTHRACENE see:CX26250 BENZ(a)ANTHRACENE, 12-METHYL-7-PROPYL-

PU56800. METHYLPROPYLNITROSOAMINE see:UI38500 PROPYLAMINE, N-METHYL-N-NITROSO-

PU57000. METHYL-n-PROPYLNITROSAMINE see:UI38500 PROPYLAMINE, N-METHYL-N-NITROSO-

PU70000. METHYL PROTOANEMONIN see:LU43750 2(5H)-FURANONE, ETHYLIDENE-

PU84000. 2-METHYLPYRIDINE-4-AZO-p-DIMETHYLANILINE see:TJ54250 2-PICOLINE, 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-

PU87500. 2-METHYLPYRIDINE-1-OXIDE-4-AZO-p-DIMETHYLANILINE see:TJ56000 2-PICOLINE, 4-((4-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

PU89250. 3-METHYLPYRIDINE-1-OXIDE-4-AZO-p-DIMETHYLANILINE see:TJ57750 3-PICOLINE, 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE

PV18800. 2-METHYL-1,4-QUINONE see:DK63000 p-BENZOQUINONE, 2-METHYL-

PV43750. 5-METHYL-3-SULFANILAMIDOISOXAZOLE see:WP07000 SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-

PV45500. 5-METHYL-3-SULFANYLAMIDOISOXAZOLE see:WP07000 SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-

PV47250. METHYL SULFATE see:WS82250 SULFURIC ACID, DIMETHYL ESTER

PV54250. METHYLSULFONIC ACID, ETHYL ESTER see:PB21000 METHANESULFONIC ACID, ETHYL ESTER

PV56000. METHYLSULFONAL see:EJ52500 BUTANE, 2,2-BIS(ETHYLSULFONYL)-

PV63000. METHYL SULPHONOXY BUTANE see:EK45500 BUTANE, METHYLSULPHONOXY-

PV68500. 6-METHYL-1,2,3,4-TETRAHYDROBENZ(a)ANTHRACENE see:CX27000 BENZ(a)ANTHRACENE, 6-METHYL-1,2,3,4-TETRAHYDRO-

PV68750. 4-METHYL-1',2',3',4'-TETRAHYDRO-1,2-BENZANTHRACENE see:CX27000 BENZ(a)ANTHRACENE, 6-METHYL-1,2,3,4-TETRAHYDRO-

PV84000. alpha-METHYL TETRONIC ACID see:LU47250 2(5)-FURANONE, 4-HYDROXY-5-METHYL-

PW13000. 6-METHYL-2-THIO-2,4-(1H3H)-PYRIMIDINEDIONE see:YR08750 URACIL, 6-METHYL-2-THIO-

PW15750. METHYLTHIOURACIL see:YR08750 URACIL, 6-METHYL-2-THIO-

PW17500. 4-METHYL-2-THIOURACIL see:YR08750 URACIL, 6-METHYL-2-THIO-

PW18200. 6-METHYL-2-THIOURACIL see:YR08750 URACIL, 6-METHYL-2-THIO-

PW24500. METHYL-p-TOLUENESULFONATE see:XT70000 p-TOLUENESULFONIC ACID, METHYL ESTER

PW26600. N-METHYL-p-(m-TOLYLAZO)ANILINE see:BY63500 ANILINE, N-METHYL-p-(m-TOLYLAZO)-

PW26900. N-METHYL-p-(o-TOLYLAZO)ANILINE see:BY64000 ANILINE, N-METHYL-p-(o-TOLYLAZO)-

PW27200. N-METHYL-p-(p-TOLYLAZO)ANILINE see:BY64500 ANILINE, N-METHYL-p-(p-TOLYLAZO)-

PW38000. METHYL TOSYLATE see:XT70000 p-TOLUENESULFONIC ACID, METHYL ESTER

PW40250. 2'-METHYL-1,2:4,5:8,9-TRIBENZOPYRENE see:HP57750 DIBENZO(h,rst)PENTAPHENE, 7-METHYL-

PW45500. METHYL TRICHLORIDE see:FS91000 CHLOROFORM

PW54250. 1-METHYLTRICYCLOQUINAZOLINE
MW: 334.40 MOLFM: N4-C22-H14
TXDS: skn-mus TDLo:1200 mg/kg/YI TFX:CAR BJCAAI 16,275,62

PW56000. 3-METHYLTRICYCLOQUINAZOLINE
MW: 334.40 MOLFM: N4-C22-H14
TXDS: skn-mus TDLo:1200 mg/kg/YI TFX:CAR BJCAAI 16,275,62

PW57750. 4-METHYLTRICYCLOQUINAZOLINE
MW: 334.40 MOLFM: N4-C22-H14
TXDS: skn-mus TDLo:1200 mg/kg/YI TFX:CAR BJCAAI 16,275,62

PW80500. 6-METHYLURACIL see:YR07000 URACIL, 6-METHYL-

PW84900. N-METHYL URETHAN see:FC26250 CARBAMIC ACID, METHYL-, ETHYL ESTER

PW85750. METHYLURETHANE see:FC24500 CARBAMIC ACID, METHYL ESTER

PW98000. METHYLVINYLNITROSAMINE see:YZ08750 VINYLAMINE, N-METHYL-N-NITROSO-

PX35000. METHYL YELLOW see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

PX36000. METHYL ZIMATE see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

PX36750. METHYL ZIRAM see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

PX44175. N-METIL-1-NAFTIL-CARBAMMATO (Italian) see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

PX66500. METOXON see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

PX85000. METRONIDAZOL see:NI56000 IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-

PX85500. METRONIDAZOLE see:NI56000 IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-

PX89600. METYLU JODEK (Polish) see:PA94500 METHANE, IODO-

PY05250. MH see:UR59500 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-

PY08750. MH 30 see:UR59500 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-

PY10500. MH-30 see:UR54250 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-, compd. with 2,2'-IMINODIETHANOL (1:1)

PY27000. MICACEOUS IRON OXIDES see:OM49000 MAGNETITE

PY47250. MICROEST see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

PY52430. MIH see:XS45500 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-

PY52460. MIH see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

PY56000. MILBAM see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

PY57750. MILBAM see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

PY63000. MILESTROL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

PY66500. MILK SUGAR see:OD96250 LACTOSE

PY80300. MINERAL OIL see:SE71750 PETROLEUM

PY83000. MINETOIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

PZ19250. MIREX see:PC82250 1,3,4-METHENO-1H-CYCLOBUTA(cd)PENTALENE, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-=
DODECACHLOROOCTAHYDRO-

PZ19700. MIRLON see:RF52500 NYLON

PZ38500. MITOMEN see:IA22750 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE, HYDROCHLORIDE

PZ38750. MITOMIN see:IA22000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE

PZ43750. MITOMYCIN-C see:CN07000 AZIRINO(2',3':3,4)PYRROLO(1,2-a)INDOLE-4,7-DIONE, 6-AMINO-
1,1a,2,8,8a,8b-HEXAHYDRO-8-(HYDROXY METHYL)-8a-METHOXY-5-METHYL-, CARBAMATE (ester)

PZ45500. MITOSTAN see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

PZ46100. MITOTEN see:IA22000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE

PZ53400. MITSUI AURAMINE O see:BY36750 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-,
HYDROCHLORIDE

PZ54250. MITSUI BLUE B BASE see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

PZ56000. MITSUI BLUE B SALT see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

PZ61800. MITSUI DIRECT BLUE 2BN see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-
BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

PZ62400. MITSUI INDIGO CARMINE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-
DIOXO-, DISODIUM SALT

PZ70750. MJ 1992 see:PB05250 METHANESULFONANILIDE, 2'-HYDROXY-5'-(1-HYDROXY-2-(ISOPROPYLAMINO)
ETHYL)-, MONOCHLORIDE

PZ78750. MK 56 see:UQ22750 PYRAZINECARBOXAMIDE

PZ92750. MM see:OP29750 MANNITOL, 1,6-DIMETHANESULFONATE, D-

PZ96250. MMC see:CN07000 AZIRINO(2',3':3,4)PYRROLO(1,2-a)INDOLE-4,7-DIONE, 6-AMINO-
1,1a,2,8,8a,8b-HEXAHYDRO-8(HYDROXYMETHYL)-8a-METHOXY-5-METHYL-, CARBAMATE (ESTER)

QA03500. MMH see:MV56000 HYDRAZINE,METHYL

QA07000. MMS see:PB26250 METHANESULFONIC ACID, METHYL ESTER

QA14500. MNU see:YT78750 UREA, METHYL NITROSO-

QA26250. MOCA see:CY10500 BENZENAMINE, 4,4'-METHYLENEBIS(2-CHLORO-

QA36750. MOLASSES ALCOHOL see:KQ63000 ETHYL ALCOHOL

QA63000. MONOACETYL 4-HYDROXYAMINOQUINOLINE see:AL14000 ACETOHYDROXAMIC ACID, N-(4-QUINOLYL)-

QA71750. MONOBASIC LEAD ACETATE see:OP87500 LEAD, BIS(ACETATO)TETRAHYDROXYTRI-

QA95300. MONOCHLORACETONE see:UC07000 2-PROPANONE, 1-CHLORO-

QB08750. MONOCHLOROACETONE see:UC07000 2-PROPANONE, 1-CHLORO-

QB31500. MONOCROTALINE see:UY82250 PYRROLIZINE-2,6(3H)-DIONE, 4,5,8,10,12,13,13a,13b-
OCTAHYDRO-4,5-DIHYDROXY-3,4,5-TRIMETHYL-2H-(1,6)DIOXACYCLOUNDECINO(2,3,4-gh)-

QB50750. MONOETHYLENE GLYCOL see:KW29750 ETHYLENE GLYCOL

QB59000. MONOGLYCIDYL ETHER of N-PHENYLDIETHANOLAMINE see:KK79000 ETHANOL, 2-(N-(2-(2,3-
EPOXYPROPOXY)ETHYL)ANILINO)-

QB61250. MONOHYDROXYBENZENE see:SJ33250 PHENOL

QB69000. MONOIODURO DI METILE (Italian) see:PA94500 METHANE, IODO-

QB79500. 4-MONOMETHYLAMINOAZOBENZENE see:BY59500 ANILINE, N-METHYL-p-(PHENYLAZO)-

QB80500. N-MONOMETHYL-2-AMINOFLUORENE see:LL56000 FLUOREN-2-AMINE, N-METHYL-

QB89250. MONOMETHYLHYDRAZINE see:MV56000 HYDRAZINE,METHYL

QC45500. MONURON see:YS63000 UREA,3-(p-CHLOROPHENYL)-1,1-DIMETHYL

QC52500. MORKIT see:CB47250 ANTHRAQUINONE

QE61250. MORPHOLINE, 4,4'-METHYLENEDI-
CAS: 005625901 MW: 186.29 MOLFM: N2-O2-C9-H18
WLN: T6N DOTJ A- 21
SYN: BISMORPHOLINO METHANE * 4,4'-METHYLENEDIMORPHOLINE *
TXDS: scu-rat TDLo:50 mg/kg TFX:CAR FCTXAV 6,576,68

QE75250. MORPHOLINE, N-NITROSO-
CAS: 000059892 MW: 116.14 MOLFM: N2-O2-C4-H8
WLN: T6N DOTJ ANO
SYN: N-NITROSOMORPHOLIN (German) * N-NITROSOMORPHOLINE * 4-NITROSOMORPHOLINE *
TXDS: ipr-rat LD50: 282 mg/kg BJIMAG 19,276,62
scu-rat LD50:170 mg/kg ZEKBAI 80,17,73
orl-mus TDLo:150 mg/kg TFX:NEO ZEKBAI 66,303,64
scu-ham TDLo:1060 mg/kg/17WI TFX:NEO PMDZAR 89,251,71
scu-ham LD50:490 mg/kg ZEKBAI 81,251,74

QE77000. MORPHOLINE, 4-NITROSOTHIO-
MW: 132.20 MOLFM: N2-O-S-C4-H8
WLN: T6N DSTJ ANO
SYN: 4-NITROSOTHIOMORPHOLINE *
TXDS: orl-rat TDLo:860 mg/kg/38WI TFX:NEO ZEKBAI 74,179,70

QF77000. MORZID see:SZ26250 PHOSPHINE SULFIDE, BIS(1-AZIRIDINYL)MORPHOLINO-

QF79600. MOTH BALLS see:QJ05250 NAPHTHALENE

QF80500. MOTH FLAKES see:QJ05250 NAPHALENE

QF86750. MPN see:UI38500 PROPYLAMINE, N-METHYL-N-NITROSO-

QF93000. MS 53 see:WP07000 SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-

QG09750. MTU see:YR08750 URACIL, 6-METHYL-2-THIO-

QG10000. MTX see:MA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

QG21400. MURABBA see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

QG21850. MURACIL see:YR08750 URACIL, 6-METHYL-2-THIO-

QG54250. MUSTARD GAS see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)

QG59500. MUSTARD, SULFUR see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)

QG61250. MUSTARGEN see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

QG63000. MUSTARGEN HYDROCHLORIDE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

QG64750. MUSTINE see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

QG66500. MUSTINE HYDROCHLORIDE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

QG68250. MUSTRON see:IA22000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE

QG70000. MUTAGEN see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

QG89250. MYCOIN see:LV26250 4H-PURO(3,2-c)PYRAN-2(6H)-ONE, 4-HYDROXY-

QG91000. MYCOINE C3 see:LV26250 4H-PURO(3,2-C)PYRAN-2(6H)-ONE, 4-HYDROXY-

QH10500. MYELOSAN see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

QH14500. MYLAR see:TQ79000 POLYETHYLENE TEREPHTHALATE film

QH17500. MYLERAN see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

QH49100. MYRISTOYLETHYLENEIMINE see:CH81000 AZIRIDINE, 1-MYRISTOYL-

QH52500. MYRJ 45 see:TQ54000 POLYETHYLENE GLYCOL MONOSTEARATE

QH89750. NA see:QH21000 2-NAPHTHYLAMINE

QI18700. NAFTALEN (Polish) see:QJ05250 NAPHTHALENE

QI20000. beta-NAFTILAMINA (Italian) see:QH21000 2-NAPHTHYLAMINE

QI21300. alpha-NAFTYLAMIN (Czech) see:QM14000 1-NAPHTHYLAMINE

QI21600. beta-NAFTYLAMIN (Czech) see:QM21000 2-NAPHTHYLAMINE

QI22000. 1-NAFTYLAMINE (Dutch) see:QM14000 1-NAPHTHYLAMINE

QI22150. 2-NAFTYLAMINE (Dutch) see:QM21000 2-NAPHTHYLAMINE

QI22300. alpha-NAFTYL-N-METHYLKARBAMAT (Czech) see:PC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

QI35000. NAKO TNT see:XS96250 TOLUENE-2,4-DIAMINE

QI59400. 5-NAN see:AB10600 ACENAPHTHENE, 5-NITRO-

QI70400. NAPHTAMINE BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

QI94000. NAPHTH(1,2-k)ACEPHENANTHRYLENE, 4,5-DIHYDRO-
MW: 304.40 MOLFM: C24-H16
WLN: L H6 E6 C6656 1A A&-&&&&T&J
SYN: PHENANTHRA-ACENAPHTHENE *
TXDS: skn-mus TDLo:720 mg/kg/30WI TFX:NEO PRLBA4 117,318,35

QI96250. alpha-NAPHTHACRIDINE see:CU29750 BENZ(c)ACRIDINE

QJ03500. 2-NAPHTHALENAMINE see:QM21000 2-NAPHTHYLAMINE

QJ05250. NAPHTHALENE
CAS: 000091203 MW: 128.18 MOLFM: C10-H8
WLN: L66J
SYN: MOTH BALLS * MOTH FLAKES * NAFTALEN (Polish) * NAPHTHALIN * NAPHTHALINE * NAPHTHENE * TAR CAMPHOR * WHITE TAR *
TXDS: orl-chd LDLo:100 mg/kg 28ZRAQ -,228,60
orl-rat LD50:1780 mg/kg BIOFX* 16-4/70
scu-rat TDLo:3500 mg/kg/98DI TFX:NEO APAVAY 329,141,56
ipr-mus LDLo:150 mg/kg NTIS** AD691-490
U.S. OCCUPATIONAL STANDARD OSOS-air:TWA 10 ppm FEREAC 37,22139,72

QJ16000. 1-NAPHTHALENEAZOBENZENE, 2-(4-DIMETHYLAMINO)-
MW: 261.37 MOLFM: N2-C18-H17
TXDS: orl-rat TDLo:8630 mg/kg/230DC TFX:CAR JNCIAM 14,571,53
skn-mus TSLo:4800 mg/kg TFX:NEO JNCIAM 13,1259,53

QJ24500. NAPHTHALENE, 1-CHLORO-2,4-DINITRO-
CAS: 002401856 MW: 252.61 MOLFM: N2-O4-Cl-C10-H5
WLN: L66J BG CNW ENW
SYN: 1-CHLORO-2,4-DINITRONAPHTHALENE * 2,4-DINITRO-1-CHLORO-NAPHTHALENE *
TXDS: orl-rat TDLo:27 gm/kg/30DI TFX:CAR CNREA8 28,924,68
unk-mam LD50:250 mg/kg 30ZDA9 -,81,71

QJ36750. NAPHTHALENE, 1,2-DICHLORO-3-NITRO-
CAS: 006240557 MW: 242.06 MOLFM: N-O2-Cl2-C10-H5
WLN: L66J BG CG DNW
SYN: 1,2-DICHLORO-3-NITRONAPHTHALENE *
TXDS: orl-rat TDLo:13 gm/kg/52WI TFX:NEO JNCIAM 41,985,68

QJ56000. 1,4-NAPETHALENEDIONE see:QL71750 1,4-NAPHTHOQUINONE

QJ64000. 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-
BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT
CAS: 002602462 MW: 936.82 MOLFM: N6-O14-S4-C32-H24 .4Na
WLN: L66J BQ DSWO HSWO JZ CNUWR D- 2 &-NA- 4
SYN: AIREDALE BLUE 2BD * AIZEN DIRECT BLUE 2BH * AMANIL BLUE 2BX * ATLANTIC BLUE 2B * ATUL DIRECT BLUE 2B * AZOCARD BLUE 2B * AZOMINE BLUE 2B * BELAMINE BLUE 2B * BENCIDAL BLUE 2B * BENZANIL BLUE 2B * BENZO BLUE BBA-CF * BENZO BLUE BBN-CF * BENZO BLUE GS * BLUE 2B * BLUE 2B SALT * BRASILAMINA BLUE 2B * CALCOMINE BLUE 2B * CHLORAMINE BLUE 2B * CHLORAZOL BLUE B * CHLORAZOL BLUE BP * CHROME LEATHER BLUE 2B * C.I. 22610 * C.I. DIRECT BLUE 6, TETRASODIUM SALT * CRESOTINE BLUE 2B * DIACOTTON BLUE BB * DIAMINE BLUE 2B * DIAMINE BLUE BB * DIAPHTAMINE BLUE BB * DIAZINE BLUE 2B * DIAZOL BLUE 2B * DIPHENYL BLUE 2B * DIPHENYL BLUE KF * DIPHENYL BLUE M2B * DIRECT BLUE A * DIRECT BLUE 2B * DIRECT BLUE BB * DIRECT BLUE GS * DIRECT BLUE K * ENIANIL BLUE 2BW * FENAMIN BLUE 2B * TIXANOL BLUE 2B * HISPAMIN BLUE 2B * INDIGO BLUE 2B * KAYAKU DIRECT * MITSUI DIRECT BLUE 2BW * NAPHTAMINE BLUE 2B * NIAGARA BLUE 2B * NIPPON BLUE BB * PARAMINE BLUE 2B * PHENAMINE BLUE BB * PHENO BLUE 2B * PONTAMINE BLUE BB * SODIUM DIPHENYL-4,4'-BIS-AZO-2"-8"-AMINO-1"-NAPHTHOL-3",6"-DISULPHONATE * TERTRODIRECT BLUE 2B * VONDACEL BLUE 2B *
TXDS: scu-rat TDLo:750 mg/kg/27WI TFX:CAR BJEPA5 38,291,57
par-rat TDLo:150 mg/kg/(9D preg) TFX:TER ADTER* 1,131,66

QJ64750. 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)-BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

CAS: 000072571 MW: 964.88 MOLFM: N6-O14-S4-C34-H28 .4Na

WLN: L66J BQ DSWQ BSWQ JZ CNUNR B D- 2 &-NA- 4

SYN: AMANIL SKY BLUE R * BENCIDAL BLUE 3B * BENZAMINE BLUE * BENZANIL BLUE 3BN * BENZO BLUE * BENZO BLUE 3BS * BLUE 3B * BLUE EHB * BRASILAMINA BLUE 3B * CHLORAMINE BLUE 3B * CHROME LEATHER BLUE 3B * C.I. 23850 * C.I. DIRECT BLUE 14 * C.I. DIRECT BLUE 14, TETRASODIUM SALT * CONGO BLUE * CRESOTINE BLUE 3B * DIAMINEBLUE * DIAMINE BLUE 3B * DIANIL BLUE * DIAPHTAMINE BLUE TH * DIAZINE BLUE 3B * DIAZOL BLUE 3B * DIPHENYL BLUE 3B * DIRECT BLUE 3B * DIRECT BLUE N3B * HISPAMIN BLUE 3BX * NAPHTHYLAMINE BLUE * NIAGARA BLUE * NIAGARA BLUE 3B * PARAMINE BLUE 3B * PONTAMINE BLUE 3BX * SODIUM DITOLYLDISAZOBIS-8-AMINO-1-NAPHTHOL-3,6-DISULFONATE * TRYPAN BLUE * TRYPAN BLUE BPC * TRYPANE BLUE * TRYPANBLAU (German) *

TXDS: orl-rat TDLo:440 mg/kg/21DI TPX:CAR FZPAAZ 69,357,58
scu-rat TDLo:1088 mg/kg/87WI TPX:CAR LAINAW 12,1221,63
scu-rat LDLo:300 mg/kg PSEBAA 31,825,34
ivn-rat LDLo:300 mg/kg PSEBAA 31,825,34
ipr-rat LDLo:300 mg/kg PSEBAA 31,825,34
ipr-mus LDLo:350 mg/kg PSEBAA 31,825,34
scu-mus LD50:267 mg/kg APEPA2 267,31,70
scu-mus TDLo:25 mg/kg(8D preg) TPX:TER APEPA2 267,31,70
ivn-mus LDLo:100 mg/kg PSEBAA 31,825,34
ipr-rbt LDLo:400 mg/kg PSEBAA 31,825,34
ivn-rbt LDLo:100 mg/kg PSEBAA 31,825,34
ipr-gpg LDLo:250 mg/kg PSEBAA 31,825,34
scu-gpg LDLo:300 mg/kg PSEBAA 31,825,34

QJ65500. 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

CAS: 000915673 MW: 604.48 MOLFM: N2-O10-S3-C20-H11 .3Na

WLN: L66J BSWQ ENUN- BL66J CQ DSWQ HSWQ &-NA- 3

SYN: ACID AMARANTH * ACID AMARANTH I * ACID AMARANTH N * ACID LEATHER RED 12BW * ACID LEATHER RUBINE S * AIZEN AMARANTH * AMACID AMARANTH * AMARANTH * AMARANTH A * AMARANTH B * AMARANTH BPC * AMARANTH EXTRA * AMARANTH LAKE * AMARANTH S * AMARANTH S SPECIALLY PURE * AMARANTH USP * AMARANTH WD * AZO RED R * AZO RUBINE S * AZO RUBINE SF * AZO RUBINE S.FQ * AZO RUBY S * BORDEAUX S EXTRA CONC. A.EXPORT * BORDEAUX S EXTRA PURE A * CANACERT AMARANTH * CERTICOL AMARANTH S * C.I. 16185 * C.I. ACID RED 27 * C.I. ACID RED 27, TRISODIUM SALT * C.I. FOOD RED 9 * CILEFA RUBINE 2B * DAISHIKI AMARANTH * DOLKWAL AMARANTH * DYE FDC RED 2 * EDICOL SUPRA AMARANTH A * EUROCERT AMARANTH * FD AND C RED NO. 2 * FD AND C RED NO. 2-ALUMINIUM LAKE * FOOD RED 2 * FRUIT RED A GEIGY * HD AMARANTH B * HD AMARANTH SUPRA * HEXACERT RED NO. 2 * HEXACOL AMARANTH B EXTRA * HIDACID AMARANTH * HISPACID RED AM * 2-HYDROXY-1,1'-AZONAPHTHALENE-3,6,4'-TRISULFONIC ACID TRISODIUM SALT * JAVA AMARANTH * KAYAKU AMARANTH * KAYAKU FOOD COLOUR RED NO. 2 * KCA FOODCOL AMARANTH A * KITON RUBINE S * LISSAMINE AMARANTH AC * MAPLE AMARANTH * NAPHTHOL RED B * NAPHTHOL RED LZS * NAPHTHOL RED S * NAPHTHOL RED S CONC. SPECIALLY PURE * NAPHTHOL RED SI * NAPHTHOL RED S SPECIALLY PURE * NEKLACID RED A * NAKUTO AMARANTH * RASPBERRY RED for JELLIES * 1302 RED * 1508 RED * SAN-EI AMARANTH * SHIKISO AMARANTH * SOLAR RED O * 1-(4-SULFO-1-NAPHTHYLAZO)-2-NAPHTHOL-3,6-DISULFONIC ACID TRISODIUM SALT * TAKAOKA AMARANTH * TERTRACID RED A * TOYO AMARANTH * TRISODIUM SALT of 1-(4-SULFO-1-NAPHTHYLAZO)-2-NAPHTHOL-3,6-DISULFONIC ACID * USACERT RED NO. 2 * VICTORIA RUBINE O * VICTORIA RUBINE O for FOOD * WHORTLEBERRY RED * WOOL BORDEAUX 6RK * WOOL RED 40F *

TXDS: orl-rat LDLo:1500 ug/kg/(preg) TPX:TER VPITAR 29,66,70
orl-rat TDLo:1080 gm/kg/540DC TPX:CAR GASTAB 23,1,53
ipr-rat LD50:1000 mg/kg DFSGA8 6,-,57
ivn-rat LD50:1000 mg/kg DFSGA8 6,-,57

QJ66500. 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((2,4,5-TRIMETHYLPHENYL)AZO)-, DISODIUM SALT

CAS: 003564098 MW: 494.47 MOLFM: N2-O7-S2-C19-H16 .2Na

WLN: L66J BNUNR B D E& CQ DSWQ HSWQ E-NA- 2

SYN: C.I. 16155 * C.I. FOOD RED 6 * C.I. FOOD RED 6, DISODIUM SALT * DOLKWAL PONCEAU 3R * EXT. D and C RED No. 15 * FD and C RED No. 1 * MAPLE PONCEAU 3R * PONCEAU 3R * PONCEAU 3RN * PONCEAU 3R LAKE * SODIUM CUMENEAZO-beta-NAPHTHOL DISULFONATE * USACERT RED No. 1 *

TXDS: orl-rat TDLo:730 gm/kg/2YC TPX:CAR TXAPA9 5,105,63

QJ68250. 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

CAS: 003761533 MW: 482.46 MOLFM: N2-O7-S2-C18-H16 .2Na

WLN: L66J BNUNR B D& CQ DSWO HSWO &-NA- 2

SYN: ACIDAL PONCEAU G * ACID LEATHER RED P2R * ACID LEATHER RED KPR * ACID LEATHER SCARLET IRW * ACID PONCEAU R * ACID PONCEAU 2RL * ACID PONCEAU SPECIAL * ACID RED 26 * ACID SCARLET 2B * ACID SCARLET 2R * ACID SCARLET 2BL * ACID SCARLET 2R FOR LAKES * ACID SCARLET 2R FOR LAKES BLUISH * AECOCID FAST SCARLET R * AIZEN PONCEAU RH * AMACID

LAKE SCARLET 2R * CALCOCID SCARLET 2R * CALCOLAKE SCARLET 2R * CERTICOL PONCEAU MXS * COLACID PONCEAU SPECIAL * C.I. 16150 * C.I. ACID RED 26 * C.I. ACID RED 26, DISODIUM SALT * C.I. FOOD RED 5 * D&C RED NO.5 * DISODIUM (2,4-DIMETHYLPHENYLAZO)-2-HYDROXYNAPHTHALENE-3,6-DISULFONATE * EDICOL PONCEAU RS * EDICOL SUPRA PONDEAU R * FENAZO SCARLET 2R * HEXACOL PONCEAU 2R * HEXACOL PONCEAU MX * HIDACID SCARLET 2R * KITON PONCEAU R * KITON PONCEAU 2R * KITON SCARLET 2RC * LAKE SCARLET R * LAKE SCARLET 2RBN * NAPHTHALENE LAKE SCARLET R * NAPHTHALENE SCARLET R * NAPHTHAZINE SCARLET 2R * NEKLACID RED RR * NEW PONCEAU 4R * PAPER RED HRR * PIGMENT PONCEAU R * PONCEAU BNA * PONCEAU G * PONCEAU MX * PONCEAU PXM * PONCEAU R * PONCEAU 2R * PONCEAU RED * PONCEAU RED R * PONCEAU 2R EXTRA A EXPORT * PONCEAU 2RL * PONCEAU RS * PONCEAU RR * PONCEAU RR TYPE 8019 * PONCEAU 2RX * PONCEAU XYLIDINE * 1695 RED * SCARLET R * SCARLET 2R * SCARLET 2RB * SCARLET 2RL BLUISH * SCARLET BRA * TERTRACID PONCEAU 2R * XYLIDINE PONCEAU * XYLIDINE RED * 1-XYLYLAZO-2-NAPHTHOL-3,6-DISULFONIC ACID, DISODIUM SALT * 1-(2,4-XYLYLAZO)-2-NAPHTHOL-3,6-DISULPHONIC ACID, DISODIUM SALT *

TXDS: orl-rat TDLo:35 gm/kg/52WC TFX:NEO BJCAAI 10,653,56
ipr-mus LD50:2000 mg/kg FCTXAV 4,375,66

QJ70000. NAPETHALENEETHYLAMINE, beta-CHLORO-N-ISOPROPYL-, HYDROCHLORIDE
CAS: 020794961 MW: 284.25 MOLFM: N-Cl-C15-H18 .Cl-H
WLN: L66J CYG1NY &GH
SYN: beta-CHLORO-N-ISOPROPYL-2-NAPHTHALENEETHYLAMINE HYDROCHLORIDE *
TXDS: orl-mus TDLo:29 gm/kg/11WC TFX:NEO NATUAS 207,594,65

QJ71750. NAPETHALENE GREEN G see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

QJ78750. NAPHTHALENE INK SCARLET 4R see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QJ82250. NAPETHALENE LAKE GREEN G see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

QJ84000. NAPETHALENE LAKE SCARLET R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

QJ85750. NAPETHALENE LEATHER GREEN G see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

QJ91000. 2-NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-
CAS: 000054808 MW: 229.35 MOLFM: N-O-C15-H19
WLN: L66J CYQ1NY
SYN: ALDERLIN * COMPOUND 38,174 * INETOL * 2-ISOPROPYLAMINO-1-(NAPHTH-2-YL)ETHANOL * 2-ISOPROPYLAMINO-1-(2-NAPHTHYL)ETHANOL * (2-NAPHTHYL)-1-ISOPROPYLAMINOETHANOL * NAPHTHYLISOPROTERENOL * NEATHALIDE * NETH * NETHALIDE * PRONETALOL * PRONETHALOL *
TXDS: orl-rat LD50:900 mg/kg LANCAO 2,311,62
ivn-rat LD50:50 mg/kg LANCAO 2,311,62
orl-mus LD50:512 mg/kg BJPCAL 25,577,65
ipr-mus LD50:124 mg/kg JPETAB 149,161,65
ivn-mus LD50:45 mg/kg BJPCAL 25,577,65
unk-mus TDLo:200 mg/kg TFX:CAR BMJOAE 2,1266,63
orl-cat LDLo:300 mg/kg LANCAO 2,311,62

QJ92750. NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-, HYDROCHLORIDE
CAS: 001722516 MW: 265.81 MOLFM: N-O-Cl-C15-H20
WLN: L66J CYQ1NY &GH
SYN: ALDERLIN HYDROCHLORIDE * I.C.I. HYDROCHLORIDE * PRONETHALOL HYDROCHLORIDE *
TXDS: orl-mus LD50: 512 mg/kg BJPCAL 25,577,65
orl-mus TDLo:17 gm/kg/25WC TFX:NEO NATUAS 207,594,65
ipr-mus LD50:145 mg/kg AIPTAK 195,57,72
ivn-mus LD50:45 mg/kg BJPCAL 25,577,65

QJ98000. NAPHTHALENE, 1-NITROSO-
MW: 157.18 MOLFM: N-O-C10-H7
WLN: L66J BNO
SYN: 1-NITROSONAPHTHALENE *
TXDS: ipr-rat TDLo:1200 mg/kg/12W TFX:NEO CNREA8 31,1461,71

QK01750. NAPETHALENE, 2-NITROSO-
CAS: 006610088 MW: 157.18 MOLFM: N-O-C10-H7
WLN: L66J CNO
SYN: 2-NITROSONAPHTHALENE *
TXDS: scu-mus TDLo:250 mg/kg TFX:NEO CNREA8 31,1461,71

QK02600. NAPHTHALENE ORANGE I see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

QK03500. NAPHTHALENE SCARLET R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

QK05250. NAPHTHALENE SCARLET 4R see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QK07000. NAPHTHALENE SCARLET 4RS see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QK21000. 1-NAPHTHALENESULFONIC ACID, 5-HYDROXY-6-((m-((2-HYDROXYETHYL)SULFONYL)PHENYL)AZO)-, HYDROGEN SULFATE (ester), DISODIUM SALT
CAS: 018976733 MW: 559.54 MOLFM: N2-O10-S3-C18-H16 .2Na
WLN: L66J BQ CNUNR CSW2OSWO& GSWO &-NA- 2
SYN: REMAZOL RED B *
TXDS: scu-rat TDLo:27 gm/kg/100WI TFX:NEO VOONAW 13,53,67
scu-mus TDLo:250 gm/kg/62WI TFX:NEO VOONAW 13,53,67

QK22750. 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TETRASODIUM SALT
CAS: 002611827 MW: 607.51 MOLFM: N2-O10-S3-C20-H14 .3Na
WLN: L66J CO HSWO JSWO BNUN- BL66J ESWO &-NA- 4
SYN: ACIDAL BRIGHT PONCEAU 3R * ACID BRILLIANT SCARLET 3R * ACID PONCEAU 4R * ACID RED 18 * ACID SCARLET 3R * ACID SCARLET 4R * ACID SCARLET 3RZ * ACILAN SCARLET V3R * AIZEN BRILLIANT SCARLET 3RH * ATUL ACID SCARLET 3R * ATUL SCARLET F * BRILLIANT PONCEAU 3R * BRILLIANT PONCEAU 4R * BRILLIANT PONCEAU 5R * BRILLIANT PONCEAU 4RC * BRILLIANT PONCEAU 4RC SPECIALLY PURE * BRILLIANT PONCEAU 3RF * BRILLIANT SCARLET * BRILLIANT SCARLET 3R * BRILLIANT SCARLET 4R * BUCACID BRILLIANT SCARLET 3R * CALCOCID BRILLIANT SCARLET 3RN * CERTICOL PONCEAU 4RS * CILEFA PONCEAU 4R * COCCINE * COCCIN RED * COCHINEAL RED A * COCHINEAL RED A SPECIALLY PURE * COCHINEAL RED 4R * COLACID PONCEAU 4R * C.I. 16255 * C.I. ACID RED 18 * C.I. ACID RED 18, TRISODIUM SALT * C.I. FOOD RED 7 * CUROL BRIGHT RED 4R * DAISHIKI BRILLIANT SCARLET 3R * EDICOL SUPRA PONCEAU 4R * EUROCERT COCHINEAL RED A * FENAZO SCARLET 3R * FOOD RED 6 * FOOD RED 7 * HD PONCEAU 4R * HD PONCEAU 4R SUPRA * HEXACOL PONCEAU 4R * HIDACID FAST SCARLET 3R * HISPACID BRILLIANT SCARLET 3RF * JAVA SCARLET 3R * KAYAKU ACID BRILLIANT SCARLET 3R * KAYAKU FOOD COLOUR RED NO. 102 * KITOW SCARLET 4R * KOCHINEAL RED A FOR FOOD * NAPHTHALENE INK SCARLET 4R * NAPHTHALENE SCARLET 4R * NAPHTHALENE SCARLET 4RS * NEKLACID RED 3R * NAKLACID RED 4R * NEW COCCIN * NEW COCCINE * NEW COCCINE EXTRA CONC. A EXPORT * NEW COCCINE EXTRA PURE A * PONCEAU 3R * PONCEAU 4R * PONCEAU 4R ALUMINUM LAKE * PONCEAU 4RE * PONCEAU 4RE.FQ * PONCEAU 4RF * PONCEAU 4RT * PONTACYL SCARLET RR * PURPLE RED * RAKUTO BRILLIANT SCARLET 3R * 1578 RED * SAN-EI BRILLIANT SCARLET 3R * SCARLET 4R * SCARLET 4RA * STRAWBERRY RED A GEIGY * SUGAI BRILLIANT SCARLET 3R * 1-(4-SULPHO-1-NAPHTHYLAZO)-2-NAPHTHOL-6,8-DISULPHONIC ACID, TRISODIUM SALT * SYMULON ACID BRILLIANT SCARLET 3R * TAKAOKA BRILLIANT SCARLET 3R * VICTORIA SCARLET 3R * VICTORIA SCARLET RED *
TXDS: orl-rat TDLo:2600 gm/kg/216DC TFX:CAR DFSGA8 6,-,57
ipr-rat LD50:600 mg/kg PCTXAV 5,187,67
ivn-rat LD50:100 mg/kg DFSGA8 6,-,57
ipr-mus LD50:1600 mg/kg PCTXAV 5,187,67

QK24500. 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT
CAS: 002783940 MW: 454.70 MOLFM: N2-O7-S2-C16-H12 .2Na
WLN: L66J BNUNR DSWQ& CQ HSWQ &-NA- 2
SYN: ACID YELLOW TRA * A.F. YELLOW NO.5 * ALABASTER NO. 3 * ATUL SUNSET YELLOW FCF * CANACERT SUNSET YELLOW FCF * CERTICOL SUNSET YELLOW CFS * C.I. 15985 * C.I. FOOD YELLOW 3 * C.I. FOOD YELLOW 3, DISODIUM SALT * CILEFA ORANGE S * DOLKWAL SUNSET YELLOW * DYE FDC YELLOW LAKE 6 * DYE FDC YELLOW NO. 6 * DYE SUNSET YELLOW * EDICOL SUPRA YELLOW FC * ENIACID SUNSET YELLOW * EUROCERT ORANGE FCF * FD AND C NO. 6 * FD AND C YELLOW 6 * FD AND C YELLOW LAKE NO. 6 * FD AND C YELLOW NO. 6 * FOOD YELLOW 3 * FOOD YELLOW 6 * HD SUNSET YELLOW FCF * ED SUNSET YELLOW FCF SUPRA * HEXACOL SUNSET YELLOW FCF * HEXACOL SUNSET YELLOW FCF SUPRA * KCA FOODCOL SUNSET YELLOW FCF * JAUNE ORANGE S * JAUNE SOLEIL * L-ORANGE 2 * MAPLE SUNSET YELLOW FCF * ORANGE PAL * ORANGE II R * ORANGE RGL CONC. SPECIALLY PURE * ORANGE YELLOW S * ORANGE YELLOW S.FQ * PARA ORANGE * 1-p-SULFOPHENYLAZO-2-NAPHTHOL-6-SULFONIC ACID, DISODIUM SALT * SUN ORANGE A GEIGY * SUNSET YELLOW * SUNSET YELLOW FCF * SUN YELLOW * SUN YELLOW EXTRA CONC. A EXPORT * SUN YELLOW EXTRA PURE A * SUN YELLOW FCF * USACERT YELLOW NO. 6 * 1351 YELLOW * 1899 YELLOW * YELLOW ORANGE S * YELLOW SUN * YELLOW SY FOR FOOD *
TXDS: ipr-rat LD50:3800 mg/kg PCTXAV 5,747,67
scu-rat TDLo:2750 mg/kg/28WI TFX:NEO DFSGA8 6,-,57
ipr-mus LD50:4600 mg/kg PCTXAV 5,747,67

QK26650. 4-NAPHTHALENESULFONIC ACID, 1-HYDROXY-2-(p-(o'-TOLYLAZO)-o-TOLYLAZO)-, SODIUM SALT
MW: 586.58 MOLFM: N4-O7-S2-C24-H20 .2Na
WLN: L66J BNUNR B DNUNR B&& CQ DSWO HSWO &-NA
SYN: C.I. 26665 * C.I. ACID RED 148 * C.I. ACID RED 148, MONOSODIUM SALT * CLOTH RED B * ENIACID CLOTH RED BC *
TXDS: scu-mus TDLo:80 mg/kg/4WI TFX:CAR CNREA8 10,243,50

QK27050. 1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT
CAS: 004548532
WLN: L66J BQ CNUNR B D ESWO& ESWO &-NA- 2
SYN: CERTICOL PONCEAU SXS * C.I. 14700 * C.I. FOOD RED 1 * C.I. FOOD RED 1, DISODIUM SALT * DYE FD AND C RED NO. 4 * EDICOL SUPRA PONCEAU SX * FD AND C RED NO. 4 * FOOD RED 4 * HEXACOL PONCEAU SX * PONCEAU SX * 1306 RED * 12101 RED * 2-(6-SULFO-2,4-XYLYLAZO)-1-NAPHTHOL-4-SULFONIC ACID, DISODIUM SALT * USACERT RED NO. 4 *
TXDS: orl-rat TDLo:1090 gm/kg/78WC TFX:CAR GASTAB 23,1,53

QK54250. NAPHTHALIDAM see:QM14000 1-NAPHTHYLAMINE

QK56000. NAPHTHALIDINE see:QM14000 1-NAPHTHYLAMINE

QK61250. NAPHTHALIN see:QJ05250 NAPHALENE

QK63000. NAPHTHALINE see:QJ05250 NAPHALENE

QK71750. NAPHTHANIL BLUE B BASE see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

QK75250. NAPHTHANTHRACENE see:CV92750 BENZ(a)ANTHRACENE

QK79100. NAPHTHAZINE GREEN S see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

QK80500. NAPHTHAZINE SCARLET 2R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

QK82250. NAPHTHENE see:QJ05250 NAPHALENE

QL01750. NAPHTHO(1,2,3,4-def)CHRYSENE
CAS: 000192654 MW: 302.38 MOLFM: C24-H14
WLN: L D66 L666 B6 2AB A&J
SYN: DB(a,e)P * DIBENZO(a,e)PYRENE * 1,2,4,5-DIBENZOPYRENE *
TXDS: skn-mus TDLo:312 mg/kg/52W TFX:CAR ZEKBAI 68,137,66
scu-mus TDLo:72 mg/kg/13WI TFX:NEO COREAF 259,3899,64

QL03500. NAPHTHO(1,2,3,4-def)CHRYSENE, 5-METHYL-
CAS: 002869092 MW: 342.45 MOLFM: C27-H18
SYN: 2'-METHYL-1,2:4,5-DIBENZOPYRENE * 5-METHYLNAPHTHO(1,2,3,4-def)CHRYSENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO COREAF 259,3899,64

QL05250. NAPHTHO(1,2,3,4-def)CHRYSENE, 6-METHYL-
CAS: 002969105 MW: 342.45 MOLFM: C27-H18
SYN: 3'-METHYL-1,2:4,5-DIBENZOPYRENE * 6-METHYLNAPHTHO(1,2,3,4-def)CHRYSENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO COREAF 259,3899,64

QL36750. 2-NAPHTHOL, 1-((2,5-DIMETHOXYPHENYL)AZO)-
CAS: 006358538
WLN: L66J BNUNR BO1 EO1&-CQ
SYN: C.I. 12156 * C.I. SOLVENT RED 80 * CITRUS RED 2 * CITRUS RED NO. 2 * 1-((2,5-DIMETHOXYPHENYL)AZO)-2-NAPHTHOL * 2,5-DIMETHOXY-1-(PHENYLAZO)-2-NAPHTHOL *
TXDS: orl-mus TDLo:365 gm/kg/2YC TFX:CAR PUOMA5 43,31,65
ipl-mus TDLo:80 mg/kg TFX:NEO BJCAAI 22,825,68

QL42000. 1-NAPHTHOL, O-METHYL-2-AMINO-, HYDROCHLORIDE
MW: 209.69 MOLFM: N-O-C11-H11 .Cl-H
SYN: O-METHYL-2-AMINO-1-NAPHTHOL HYDROCHLORIDE *
TXDS: scu-mus TDLo:12500 mg/kg/52W TFX:NEO BJCAAI 10,653,56

QL43750. 1-NAPHTHOL N-METEYLCARBAMATE see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

QL45500. 1-NAPHTHOL, 2-NITROSO-
CAS: 000132536 MW: 173.18 MOLFM: N-O2-C10-H7
WLN: L66J BQ CNO
SYN: 1,2-NAPHTHOQUINONE-2-OXIME * 2-NITROSO-1-NAPHTHOL *
TXDS: orl-rat TDLo:11 gm/kg/YI TFX:CAR JNCIAM 41,985,68

QL48000. NAPHTHOL ORANGE see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

QL48500. alpha-NAPHTHOL ORANGE see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

QL49000. 2-NAPHTHOL, 1-(PHENYLAZO)-
CAS: 000842079 MW: 248.30 MOLFM: N2-O-C16-H12
WLN: L66J BNUNR& CQ
SYN: BENZENE-1-AZO-2-NAPHTHOL * 1-BENZOAZO-2-NAPHTHOL * BRASILAZINA OIL ORANGE * CALCOGAS ORANGE NC * CERES ORANGE R * C.I. 12055 * C.I. SOLVENT YELLOW 14 * DISPERSOL YELLOW PP * ENIAL ORANGE I * FAST OIL ORANGE I * FAST ORANGE * FAT ORANGE 4A * FAT ORANGE G * FAT ORANGE I * FAT ORANGE R * FAT ORANGE RS * GRASAL ORANGE * GRASAN ORANGE R * HIDACO OIL ORANGE * LACQUER ORANGE VG * OIL ORANGE * OIL ORANGE 31 * OIL ORANGE 2311 * OIL ORANGE 2B * OIL ORANGE PEL * OIL ORANGE R * OIL ORANGE 7078-V * OIL ORANGE Z-7078 * OLEAL ORANGE R * ORANGE 3RA SOLUBLE in GREASE * ORANGE R FAT SOLUBLE * ORGANOL ORANGE * ORIENT OIL ORANGE PS * PETROL ORANGE Y * 1-PHENYLAZO-2-NAPHTHOL * PLASTORESIN ORANGE F4A * RESINOL ORANGE R * SILOTRAS ORANGE TR * SOLVENT YELLOW 14 * SOMALIA ORANGE I * STEARIX ORANGE * SUDAN I * SUDAN 1 * SUDAN ORANGE R * SUDAN ORANGE RA NEW * TERTROGRAS ORANGE SV * TOYO OIL ORANGE * WAXOLINE YELLOW I * WAXOLINE YELLOW IM * WAXOLINE YELLOW IP * WAXOLINE YELLOW IS *
TXDS: orl-mus TDLo:56 gm/kg/52WC TFX:NEO BJCAAI 19,297,65
imp-mus TDLo:80 mg/kg TFX:NEO BJCAAI 22,825,68

QL49200. NAPHTHOL RED E see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QL49300. NAPHTHOL RED LZS see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QL49400. NAPHTHOL RED S see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QL49500. NAPHTHOL RED S CONC. SPECIALLY PURE see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QL49600. NAPHTHOL RED S1 see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QL54250. 2-NAPHTHOL, 1-(o-TOLYLAZO)-
CAS: 002646175 MW: 262.33 MOLFM: N2-O-C17-H14
WLN: L66J BNUNR B& CQ
SYN: A.F. ORANGE NO. 2 * C.I. 12100 * C.I. SOLVENT ORANGE 2 * DOLKWAL ORANGE SS * EXT. D AND C ORANGE NO. 4 * FAT ORANGE II * FAT ORANGE RR * FD AND C ORANGE NO. 2 * HEXACOL OIL ORANGE SS * LACQUER ORANGE V * OIL ORANGE OPEL * OIL ORANGE O'PEL * OIL ORANGE SS * OIL ORANGE TX * OLEAL ORANGE SS * ORANGE OT* * ORANGE 3R SOLUBLE IN GREASE * ORANGE SS * ORGANOL ORANGE 2R * TOLUENE-2-AZONAPHTHOL-2 * o-TOLUENO-AZO-beta-NAPHTHOL * 1-o-TOLYLAZO-2-NAPHTHOL *
TXDS: orl-rat LDLo:5000 mg/kg JAMAAP 109,493,37
scu-mus TDLo:6 gm/kg/52W TFX:CAR BJCAAI 10,653,56
ivn-dog LDLo:200 mg/kg JAMAAP 109,493,37
orl-rbt LDLo:5000 mg/kg JAMAAP 109,493,37
ivn-rbt LDLo:60 mg/kg JAMAAP 109,493,37

QL56000. 2-NAPHTHOL, 5,6,7,8-TETRAHYDRO- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:9600 mg/kg/30WI TFX:CAR CNREA8 19,413,59

QL57000. 2-NAPHTHOL, 1-((4-TOLYLAZO)TOLYLAZO)-
MW: 380.48 MOLFM: N4-O-C24-H20
SYN: D&C RED No. 14 *
TXDS: orl-rat TDLo:13 gm/kg/39WC TFX:CAR ZEKBAI 57,530,51

QL57750. 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-
CAS: 000085836 MW: 380.48 MOLFM: N4-O-C24-H20
WLN: L66J BNUNR B DNUNR B&& CQ
SYN: BIEBRICH SCARLET BPC * BIEBRICH SCARLET RED * BRASILAZINA OIL RED B * CANDLE SCARLET B * CANDLE SCARLET 2B * CANDLE SCARLET G * CERES RED BB * C.I. 26105 * C.I. SOLVENT RED 24 * DISPERSOL RED PP * ENIAL RED IV * FAST OIL RED B * FAST RED BB * FAT PONCEAU R * FAT RED B * FAT RED 2B * FAT RED BB * FAT RED BS * FAT RED TS * GRASAL BRILLIANT RED B * GRASAN BRILLIANT RED B * HIDACO OIL RED * LACQUER RED V * LACQUER RED VS * OIL RED 3 * OIL RED 7 * OIL RED 47 * OIL RED 282 * OIL RED A * OIL RED APT * OIL RED 2B * OIL RED 3B * OIL RED BB * OIL RED BS * OIL RED D * OIL RED ED * OIL RED F * OIL RED GO * OIL RED RC * OIL RED RR * OIL RED S * OIL RED TAX * OIL RED ZD * OIL SCARLET * OIL SCARLET 48 * OLEAL RED BB * ORGANOL RED B * ORIENT OIL RED BR * PLASTORESIN RED F * RED 3R SOLUBLE IN GREASE * RESINOL RED 2B * SCARLET RED * SCARLET

RED, BIPBRICH * SILOTRAS RED T3B * SOMALIA RED IV * STEARIX RED 4B * STEARIX RED 4S * SUDAN IV * SUDAN P * SUDAN RED IV * SUDAN RED BB * SUDAN RED BBA * TERTROGRAS RED N * o-TOLYLAZO-o-TOLYLAZO-beta-NAPHTHOL * o-TOLYLAZO-o-TOLYLAZO-2-NAPHTHOL * 1-(4-o-TOLYLAZO-o-TOLYLAZO)-2-NAPHTHOL * TOYO OIL RED BB * WAXOLINE RED O * WAXOLINE RED OM * WAXOLINE RED OS *
TXDS: scu-rat TDLo:512 mg/kg/58WI TFX:CAR GANNA2 49,27,58

QL58500. 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-
CAS: 003118976 MW: 276.36 MOLFM: N2-O-C18-H16
WLN: L66J BNUNR B D& CQ
SYN: A.F. RED NO. 5 * BRASILAZINA OIL SCARLET 6G * CERES ORANGES RR * CERISOL SCARLET G * C.I. 12140 * EXT. D AND C. RED. NO. 14 * FAST OIL ORANGE II * FAT RED (YELLOWISH) * FAT SCARLET 2G * GRASAN ORANGE 3R * LACQUER ORANGE VR * OIL ORANGE KB * OIL ORANGE N EXTRA * OIL ORANGE R * OIL ORANGE 2R * OIL ORANGE X * OIL ORANGE XO * OIL SCARLET 371 * OIL SCARLET EL * OIL SCARLET 6G * OIL SCARLET YS * RESIN SCARLET 2R * SOMALIA ORANGE A2R * SOMALIA ORANGE 2R * SUDAN II * SUDAN ORANGE RRA * SUDAN RED *
TXDS: imp-mus TDLo:80 mg/kg TFX:NEO BJCAAI 22,825,68

QL59500. 2-NAPHTHOL, 1-(2,5-XYLYLAZO)-
CAS: 000085825 MW: 276.36 MOLFM: N2-O-C18-H16
SYN: FD AND C ACID RED 32 * FD AND C RED NO. 32 * OIL RED XO * 1-XYLYLAZO-2-NAPHTHOL * 1-(2,5-XYLYLAZO)-2-NAPHTHOL *
TXDS: orl-mus TDLo:29 gm/kg/52WC TFX:NEO BJCAAI 10,653,56
imp-mus TDLo:600 mg/kg TFX:CAR BJCAAI 22,825,68

QL66500. alpha-NAPHTHOQUINONE see:QL71750 1,4-NAPHTHOQUINONE

QL71750. 1,4-NAPHTHOQUINONE
CAS: 000130154 MW: 158.16 MOLFM: O2-C10-H6
WLN: L66 BV EVJ
SYN: 1,4-DIHYDRO-1,4-DIKETONAPHTHALENE * 1,4-NAPHTHALENEDIONE * alph alpha-NAPHTHOQUINONE *
TXDS: orl-rat LD50: 190 mg/kg VRMGA7 6,37,66
skn-mus TDLo:2000 mg/kg/28WC TFX:NEO PIATA8 16,309,40

QL73500. 1,4-NAPHTHOQUINONE, 2-AMINO-3-CHLORO-
CAS: 002797515 MW: 207.62 MOLFM: N-O2-Cl-C10-H6
WLN: L66 PV EVJ CZ DG
SYN: 2-AMINO-3-CHLORO-1,4-NAPHTHOQUINONE * 2-CHLORO-3-AMINO-1,4-NAPHTHOQUINONE * 06K * 06K-QUINONE * 06K-50W *
TXDS: orl-rat LD50:3690 mg/kg 28ZPAL 4,43,69
skn-mus TDLo:10 gm/kg/34WI TFX:NEO CNREA8 19,413,59

QL77000. 1,4-NAPHTHOQUINONE, 2,3-DICHLORO- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:3600 mg/kg/20WI TFX:NEO CNREA8 19,413,59

QL92750. 1,4-NAPHTHOQUINONE, 2-METHYL- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:8400 mg/kg/21WI TFX:NEO CNREA8 19,413,59

QM01750. NAPHTHO(1,2-e)THIANAPHTHENO(3,2-b)PYRIDINE see:DE57750 BENZO(f)(1)BENZOTHIENO(3,2-b)QUINOLINE

QM03500. NAPHTHO(2,1-e)THIANAPHTHENO(3,2-b)PYRIDINE see:DE59500 BENZO(h)(1)BENZOTHIENO(3,2-b)QUINOLINE

QM09500. 1-(2-NAPHTHOYL)-AZIRIDINE see:CM82250 AZIRIDINE, 1-(2-NAPHTHOYL)-

QM10000. beta-NAPHTHOYLETHYLENEIMINE see:CM82250 AZIRIDINE, 1-(2-NAPHTHOYL)-

QM12600. beta-NAPHTHYLAMIN (German) see:QM21000 2-NAPHTHYLAMINE

QM13000. 1-NAPHTHYLAMIN (German) see:QM14000 1-NAPHTHYLAMINE

QM13500. 2-NAPHTHYLAMIN (German) see:QM21000 2-NAPHTHYLAMINE

QM14000. 1-NAPHTHYLAMINE
CAS: 000134327 MW: 143.20 MOLFM: N-C10-H9
WLN: L66J BZ
SYN: ALFANAFTILAMINA (Italian) * ALFA-NAFTYLOAMINA (Polish) * 1-AMINONAFTALEN (Czech) * 1-AMINONAPHTHALENE * ANTIOXIDANT-MB * C.I. AZOIC DIAZO COMPONENT 114 * FAST GARNET B BASE * FAST GARNET BASE B * alpha-NAFTYLAMIN (Czech) * 1-NAFTYLAMINE (Dutch) * NAPHTHALIDAM * NAPHTHALIDINE * 1-NAPHTHYLAMIN (German) * alpha-NAPHTHYLAMINE *
TXDS: orl-rat LD50:779 mg/kg 28ZPAK -,67,72
scu-mus TDLo:25 mg/kg TFX:NEO CNREA8 31,1461,71
orl-man LDLo:4000 mg/kg JIDHAN 13,87,31
U.S. OCCUPATIONAL STANDARD OSOS-carcinogen FEREAC 39,3756,74

QM15750. N-2-NAPHTHYLACETOHYDROXAMIC ACID see:AL08750 ACETOHYDROXAMIC ACID, N-2-NAPHTHYL-

QM17500. alpha-NAPHTHYLAMINE see:QM14000 1-NAPHTHYLAMINE

QM19250. beta-NAPHTHYLAMINE see:QM21000 2-NAPHTHYLAMINE

QM21000. 2-NAPHTHYLAMINE
CAS: 000091598 MW: 143.20 MOLFM: N-C10-H9
WLN: L66J CZ
SYN: 2-AMINONAPTALEN (Czech) * 2-AMINONAPHTHALENE * BETA-NAFTYLOAMINA (Polish) * C.I. 37270 * FAST SCARLET BASE B * beta-NAFTILAMINA (Italian) * 2-NAFTYLAMINE (Dutch) * 2-NAPHTHALAMINE * 2-NAPHTHALENAMINE * beta-NAFTYLAMIN (Czech) * beta-NAPHTHYLAMIN (German) * 2-NAPHTHYLAMIN (German) * beta-NAPHTHYLAMINE * beta-NAPHTYLAMIN (German) * NA *

TXDS: orl-rat LD50:727 mg/kg	28ZPAK	-,67,72
orl-rat TDLo:31 gm/kg/YI TFX:CAR	JNCIAM	41,985,68
scu-rat TDLo:11 gm/kg/78WI TFX:CAR	VOONAW	15(2),71,69
ipr-mus LDLo: 200 mg/kg	CURL**	-,63,62
scu-mus TDLo:2120 mg/kg/52WI TFX:CAR	VOONAW	15(2),71,69
par-mus TDLo:18 mg/kg TFX:CAR	BECCAN	40,42,62
orl-dog TDLo:3900 mg/kg/2Y TFX:CAR	JNCIAM	49,193,72
orl-mky TDLo:14 gm/kg/240WI TFX:CAR	JNCIAM	42,825,69
orl-ham TDLo:260 gm/kg/43WC TFX:NEO	IMSUAI	35,564,66
U.S. OCCUPATIONAL STANDARD USOS-carcinogen	FERRAC	39,3756,74

QM24500. 2-NAPHTHYLAMINE, N,N-BIS(2-CHLOROETHYL)-
CAS: 000494031 MW: 268.20 MOLFM: N-C12-C14-H15
WLN: L66J CN2G2G
SYN: 2-BIS(2-CHLOROETHYL)AMINONAPHTHALENE * BIS(2-CHLOROETHYL)-beta-NAPHTHYLAMINE * CB 1048 * 2-NAPHTHYLAMINE MUSTARD * 2-NAPHTHYLBIS(2-CHLOROETHYL) AMINE * NSC-62209 *

TXDS: ipr-rat LD50:1086 mg/kg	BCPCA6	13,969,64
ipr-mus TDLo:330 mg/kg/4W TFX:CAR	JNCIAM	36,915,66

QM28000. NAPHTHYLAMINE BLUE see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

QM28500. 2-NAPHTHYLAMINE, N-ETHYL-1-((p-(PHENYLAZO)PHENYL)AZO)-
CAS: 006368725 MW: 379.50 MOLFM: N5-C24-H21
WLN: L66J BNUNR DNUNR&& CN2
SYN: CERES RED 7B * C.I. 26050 * C.I. SOLVENT RED 19 * FAT RED 7B * HEXATYPE CARMINE B * LACQUER RED V3B * OIL VIOLET * ORGANOL BORDEAUX B * SUDAN RED 7B * TYPOGEN CARMINE *

TXDS: orl-rat TDLo:17 gm/kg/50WC TFX:NEO	XPHPAW	149,403,69

QM29750. 2-NAPHTHYLAMINE-1-D-GLUCOSIDURONIC ACID see:LZ78750 1-D-GLUCOSIDURONIC ACID, (2'-AMINONAPHTHYL)-

QM40250. 2-NAPHTHYLAMINE, 3-METHYL-
CAS: 010546244 MW: 157.23 MOLFM: N-C11-H11
WLN: L66J CZ D
SYN: 3-METHYL-2-NAPHTHYLAMINE *

TXDS: scu-rat TDLo:1800 mg/kg/18WI TFX:CAR	CUSCAN	33,45,64
scu-mus TDLo:4100 mg/kg/17WI TFX:CAR	CUSCAN	33,45,64

QM42000. 2-NAPHTHYLAMINE, 3-METHYL-, HYDROCHLORIDE
CAS: 005096184 MW: 193.69 MOLFM: N-C11-H11 .Cl-H
WLN: L66J CZ D &GH
SYN: 3-METHYL-2-NAPHTHYLAMINE, HYDROCHLORIDE *

TXDS: orl-rat TDLo:1500 mg/kg	CNREA8	26,619,66
orl-rat TDLo:390 mg/kg/YI TFX:CAR	JNCIAM	41,985,68

QM43000. 2-NAPHTHYLAMINE, 4-(1-NAPHTHYLAZO)-
MW: 177.28 MOLFM: N3-C10-H15
SYN: 4-(1-NAPHTHYLAZO)-2-NAPHTHYLAMINE *

TXDS: orl-rat TDLo:23 gm/kg/64WC TFX:NEO	ZEKBAI	57,530,51

QM43750. 2-NAPHTHYLAMINE, 3-NITRO-
CAS: 013115281 MW: 188.20 MOLFM: N2-O2-C10-H8
WLN: L66J CZ DNW
SYN: 3-NITRO-2-NAPHTHYLAMINE *

TXDS: orl-rat TDLo:1040 mg/kg/YI TFX:CAR	JNCIAM	41,985,68

QM47250. 2-NAPHTHYLAMINE, 1-(PHENYLAZO)- see:SR43750 PHENYLAZO-2-NAPHTHYLAMINE

QM50000. 2-NAPHTHYLAMINE, 1-(o-TOLYLAZO)-
CAS: 000131793 MW: 261.35 MOLFM: N3-C17-H15
SYN: A.F. YELLOW NO. 3 * C.I. 11390 * CERISOL YELLOW TB * C.I. FOOD YELLOW 11 * C.I. SOLVENT YELLOW 6 * DOLKWAL YELLOW OB * EXT. D and C YELLOW NO. 10 * FD and C YELLOW NO. 4 * OIL YELLOW OB * OIL YELLOW OB PURE * o-TOLUENE-1-AZO-2-NAPHTHYLAMINE * 1-(o-TOLYLAZO)-

2-NAPHTHYLAMINE * YELLOW OB *
TXDS: scu-rat TDLo:700 mg/kg/2YI TFX:NEO FEPRA7 16,367,57

QM57000. 4-(1-NAPHTHYLAZO)-2-NAPHTHYLAMINE see:QM43000 2-NAPHTHYLAMINE, 4-(1-NAPHTHYLAZO)-

QM57300. 5-(beta-NAPHTHYLAZO)-2,4,6-TRIAMINOPYRIMIDINE see:UV94000 PYRIMIDINE, 5-(beta-NAPHTHYLAZO)-2,4,6-TRIAMINO-

QM57750. 2-NAPHTHYLBIS(2-CHLOROETHYL)AMINE see:QM24500 2-NAPHTHYLAMINE, N,N-BIS(2-CHLOROETHYL)-

QM77000. 2-NAPHTHYLHYDROXYLAMINE see:NC42000 HYDROXYLAMINE, N-2-NAPHTHYL-

QM78750. N-1-NAPHTHYLHYDROXYLAMINE see:NC40250 HYDROXYLAMINE, N-1-NAPHTHYL-

QM82250. (2-NAPHTHYL)-1-ISOPROPYLAMINOETHANOL see:QJ91000 2-NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-

QM84000. NAPHTHYLISOPROTERENOL see:QJ91000 2-NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-

QM89250. alpha-NAPHTHYL N-METHYLCARBAMATE see:PC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

QM90000. 1-NAPHTHYL METHYLCARBAMATE see:PC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

QM91000. 1-NAPHTHYL N-METHYLCARBAMATE see:PC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

QN24700. 5-beta-NAPHTHYL-2:4:6-TRIAMINOAZOPYRIMIDINE see:UV94000 PYRIMIDINE, 5-(beta-NAPHTHYLAZO)-2,4,6-TRIAMINO-

QN70000. NATASOL BLUE B SALT see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

QN77240. NATRIUMBICHROMAAT (Dutch) see:HX77000 DICHROMIC ACID, DISODIUM SALT

QN77480. NATRIUMDICHROMAAT (Dutch) see:HX77000 DICHROMIC ACID, DISODIUM SALT

QN77560. NATRIUMDICHROMAT (German) see:HX77000 DICHROMIC ACID, DISODIUM SALT

QN78700. NATULAN see:XS45500 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-

QN78750. NATULAN see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

QN80500. NATULAN HYDROCHLORIDE see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

QO14000. NEATEALIDE see:QJ91000 2-NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-

QO15750. NEAZINA see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

QO21000. NECATORINE see:PG49000 CARBON TETRACHLORIDE

QO25000. NEFCO see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

QO28000. NEFURTHIAZOLE see:LQ92750 FORMIC ACID, 2-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL) HYDRAZIDE

QO32000. NEKLACID ORANGE 1 see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

QO32500. NEKLACID RED A see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QO33250. NEKLACID RED 3R see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QO35000. NEKLACID RED 4R see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QO36750. NEKLACID RED RR see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

QO58500. NENESIN see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

QO70000. NEOCID see:KJ33250
ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

QO71750. NEOCOCCYL see:WO84000 SULFANILAMIDE

QP08750. NEO-ESTRONE see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

QP24500. NEO-FERRUM see:WO77000 IRON OXIDE, SACCHARATED

QP35000. NEOISCOTIN see:NS22750 ISONICOTINIC ACID, 2-(SULFOMETHYL)HYDRAZIDE, SODIUM SALT

QP50750. NEO-OESTRANOL 1 see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

QP69350. NEOS-HIDANTOINA see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

QP69500. NEOSIDANTOINA see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

QP78850. NEOSTREPSAN see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

QP85750. NEOTEBEN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QP89250. NEOTIZIDE see:NS22750 ISONICOTINIC ACID, 2-(SULFOMETHYL)HYDRAZIDE, SODIUM SALT

QP89500. NEO-TIZIDE SODIUM SALT see:NS22750 ISONICOTINIC ACID, 2-(SULFOMETHYL)HYDRAZIDE, SODIUM SALT

QP91400. NEOXIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QP91800. NEOXON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QP96250. NEPTUNE BLUE BRA see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

QP98000. NEPTUNE BLUE BRA CONCENTRATION see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

QQ01750. NERAN BRILLIANT GREEN G see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

QQ21000. NETH see:QJ91000 2-NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-

QQ22750. NETHALIDE see:QJ91000 2-NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-

QQ27330. NEU see:FB03500 CARBAMIC ACID, ETHYLNITROSO-, ETHYL ESTER

QQ31500. NEUMANDIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QQ43750. NEUROBARB see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

QQ56000. NEUTROSEL NAVY BN see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

QQ62100. NEVIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QQ63000. NEW COCCIN see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QQ64750. NEW COCCINE see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QQ66500. NEW COCCINE EXTRA CONC. A EXPORT see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QQ68250. NEW COCCINE EXTRA PURE A see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

QQ70000. NEW PONCEAU 4R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

QQ84800. NFS see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

QQ85750. NFTA see:AC66500 ACETAMIDE, N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)-

QQ88300. NHA see:NC42000 HYDROXYLAMINE, N-2-NAPHTHYL-

QQ89000. NHU see:FB17500 CARBAMIC ACID, HYDROXY-, ETHYL ESTER

QR05250. NIADRIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QR19250. NIAGARA BLUE see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

QR21000. NIAGARA BLUE 3B see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

QR21100. NIAGARA BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

QR22750. NIAGARAMITE see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

QR51900. NICAZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QR52500. NICETAL see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QR57000. NICHEL TETRACARBONILE (Italian) see:QR63000 NICKEL CARBONYL (Ni(CO)4)

QR57750. NICIZINA see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QR59500. NICKEL
CAS: 007440020 MW: 58.71 MOLFM: Ni
WLN: .NI
SYN: C.I. 77775 * CARBONYL NICKEL POWDER * NICKEL SPONGE * RANEY NICKEL *
TXDS: ihl-rat TCLo:15 mg/m3 TFX:CAR — ARPAAQ 65,600,58
scu-rat TDLo:15 mg/kg/6WI TFX:NEO — JNCIAM 16,55,55
ims-rat LDLo:25 mg/kg — NCIOS* PB-43-64-886
ims-rat TDLo:1000 mg/kg/17WI TFX:CAR — PAACA3 9,28,68
ipl-rat TDLo:278 mg/kg/22W TFX:CAR — TRBMAV 10,167,52
par-rat TDLo:40 mg/kg/56WI TFX:CAR — AEHLAU 5,445,62
itr-rat LDLo:12 mg/kg — NTIS** AEC-TR-6710,103,67
imp-rat TDLo:250 mg/kg TFX:CAR — JNCIAM 16,55,55
ivn-dog LDLo: 10 mg/kg — 14CYAT -,1120,-
imp-rbt TDLo:165 mg/kg/2YI TFX:NEO — JNCIAM 16,55,55
orl-gpg LDLo:5 mg/kg — ANHTA8 25,247,64
ihl-gpg TCLo:15 mg/m3 TFX:CAR — ARPAAQ 65,600,58
ihl-gpg TDLo:15 mg/m3/91WI TFX:CAR — ARPAAQ 65,600,58
ims-ham TDLo:208 mg/kg/22W TFX:CAR — PWPSA8 14,68,71
U.S. OCCUPATIONAL STANDARD OSOS-air:TWA 1 mg/m3 — FEREAC 37,22139,72

QR61250. NICKEL(II) ACETATE (1:1)
CAS: 000373024 MW: 176.81 MOLFM: O4-C4-H6 .Ni
WLN: OV1 &OV1 &-NI-
SYN: ACETIC ACID, NICKEL(2+) SALT * NICKELOUS ACETATE *
TXDS: orl-rat LD50:350 mg/kg — PWPSA8 2,39,68
ipr-rat LD50:23 mg/kg — PWPSA8 2,39,68
ims-rat LD50:35 mg/kg — NCIOS* PB-43-64-886
ims-rat TDLo:350 mg/kg/43WI TFX:CAR — PAACA3 9,28,68
orl-mus LD50:410 mg/kg — PWPSA8 2,39,68
ipr-mus LD50:32 mg/kg — PWPSA8 2,39,68
scu-gpg LDLo:20 mg/kg — JOHYAY 8,565,08
U.S. OCCUPATIONAL STANDARD OSOS-air:TWA 3 mg/m3 — FEREAC 37,22139,72

QR63000. NICKEL CARBONYL
CAS: 013463393 MW: 170.75 MOLFM: O4-Ni-C4
WLN: OC 4-NI-
SYN: NICHEL TETRACARBONILE (Italian) * NICKEL CARBONYLE (French) * NICKEL TETRACARBONYL * NICKEL TETRACARBONYLE (French) * NIKKELTETRACARBONYL (Dutch) *
TXDS: ihl-hmn LCLo:57 ppm/30M — BJIMAG 8,117,51
ihl-rat LC50:240 mg/m3/30M — AMIHBC 8,48,53
ipr-rat LD50:39 mg/kg — AEHLAU 14,604,67
scu-rat LD50:63 mg/kg — AEHLAU 14,604,67
ivn-rat LD50:66 mg/kg — AEHLAU 14,604,67
ivn-rat TDLo:157 mg/kg/18W TFX:CAR — CNREA8 32,2253,72
ihl-mus LC50:67 mg/m3/30M — AMIHBC 8,48,53
ihl-dog LCLo:360 ppm/90M — JOHYAY 7,525,07
ihl-cat LC50:1900 mg/m3/30M — AMIHBC 8,48,53
ihl-rbt LCLo:300 mg/m3/30M — BJIMAG 8,117,51
U.S. OCCUPATIONAL STANDARD OSOS-air:TWA 7 ug/m3 — FEREAC 37,22139,72

QR64000. NICKEL CARBONYLE (French) see:QR63000 NICKEL CARBONYL

QR65000. NICKEL, compd with pi-CYCLOPENTADIENYL (1:1)
CAS: 001271289 MW: 188.90 MOLFM: C10-H10 .Ni
WLN: L50J 0- 2-NI-
SYN: pi-CYCLOPENTADIENYL compound of NICKEL * DI-pi-CYCLOPENTADIENYLNICKEL * NICKELOCENE *
TXDS: orl-rat LD50:490 mg/kg — PWPSA8 2,39,68
ipr-rat LD50:50 mg/kg — NCIOS* PB-43-64-886
ims-rat LDLo:50 mg/kg — NCIOS* PB-43-64-886
ims-rat TDLo:500 mg/kg/43WI TFX:CAR — PAACA3 9,28,68
orl-mus LD50:600 mg/kg — PWPSA8 2,39,68
ipr-mus LD50:86 mg/kg — PWPSA8 2,39,68
ims-mus LD50:150 mg/kg — NCIOS* PB-43-64-886
ims-ham LDLo:207 mg/kg — NCIOS* PB-43-64-886
ims-ham TDLo:208 mg/kg TFX:CAR — PWPSAA 14,68,71

QR71750. NICKEL MONOXIDE see:QR84000 NICKEL (2+) OXIDE

QR75250. NICKELOCENE see:QR65000 NICKEL, compd with pi-CYCLOPENTADIENYL (1:1)

QR77000. NICKELOUS ACETATE see:QR61250 NICKEL(II) ACETATE (1:1)

QR80500. NICKELOUS OXIDE see:QR84000 NICKEL (2+) OXIDE

QR82250. NICKEL OXIDE see:QR84000 NICKEL (2+) OXIDE

QR84000. NICKEL(2+) OXIDE
CAS: 001313991 MW: 74.71 MOLFM: O-Ni
WLN: .NI..O
SYN: BUNSENITE * C.I. 77777 * GREEN NICKEL OXIDE * NICKEL MONOXIDE * NICKEL OXIDE * NICKELOUS OXIDE * NICKEL PROTOXIDE *
TXDS: ims-rat TDLo:100 mg/kg TFX:CAR CNREA8 22,158,62
itr-rat LDLo:20 mg/kg NTIS** AEC-TR-6710,103,67
ims-mus TDLo:200 mg/kg TFX:CAR CNREA8 22,158,62
imp-mus TDLo:200 mg/kg TFX:CAR CCPNAG 6,209,66
ivn-dog LDLo:7 mg/kg 28ZLA8 -,252,61
ivn-cat LDLo:10 mg/kg JOANAY 7,89,1883
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 1.3 mg/m3 FEREAC 37,22139,72

QR87500. NICKEL PROTOXIDE see:QR84000 NICKEL (2+) OXIDE

QR89250. NICKEL REFINERY DUST
TXDS: ims-rat TDLo:135 mg/kg TFX:CAR CNREA8 22,152,62
ims-mus LDLo:800 mg/kg CNREA8 22,152,62

QR91000. NICKEL SPONGE see:QR59500 NICKEL

QR98000. NICKEL SULFIDE
CAS: 012035722 MW: 240.25 MOLFM: S2-Ni3
WLN: .NI3.S2
SYN: BEAZLEWOODITE * NICKEL SULFIDE, SUB- * NICKEL SULPHIDE *
TXDS: scu-rat TDLo:125 mg/kg TFX:CAR BJCAAI 20,190,66
ims-rat TDLo:90 mg/kg TFX:CAR JPTLAS 97,375,69
imp-rat TDLo:50 mg/kg TFX:CAR AICCA6 17,615,63
ims-mus TDLo:200 mg/kg TFX:CAR CNREA8 22,158,62
imp-mus TDLo:200 mg/kg TFX:CAR CCPNAG 6,209,66
ipr-gpg LDLo:102 ug/kg JOHYAY 8,565,08

QS01750. NICKEL SULFIDE, SUB- see:QR98000 NICKEL SULFIDE

QS03500. NICKEL SULPHIDE see:QR98000 NICKEL SULFIDE

QS05250. NICKEL TETRACARBONYL see:QR63000 NICKEL CARBONYL (Ni(CO)4)

QS06100. NICKEL TETRACARBONYLE (French) see:QR63000 NICKEL CARBONYL (Ni(CO)4)

QS17500. NICONYL see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QS29750. NICOTIBINA see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QS30200. NICOTIBINE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QS94500. NICOTINE, 1'-NITROSO-1'-DEMETHYL-
MW: 177.23 MOLFM: N3-O-C9-H11
WLN: T6NJ C- BT5NTJ ANO
SYN: 1'-NITROSO-1'-DEMETHYLNICOTINE * NITROSONORNICOTINE *
TXDS: ipr-mus TDLo:3300 mg/kg/41WI TFX:NEO NATUAS 202,1126,64

QT43750. NICOULINE see:DJ28000 (1)BENZOPYRANO(3,4-b)FURO(2,3-h) (1)BENZOPYRAN-6(6a-alpha-H)-ONE, 1,2,12,12a-alpha-= TETRAHYDRO-2-alpha-ISOPROPENYL-8,9-DIMETHOXY-

QT45500. NICOZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QT49000. NIDATON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QT49800. NIDRAZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QT64750. NIFURTHIAZOLE see:LQ92750 FORMIC ACID, 2-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL) HYDRAZIDE

QT65500. NIFUZON see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

QT83700. NIKKELTETRACARBONYL (Dutch) see:QR63000 NICKEL CARBONYL (Ni(CO)4)

QT85750. NIKOZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QU09800. NIONATE see:LZ51500 GLUCONIC ACID, IRON(2+) SALT (2:1)

QU22750. NIPLEN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QU23050. NIPPON BLUE BB see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

QU23200. NIPPON KAGAKU CHRYSOIDINE see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

QU39000. NITADON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QU40750. NITEBAN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

QU73550. NITRIC ACID, COBALT(2+) SALT see:GG11090 COBALT(II) NITRATE (1:2)

QV49000. 3,3',3"-NITRILOTRISPROPIONAMIDE see:YL64750 TRISPROPIONAMIDE, 3,3',3"-NITRILO-

QV53400. 5-NITROACENAPHTHENE see:AB10600 ACENAPHTHENE, 5-NITRO-

QV84000. m-NITROBENZOTRIFLUORIDE
TXDS: orl-dog TDLo:18.4 gm/kg/122WI TFX:CAR JAMAAP 172,1611,60

QV94500. p-NITROBIPHENYL see:DV56000 BIPHENYL, 4-NITRO-

QV96250. 4-NITROBIPHENYL see:DV56000 BIPHENYL, 4-NITRO-

QV98000. 4'-NITRO-4-BIPHENYLAMINE see:DV03500 4-BIPHENYLAMINE, 4'-NITRO-

QW26000. 2'-NITRO-4-DIMETHYLAMINOAZOBENZENE see:BX71000 ANILINE, N,N-DIMETHYL-p-((o-NITROPHENYL)AZO)-

QW28000. 3'-NITRO-4-DIMETHYLAMINOAZOBENZENE see:BX70500 ANILINE, N,N-DIMETHYL-p-((m-NITROPHENYL)AZO)-

QW31500. p-NITRODIPHENYL see:DV56000 BIPHENYL, 4-NITRO-

QW42300. 6-NITROFURALDEHYDE SEMICARBAZIDE see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

QW42800. NITROFURAL see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

QW47250. 2-NITROFLUORENE see:LL82250 9H-FLUORENE, 2-NITRO-

QW50750. 5-NITRO-2-FURALDEHYDE SEMICARBAZONE see:LT77000 2-FURALDEHYDE, 5-NITRO-SEMICARBAZONE

QW53300. NITROFURAZONE see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

QW54750. 5-NITROFURFURAL SEMICARBAZONE see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

QW55200. 5-NITRO-2-FURFURALDEHYDE SEMICARBAZONE see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

QW91800. 1-(5-NITRO-2-FURFURYLIDENE)SEMICARBAZIDE see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

QW92250. N-(5-(5-NITRO-2-FURYL)-1,3,4-THIADIAZOL-2-YL)ACETAMIDE see:AC65000 ACETAMIDE, N-(5-(5-NITRO-2-FURYL)-1,3,4-THIADIAZOL-2-YL)-

QW92750. N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)ACETAMIDE see:AC66500 ACETAMIDE, N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)-

QW94500. N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)FORMAMIDE see:LQ31500 FORMAMIDE, N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)-

QX08750. NITROGEN MUSTARD see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

QX09500. NITROGEN MUSTARD AMINE OXIDE see:IA22000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE

QX10500. NITROGEN MUSTARD HYDROCHLORIDE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

QX12000. NITROGEN MUSTARD OXIDE see:IA22000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE

QX12250. NITROGEN MUSTARD N-OXIDE see:IA22000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE

QX45500. 6-NITRO-4-HYDROXYLAMINOQUINOLINE 1-OXIDE see:VB94500 QUINOLINE, 4-(HYDROXYAMINO)-6-NITRO-, 1-OXIDE

QX47250. 7-NITRO-4-HYDROXYLAMINOQUINOLINE 1-OXIDE see:VB96250 QUINOLINE, 4-(HYDROXYAMINO)-7-NITRO-, 1-OXIDE

QX52500. 5-NITRO-8-HYDROXYQUINOLINE see:VC82250 8-QUINOLINOL, 5-NITRO-

QX78750. NITROMIN see:IA22000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE

QX80500. NITROMIN HYDROCHLORIDE see:IA22750 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE, HYDROCHLORIDE

QX84000. 3-NITRO-2-NAPHTHYLAMINE see:QM43750 2-NAPHTHYLAMINE, 3-NITRO-

QX85750. N'-NITRO-N-NITROSO-N-METHYLGUANIDINE see:MF42000 GUANIDINE, 1-METHYL-3-NITRO-1-NITROSO-

QY10000. p-NITROPEROXYBENZOIC ACID see:SD95000 PEROXYBENZOIC ACID, p-NITRO-

QY30500. 4-((p-NITROPHENYL)AZO)DIPHENYLAMINE see:JJ97000 DIPHENYLAMINE, 4-((p-NITROPHENYL)AZO)-

QY84000. 2-NITROQUINOLINE see:VC17500 QUINOLINE, 2-NITRO-

QY85750. 4-NITRO-6-QUINOLINECARBOXYLIC ACID 1-OXIDE see:VB22750 6-QUINOLINECARBOXYLIC ACID, 4-NITRO-, 1-OXIDE

QY87500. 4-NITROQUINOLINE-N-OXIDE see:VC21000 QUINOLINE, 4-NITRO-, 1-OXIDE

QY89250. 4-NITROQUINOLINE-1-OXIDE see:VC21000 QUINOLINE, 4-NITRO-, 1-OXIDE

QY91000. 5-NITRO-8-QUINOLINOL see:VC82250 8-QUINOLINOL, 5-NITRO-

QY92750. 1-NITROSOANABASINE see:BV45500 ANABASINE, 1-NITROSO-

QY94300. NITROSO-AZETIDIN (German) see:CM43750 AZETIDINE, 1-NITROSO-

QY94500. 1-NITROSOAZETIDINE see:CM43750 AZETIDINE, 1-NITROSO-

QY96250. N-NITROSOBUTYLUREA see:YS38500 UREA, 1-BUTYL-1-NITROSO-

QY98000. NITROSOCARBAMIC ACID, ETHYL ESTER see:FC92750 CARBAMIC ACID, NITROSO- ETHYL ESTER

QZ01750. 1'-NITROSO-1'-DEMETHYLNICOTINE see:QS94500 NICOTINE, 1'-NITROSO-1'-DEMETHYL-

QZ03500. N-NITROSODIBUTYLAMINE see:EJ40250 1-BUTANAMINE, N-BUTYL-N-NITROSO-

QZ05250. NITROSODIETHYLAMINE see:IA35000 DIETHYLAMINE, N-NITROSO-

QZ07000. N-NITROSODIETHYLAMINE see:IA35000 DIETHYLAMINE, N-NITROSO-

QZ08750. N-NITROSODIMETHYLAMINE see:IQ05250 DIMETHYLAMINE, N-NITROSO-

QZ10500. p-NITROSO-N,N-DIMETHYLANILINE see:BX71750 ANILINE, N,N'-DIMETHYL-p-NITROSO-

QZ12250. N-NITROSO-N-DIPROPYLAMINE see:JL97000 DIPROPYLAMINE, N-NITROSO-

QZ14000. N-NITROSOETHYLETHANOLAMINE see:KL03500 ETHANOL, 2-(ETHYLNITROSAMINO)-

QZ15750. NITROSOETHYLUREA see:YT31500 UREA, ETHYL NITROSO-

QZ16100. N-NITROSO-N-ETHYLURETHAN see:PB03500 CARBAMIC ACID, ETHYLNITROSO-, ETHYL ESTER

QZ17500. 2-NITROSOFLUORENE see:LL84000 FLUORENE, 2-NITROSO-

QZ21000. N-NITROSOHEPTAMETHYLENEIMINE see:CN49000 AZOCINE, OCTAHYDRO-1-NITROSO-

QZ21500. NITROSO-HEPTAMETHYLENIMIN (German) see:CN49000 AZOCINE, OCTAHYDRO-1-NITROSO-

QZ22750. N-NITROSOHEXAMETHYLENEIMINE see:CM33250 1H-AZEPINE, HEXAHYDRO-1-NITROSO-

QZ23500. N-NITROSOMETHYLAMINOSULFOLANE see:SF64750 PHENAMINE, TETRAHYDRO-N-METHYL-N-NITROSO-3-THIO-, 1,1-DIOXIDE

QZ24300. NITROSOMETHYLANILINE see:BY57750 ANILINE,N-METHYL-N-NITROSO

QZ24500. N-NITROSO-N-METHYLANILINE see:BY57750 ANILINE,N-METHYL-N-NITROSO

QZ26250. N-NITROSO-N-METHYLCYCLOHEXYLAMINE see:GX15750 CYCLOHEXYLAMINE, N-METHYL-N-NITROSO-

QZ28000. N-NITROSO-N-METHYL-4-NITROSO-ANILINE see:BY49000 ANILINE, N-METHYL-N,p-DINITROSO-

QZ29750. N-NITROSO-N-METHYL-4-TOLYLSULFONAMIDE see:XT59500 p-TOLUENESULFONAMIDE, N-METHYL-N-NITROSO-

QZ31500. NITROSOMETHYLUREA see:YT78750 UREA, METHYL NITROSO-

QZ33250. N-NITROSO-N-METHYLUREA see:YT78750 UREA,METHYL NITROSO

QZ35000. NITROSOMETHYLURETHANE see:FC63000 CARBAMIC ACID,N-METHYL-N-NITROSO-,ETHYL ESTER

QZ36000. N-NITROSOMORPHOLIN (German) see:QE75250 MORPHOLINE, N-NITROSO-

QZ36750. N-NITROSOMORPHOLINE see:QE75250 MORPHOLINE, N-NITROSO

QZ38500. 4-NITROSOMORPHOLINE see:QE75250 MORPHOLINE, N-NITROSO

QZ40250. 1-NITROSONAPHTHALENE see:QJ98000 NAPHTHALENE, 1-NITROSO-

QZ42000. 2-NITROSONAPHTHALENE see:QK01750 NAPHTHALENE, 2-NITROSO-

QZ48000. 2-NITROSO-1-NAPHTHOL see:QL45500 1-NAPHTHOL, 2-NITROSO-

QZ49000. NITROSONORNICOTINE see:QS94500 NICOTINE, 1'-NITROSO-1'-DEMETHYL-

QZ50750. N-NITROSOOCTAMETHYLENEIMINE see:CO17500 1H-AZONINE, OCTAHYDRO-1-NITROSO-

QZ52500. N-NITROSOPERHYDROAZEPINE see:CM33250 1H-AZEPINE, HEXAHYDRO-1-NITROSO-

QZ61250. N-NITROSO-4-PICOLYLETHYLAMINE see:UT36750 PYRIDINE, 4-((ETHYLNITROSAMINO)METHYL)-

QZ63000. 1-NITROSOPIPERAZINE see:TN24500 PIPERAZINE, 1-NITROSO-

QZ64000. N-NITROSO-PIPERIDIN (German) see:TN21000 PIPERIDINE, 1-NITROSO-

QZ64750. N-NITROSOPIPERIDINE see:TN21000 PIPERIDINE, 1-NITROSO-

QZ65500. N-NITROSOPYRROLIDINE see:UY15750 PYRROLIDINE, 1-NITROSO-

QZ68250. N-NITROSOSARCOSINE see:VQ31500 SARCOSINE, N-NITROSO-

QZ70000. N-NITROSOSARCOSINE, ETHYL ESTER see:VQ33250 SARCOSINE, N-NITROSO-, ETHYL ESTER

QZ70600. N-NITROSOTETRAHYDROOXAZIN-1,3 (German) see:RP64000 1,3-OXAZINE, 3-NITROSO-TETRAHYDRO-

QZ71200. N-NITROSO-TETRAHYDRO-1,3-OXAZINE see:RP64000 1,3-OXAZINE, 3-NITROSO-TETRAHYDRO-

QZ71750. 4-NITROSOTHIOMORPHOLINE see:QE77000 MORPHOLINE, 4-NITROSOTHIO-

QZ72200. N-NITROSO-2,2,4-TRIMETHYL-1,2-DIHYDROQUINOLINE, POLYMER see:VC23000 1(2H)-QUINOLINE, 1-NITROSO-2,2,4-TRIMETHYL-, POLYMER

QZ72800. 1-NITROSO-2,2,4-TRIMETHYL-1(2H)-QUINOLINE, POLYMER see:VC23000 1(2H)-QUINOLINE, 1-NITROSO-2,2,4-TRIMETHYL-, POLYMER

QZ73500. NITROSOURETHANE see:FC92750 CARBAMIC ACID, NITROSO- ETHYL ESTER

RA19250. NITROZAN K see:BY49000 ANILINE, N-METHYL-N,p-DINITROSO-

RA25500. N-LOST (German) see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

RA26000. N-6-NI see:CM33250 1H-AZEPINE, HEXAHYDRO-1-NITROSO-

RA26250. NMH see:YT78750 UREA, METHYL NITROSO-

RA27200. NMO see:IA22000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE

RA29750. NMU see:YT78750 UREA, METHYL NITROSO-

RA49000. NOHFAA see:AK85750 ACETOHYDROXAMIC ACID, N-FLUOREN-2-YL-

RA64750. NONANE, 1,2,:8,9-DIEPOXY-
MW: 160.25 MOLFM: O2-C9-H16
WLN: T3OTJ B- 25
SYN: 1,2:8,9-DIEPOXYNONANE *
TXDS: ihl-mus TDLo:3800 mg/kg TFX:NEO MARSAM 3,193,63

RB45500. NOPTIL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

RC15750. NORDICOL see:KG29750 ESTRADIOL

RC49000. NORFORMS see:OV64750 MERCURY, (ACETATO)PHENYL-

RC66500. NORMAL LEAD ACETATE see:AI52500 ACETIC ACID, LEAD(2+) SALT

RC68250. NORMAL LEAD ORTHOPHOSPHATE see:OG36750 LEAD(II) PHOSPHATE (3:2)

RC85750. NORNICOTYRINE see:UT78750 PYRIDINE, 3-PYRROL-2-YL-

RC89250. 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL
CAS: 000057636 MW: 296.44 MOLFM: O2-C20-H24
WLN: L E5 B666TTT&J E FQ F1UU1 OQ
SYN: AMENORON * ANOVLAR * CHEE-O-GENF * 3,17-beta-DIHYDROXY-17-alpha-

ETHYNYL-1,3,5(10)-OESTRATRIENE * 3,17-beta-DIHYDROXY-17-alpha-ETHYNYL-1,3,5(10)-ESTRATRIENE * DIOGNAT-E * DIOGYN-E * DYLOFORM * EE * ESTEED * ESTIGYN * ESTINYL * ESTON-E * ESTORAL [ORION] * ESTORALS * ESTRADIOL, 17-ETHYNYL- * ESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL, 17-alpha-ETHYNYL- * ETHIDOL * ETHINORAL * 17-alpha-ETHINYL-3,17-DIHYDROXY-DELTA(sup 1,3,5)-ESTRATRIENE * ETHINYL ESTRADIOL * 17-ETHINYL-3,17-ESTRADIOL * 17-alpha-ETHINYLESTRADIOL * 17-alpha-ETHINYLESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL * ETHINYLOESTRADIOL * 17-ETHINYL-3,17-OESTRADIOL * 17-alpha-ETHINYL-DELTA(sup 1,3,5(10))OESTRATRIENE-3,17-beta-DIOL * 17-alpha-ETHINYLOESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL * 17-ETHYNYL-3,17-DIHYDROXY-1,3,5-OESTRATRIENE * 17-alpha-ETHYNYLESTRADIOL * 17-alpha-ETHYNYLESTRADIOL-17-beta * 17-alpha-ETHYNYLESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL * 17-ETHYNYLOESTRADIOL * 17-alpha-ETHYNYLOESTRADIOL * 17-alpha-ETHYNYL-17-beta-OESTRADIOL * 17-alpha-ETHYNYLOESTRADIOL-17-beta * 17-ETHYNYLOESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL * 17-alpha-ETHYNYL-1,3,5-OESTRATRIENE-3,17-beta-DIOL * ETICYCLIN * ETICYCLOL * ETINESTROL * ETINESTRYL * ETINOESTRYL * GINESTRENE * INESTRA * LINORAL * LYNORAL * MENOLYN * NEO-ESTRONE * NOVESTROL * ORADIOL * ORESTRALYN * ORESTRAYLN * PALONYL * PEROVEX * PRIMOGYN * PRIMOGYN C * PRIMOGYN M * PROGYNON C * PSEUDOSOLASODINE B, DIACETATE *

TXDS: orl-rat LD50:550 mg/kg TXAPA9 18,185,71
orl-rat TDLo:240 mg/kg/35WC TPX:NEO EMSDA8 22,28,64
orl-mus LD50:450 mg/kg TXAPA9 18,185,71

RC89600. 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-
CAS: 000072333 MW: 310.47 MOLFM: O2-C21-H26
SYN: Compound 33355 * DELTA-MVE * EE3ME * 17-alpha-ETHINYL ESTRADIOL 3-METHYL ETHER * ETHINYLESTRADIOL 3-METHYL ETHER * 17-alpha-ETHINYL OESTRADIOL 3-METHYL ETHER * ETHINYLOESTRADIOL 3-METHYL ETHER * ETHYNYLESTRADIOL 3-METHYL ETHER * 17-alpha-ETHYNYLESTRADIOL 3-METHYL ETHER * ETHYNYLOESTRADIOL 3-METHYL ETHER * 17-alpha-ETHYNYLOESTRADIOL 3-METHYL ETHER * (+)-17-alpha-ETHYNYL-17-beta-HYDROXY-3-METHOXY-1,3,5(10)-ESTRATRIENE * (+)-17-alpha-ETHYNYL-17-beta-HYDROXY-3-METHOXY-1,3,5(10)-OESTRATRIENE * 17-ETHYNYL-3-METHOXY-1,3,5(10)-ESTRATRIEN-17-beta-OL * 17-alpha-ETHYNYL-3-METHOXY-17-beta-HYDROXY-DELTA-1,3,5(10)-ESTRATRIENE * 17-alpha-ETHYNYL-3-METHOXY-17-beta-HYDROXY-DELTA-1,3,5(10)-OESTRATRIENE * 17-ETHYNYL-3-METHOXY-1,3,5(10)-OESTRATIEN-17-beta-OL * MESTRANOL * 3-METHOXY-17-alpha-ETHINYLESTRADIOL * 3-METHOXY-17-alpha-ETHINYLOESTRADIOL * 3-METHOXY-17-alpha-ETHYNYLESTRADIOL * 3-METHOXY-17-alpha-ETHYNYL-1,3,5(10)-ESTRATRIEN-17-beta-OL * 3-METHOXY-17-alpha-ETHYNYL-1,3,5(10)-OESTRATRIEN-17-beta-OL * 3-METHOXY-19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-20-YN-17-OL * SC 4725 *

TXDS: orl-mus TDLo:4300 mg/kg/61WC TPX:NEO REEBB3 16,425,71

RC90500. (17-alpha)-19-NORPREGN-4-EN-20-YN-3-ONE, 17-HYDROXY- and (17-alpha)-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY- (66:1)
TXDS: orl-mus TDLo:200 mg/kg/7W WC TPX:CAR JNCIAM 43,671,69
orl-mky TDLo:152 mg/kg/78WI TPX:CAR JNCIAM 48,551,72

RC98070. NORSULFASOL see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

RC98140. NORSULFAZOLE see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

RC98300. NORTEC see:FH87500 CHLORAL HYDRATE

RD46500. NOVANTOINA see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

RD50750. NOVESTROL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

RD71750. NOVOCILLIN see:XH98000 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYL= ACETAMIDO)-, MONOSODIUM SALT

RD94500. 4-NQO see:VC21000 QUINOLINE, 4-NITRO-, 1-OXIDE

RD98800. NSC 339 see:TL63000 PIPERAZINE, 1,4-DINITROSO-

RE01750. NSC 739 see:MA10500 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)AMINO)BENZOYL)-, L-

RE02500. NSC-740 see:MA12250 GLUTAMIC ACID, N-(p-(((2,4-DIAMINO-6-PTERIDINYL)METHYL)METHYLAMINO)BENZOYL)-, L-

RE05250. NSC 746 see:PA84000 CARBAMIC ACID, ETHYL ESTER

RE05400. NSC-750 see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

RE05600. NSC 751 see:ES70000 BUTYRIC ACID, 2-AMINO-4-(ETHYLTHIO)-, DL-

RE07000. NSC 757 see:GH07000 COLCHICINE

RE08750. NSC 762 see:IA17500 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-

RE09000. NSC-762 HYDROCHLORIDE see:IA21000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL, HYDROCHLORIDE

RE10750. NSC-2100 see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

RE11250. NSC 3053 see:AU15750 ACTINOMYCIN D

RE12000. NSC-3070 see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

RE12250. NSC-3088 see:ES75250 BUTYRIC ACID, 4-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-

RE15750. NSC-6396 see:SZ29750 PHOSPHINE SULFIDE, TRIS(1-AZIRIDINYL)-

RE17500. NSC-8806 see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-

RE19250. NSC-9698 see:OP22750 MANNITOL,
1,6-BIS(2-CHLOROETHYLAMINO)-1,6-DIDEOXY-,

RE19600. NSC-9704 see:TW01750 PROGESTERONE

RE20000. NSC 9717 see:SZ17500 PHOSPHINE OXIDE, TRIS(1-AZIRIDINYL)-

RE21000. NSC-10429 see:SZ26250 PHOSPHINE SULFIDE, BIS(1-AZIRIDINYL)MORPHOLINO-

RE25000. NSC-9895 see:KG29750 ESTRADIOL

RE26250. NSC-17118 see:VB01750 QUINOLINE, 4-(4-(BIS(2-CHLOROETHYL)AMINO)-1-METHYLBUTYLAMINO)-
7-CHLORO-, DIHYDROCHLORIDE

RE28000. NSC-17262 see:DK33250 p-BENZOQUINONE, 2,5-BIS(1-AZIRIDINYL)-3,6-BIS(2-METHOXYETHOXY)-

RE31500. NSC 18321 see:MX42000 HYDROQUINONE, 2,5-BIS((BIS(2-CHLOROETHYL)AMINO)METHYL-

RE33250. NSC-18439 see:BW84000 ANILINE, N,N-BIS(2-CHLOROETHYL)-2,3-DIMETHOXY-

RE34000. NSC-19893 see:YR03500 URACIL,5-FLUORO

RE35000. NSC-23892 see:DD63000 BENZIMIDAZOLE, 2-(BIS(2-CHLOROETHYL)AMINOMETHYL)-5,6-DIMETHYL-,
HYDROCHLORIDE

RE38500. NSC 26271 see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-,
2-OXIDE

RE40250. NSC 26980 see:CW07000 AZIRINO(2',3':3,4)PYRROLO(1,2-a)INDOLE-4,7-DIONE, 6-AMINO-

RE47250. NSC-32606 see:EJ85750 BUTANE, L-1,2:3,4-DIEPOXY-

RE48000. NSC 32946 see:DU28000 BIGUANIDINE, 1,1'-((METHYLETHANEDIYLIDENE)DINITRILO)-,
DIHYDROCHLORIDE DIHYDRATE

RE49000. NSC-34372 see:AR75250 ACRIDINE, 9-(2-(BIS(2-CHLOROETHYL)AMINO)ETHYLAMINO)-
6-CHLORO-2-METHOXY-, DIHYDROCHLORIDE HYDRATE

RE50750. NSC-34462 see:YQ89250 URACIL, 5-(BIS(2-CHLOROETHYL)AMINO)-

RE52500. NSC-37538 see:OP29750 MANNITOL, 1,6-DIMETHANESULFONATE, D-

RE55100. NSC-45388 see:NI39500 IMIDAZOLE-4-CARBOXAMIDE, 5-(3,3-DIMETHYL-1-TRIAZENO)-

RE61250. NSC-62209 see:QM24500 2-NAPHTHYLAMINE, N,N-BIS(2-CHLOROETHYL)-

RE61750. NSC 62580 see:TX77000 1,3-PROPANEDIAMINE, N,N'-DIMETHYL-N,N'-DINITROSO-

RE62200. NSC 63346 see:VB73500 QUINOLINE, 4-(p-(DIMETHYLAMINO)STYRYL)-, MONOHYDROCHLORIDE

RE70000. NSC-71045 see:FB17500 CARBAMIC ACID, HYDROXY-, ETHYL ESTER

RE71500. NSC 73600 see:TH75250 PHTHALAMIDE, N-N'-DIMETHYL-N,N'-DINITROSO-

RE71750. NSC-77213 see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-,
MONOHYDROCHLORIDE

RE74400. NSC-82151 see:HB78750 DAUNOMYCIN

RE77000. NSC-83629 see:FB17500 CARBAMIC ACID, HYDROXY-, ETHYL ESTER

RE80800. NSC-123127 see:AV98000 ADRIAMYCIN

RF28000. NUMOL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

RF33250. NUNOL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

RF51040. NYCTAL see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

RF51330. NYCTON see:PM87500 CHLORAL HYDRATE

RF52500. NYLON
CAS: PM9008757 MOLFM: (N-O-C6-H11)n
SYN: AMILAN * CAPROLON * ENKALON * GRILON * KAPRON * MIRLON * PERLON * PHRILON * SILON *
TXDS: scu-rat TDLo:123 mg/kg TFX:NEO CNREA8 15,333,55

RF54250. NYDRAZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

RF55600. NYLMERATE see:OV64750 MERCURY, (ACETATO)PHENYL-

RF57750. NYSCOZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

RF64750. OAAT see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

RF77000. OCRITEN see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

RG12250. OCTADECANOIC ACID, 9,10:12,13-DIEPOXY-
CAS: 002500563 MW: 311.49 MOLFM: O4-C18-H31
WLN: T3OTJ B7VQ C1- BT3OTJ C5
SYN: 9,10:12,13-DIEPOXYOCTADECANOIC ACID * 9,10:12,13-DIEPOXYSTEARIC ACID *
TXDS: skn-mus TDLo:3400 mg/kg/28WI TFX:NEO JNCIAM 31,41,63

RG13000. OCTADECANOIC ACID, 9,10-EPOXY-
CAS: 002443392 MW: 298.52 MOLFM: O3-C18-H34
WLN: T3OTJ B8 C7VQ
SYN: 9,10-EPOXYSTEARIC ACID * cis-9,10-EPOXYSTEARIC ACID *
TXDS: skn-mus TDLo:2880 mg/kg/24WI TFX:NEO JNCIAM 31,41,63
scu-mus TDLo:160 mg/kg/40WI TFX:NEO CNREA8 30,1037,70

RG15750. OCTADECANOIC ACID, 9,10-EPOXY-, BUTYL ESTER
CAS: 000106832 MW: 354.64 MOLFM: O3-C22-H42
WLN: T3OTJ B8 C7VO4
SYN: BUTYL-9,10-EPOXYSTEARATE * 9,10-EPOXYOCTADECANOIC ACID, BUTYL ESTER *
TXDS: ihl-mus TDLo:24 gm/kg TFX:NEO RABSAM 3,193,63

RG22750. 9-OCTADECENOIC ACID, (Z)-
CAS: 000112801 MW: 282.52 MOLFM: O2-C18-H34
WLN: QV8U9 -C
SYN: EMERSOL 220 WHITE OLEIC ACID * EMERSOL 221 LOW TITER WHITE OLEIC ACID * K 52 * L'ACIDE OLEIQUE (French) * METAUPON * cis-DELTA(sup 9)-OCTADECENOIC ACID * cis-OCTADEC-9-ENOIC ACID * cis-9-OCTADECENOIC ACID * 9-OCTADECENOIC ACID, cis- * 9,10-OCTADECENOIC ACID * OLEIC ACID * RED OIL * VOPCOLENE 27 * WECOLINE OO *
TXDS: ivn-mus LD50:230 mg/kg APTOA6 18,141,61
scu-rbt TDLo:3120 mg/kg/52WI TFX:NEO CRSBAW 137,760,43
ivn-cat LDLo:50 mg/kg APSCAX 40,59,57

RG24500. cis-OCTADEC-9-ENOIC ACID see:RG22750 9-OCTADECENOIC ACID, (Z)-

RG26250. cis-delta(sup 9)-OCTADECENOIC ACID see:RG22750 9-OCTADECENOIC ACID, (Z)-

RG28000. cis-9-OCTADECENOIC ACID see:RG22750 9-OCTADECENOIC ACID, (Z)-

RG36750. 9-OCTADECENOIC ACID, cis- see:RG22750 9-OCTADECENOIC ACID, (Z)-

RG37000. 9,10-OCTADECENOIC ACID see:RG22750 9-OCTADECENOIC ACID, (Z)-

RG38500. 9-OCTADECENOIC ACID, 12-HYDROXY-, (Z)- see:VJ31500 RICINOLEIC ACID

RG40000. OCTADECENOIC ACID, HYDROXY-, METHYL ESTER
MW: 310.53 MOLFM: O3-C19-H34
TXDS: skn-mus TDLo:62 gm/kg/52WI TFX:NEO APMIAL 82,127,74

RG41000. trans-10-OCTADECENOIC ACID, 12-OXO-, METHYL ESTER
MW: 310.53 MOLFM: O3-C19-H34
TXDS: skn-mus TDLo:62 gm/kg/52WI TFX:CAR APMIAL 82,127,74

RG62000. OCTAHYDRO-1:2:5:6-DIBENZANTHRACENE see:HN56750 DIBENZ(a,h):ANTHRACENE, OCTAHYDRO-

RG66500. OCTAHYDRO-1-NITROSOAZOCINE see:CN49000 AZOCINE, OCTAHYDRO-1-NITROSO-

RG68250. OCTAHYDRO-1-NITROSO-1H-AZONINE see:CO17500 1H-AZONINE, OCTAHYDRO-1-NITROSO-

RG71750. OCTALENE see:IO21000 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-, endo,exo-

RG73500. OCTALOX see:IO17500 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-6,7-EPOXY-1,4,4a,5,6,7,8,8a-OCTAHYDRO-, ENDO-EXO-

RG94500. OCTANE, 1,2:7,8-DIEPOXY-
CAS: 002426075 MW: 142.22 MOLFM: O2-C8-H14
WLN: T3OTJ B- 2A
SYN: 1,2,7,8-DIEPOXYOCTANE * 1,2-EPOXY-7,8-EPOXYOCTANE *
TXDS: orl-rat LD50:1070 mg/kg AIHAAP 23,95,62
skn-mus TDLo:8900 mg/kg/74W TFX:CAR JNCIAM 39,1217,67
skn-rbt LD50:320 mg/kg AIHAAP 23,95,62

RG96250. OCTANE, 1,2-EPOXY-
CAS: 002984501 MW: 130.24 MOLFM: O-C8-H16
WLN: T3OTJ B6
SYN: 1,2-EPOXYOCTANE * OCTYLENE EPOXIDE *
TXDS: ihl-mus TDLo:100 mg/kg TFX:NEO RARSAM 3,193,63

RG97200. OCTAN FENYLRTUTNATY (Czech) see:OV64750 MERCURY, (ACETATO)PHENYL-

RH84000. OCTYLENE EPOXIDE see:RG96250 OCTANE, 1,2-EPOXY-

RI40300. OE3 see:KG82250 ESTRIOL

RI41800. OESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL see:KG29750 ESTRADIOL

RI45500. OESTERGON see:KG29750 ESTRADIOL

RI47300. OESTRADIOL-17-beta see:KG29750 ESTRADIOL

RI47360. alpha-OESTRADIOL see:KG29750 ESTRADIOL

RI47420. beta-OESTRADIOL see:KG29750 ESTRADIOL

RI47480. cis-OESTRADIOL see:KG29750 ESTRADIOL

RI47550. d-OESTRADIOL see:KG29750 ESTRADIOL

RI47700. OESTRADIOL BENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

RI47750. OESTRADIOL MONOBENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

RI47830. 17-beta-OESTRA-1,3,5(10)-TRIENE-3,17-DIOL see:KG29750 ESTRADIOL

RI47910. 1,3,5-OESTRATRIENE-3-beta,16-alpha,17-beta-TRIOL see:KG82250 ESTRIOL

RI48000. OESTRA-1,3,5(10)-TRIENE-3,16-alpha,17-beta-TRIOL see:KG82250 ESTRIOL

RI48100. (16-alpha,17-beta)-OESTRA-1,3,5(10)-TRIENE-3,16,17-TRIOL see:KG82250 ESTRIOL

RI48200. OESTRATRIOL see:KG82250 ESTRIOL

RI48300. 16-alpha,17-beta-OESTRIOL see:KG82250 ESTRIOL

RI48400. OESTRIN see:KG85750 ESTRONE

RI48500. OESTRIOL see:KG82250 ESTRIOL

RI48600. OESTROFORM see:KG40500 ESTRADIOL, 3-BENZOATE

RI48650. OESTPOFORM see:KG85750 ESTRONE

RI50750. OESTPOGENINE see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

RI52500. OESTROGLANDOL see:KG29750 ESTRADIOL

RI54250. OESTROMENIN see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

RI56000. OESTROMENSYL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

RI57750. OESTROMIENIN see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

RI57800. OESTRONE see:KG85750 ESTRONE

RI57850. OESTROPEROS see:KG85750 ESTRONE

RI60400. 17-beta-OH-ESTRADIOL see:KG29750 ESTRADIOL

RI72000. OIL GREEN see:GB64750 CHROMIUM(3+) OXIDE

RI88300. OIL ORANGE see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

RI88600. OIL ORANGE 31 see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

RI88800. OIL ORANGE 2311 see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

RI89000. OIL ORANGE 2B see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

RI89250. OIL ORANGE E see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

RI89500. OIL ORANGE KB see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

RI89750. OIL ORANGE N EXTRA see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

RI91000. OIL ORANGE OPEL see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

RI92750. OIL ORANGE O'PEL see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

RI93500. OIL ORANGE PEL see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

RI93750. OIL ORANGE R see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

RI93800. OIL ORANGE 2R see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

RI94500. OIL ORANGE SS see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

RI96250. OIL ORANGE TX see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

RI96800. OIL ORANGE 7078-V see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

RI97000. OIL ORANGE X see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

RI97050. OIL ORANGE XO see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

RI97300. OIL ORANGE Z-7078 see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

RI98000. OIL RED 3 see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ01750. OIL RED 7 see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ03500. OIL RED 47 see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ05250. OIL RED 282 see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ07000. OIL RED A see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ10500. OIL RED 2B see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ12250. OIL RED 3B see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ14000. OIL RED BB see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ15750. OIL RED BS see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ17500. OIL RED D see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ19250. OIL RED ED see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ21000. OIL RED F see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ22750. OIL RED GO see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ24500. OIL RED RC see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ26250. OIL RED RR see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ28000. OIL RED S see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ29750. OIL RED TAX see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ31500. OIL RED XO see:QL59500 2-NAPHTHOL, 1-(2,5-XYLYLAZO)-

RJ33250. OIL RED ZD see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ35000. OIL SCARLET see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ36750. OIL SCARLET 4B see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ36775. OIL SCARLET 371 see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

RJ36800. OIL SCARLET BL see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

RJ36850. OIL SCARLET 6G see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

RJ36900. OIL SCARLET YS see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

RJ37600. OIL VIOLET see:QM28500 2-NAPETHYLAMINE, N-ETHYL-1-((p-(PHENYLAZO)PHENYL)AZO)-

RJ42000. OIL YELLOW 20 see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

RJ43750. OIL YELLOW 21 see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

RJ45500. OIL YELLOW 2625 see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

RJ47250. OIL YELLOW 2681 see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

RJ47500. OIL YELLOW I see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

RJ48000. OIL YELLOW II see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

RJ49000. OIL YELLOW A see:SR43750 PHENYLAZO-2-NAPHTHYLAMINE

RJ50750. OIL YELLOW AAB see:BY82250 ANILINE, p-(PHENYLAZO)-

RJ52500. OIL YELLOW AB see:BY82250 ANILINE, p-(PHENYLAZO)-

RJ54250. OIL YELLOW AP PURE see:SR43750 PHENYLAZO-2-NAPHTHYLAMINE

RJ56000. OIL YELLOW AN see:BY82250 ANILINE, p-(PHENYLAZO)-

RJ57750. OIL YELLOW AT see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

RJ59500. OIL YELLOW BB see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

RJ61250. OIL YELLOW C see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

RJ63000. OIL YELLOW D see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

RJ64750. OIL YELLOW FN see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

RJ66500. OIL YELLOW G see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

RJ68250. OIL YELLOW 2G see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

RJ70000. OIL YELLOW GG see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

RJ71750. OIL YELLOW GR see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

RJ72500. OIL YELLOW OB see:QM50000 2-NAPHTHYLAMINE, 1-(o-TOLYLAZO)-

RJ73000. OIL YELLOW OB PURE see:QM50000 2-NAPHTHYLAMINE, 1-(o-TOLYLAZO)-

RJ77000. OIL YELLOW PEL see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

RJ78750. OIL YELLOW 2R see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

RJ80900. O6K see:QL73500 1,4-NAPHTHOQUINONE, 2-AMINO-3-CHLORO-

RJ86200. OLEAL ORANGE R see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

RJ87500. OLEAL ORANGE SS see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

RJ89250. OLEAL RED BB see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RJ91000. OLEAL YELLOW 2G see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

RK03500. OLEIC ACID see:RG22750 9-OCTADECENOIC ACID, (Z)-

RK07000. OLEIC ACID, 2,3-EPOXYPROPYL ESTER
CAS: 005431334 MW: 338.59 MOLFM: O3-C21-H38
WLN: T3OTJ B1OVBU9 *C
SYN: GLYCIDYL OLEATE *
TXDS: orl-rat LD50: 3520 mg/kg AIHAAP 24,305,63
scu-mus TDLo:1000 mg/kg/YI TFX:NEO CNREA8 30,1037,70

RK08750. OLEIC ACID, 12-HYDROXY- see:VJ31500 RICINOLEIC ACID

RK08950. OLEIC ACID, METHYL ESTER, cis-
CAS: 0000112629 MW: 296.55 MOLFM: O2-C19-H36
TXDS: skn-mus TDLo:62 gm/kg/52WI TFX:CAR APMIAL 82,127,74

RK23000. OLEOYLETHYLENEIMINE see:CM83000 AZIRIDINE, 1-OLEOYL-

RK43750. OLIVINE
CAS: 001317711
SYN: CHRYSOLITE * IRON MAGNESIUM SILICATE *
TXDS: ipl-mus TDLo:400 mg/kg TFX:NEO BJEPA5 53,190,72

RK45500. OLPISAN see:DA66500 BENZENE, PENTACHLORONITRO-

RK50700. OMAIN see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

RK58200. OM HIDANTOINA SIMPLE see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

RK58900. OM-HYDANTOINE see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

RL05250. ONCOSTATIN K see:AU15750 ACTINOMYCIN D

RL23500. OPLOSSINGEN (Dutch) see:LP89250 FORMALDEHYDE

RL23900. beta-OPPN see:UI45500 PROPYLAMINE, N-(2-OXOPROPYL)-N-NITROSO-

RL26250. OPSPA see:SZ26250 PHOSPHINE SULFIDE, BIS(1-AZIRIDINYL)MORPHOLINO-

RL31500. OP-THAL-ZIN see:WT17500 SULFURIC ACID, ZINC SALT (1:1)

RL38500. 8-OQ see:VC42000 8-QUINOLINOL

RL44290. ORADIOL see:PC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

RL50000. ORANGE I see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

RL50400. 1333 ORANGE see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

RL55000. ORANGE I EXTRA CONC. A EXPORT see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

RL58000. ORANGE IM see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

RL59500. ORANGE II R see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

RL63000. ORANGE OT* see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

RL64750. ORANGE PAL see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

RL65200. ORANGE 3RA SOLUBLE in GREASE see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

RL66550. ORANGE R FAT SOLUBLE see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

RL66890. ORANGE RGL CONC. SPECIALLY PURE see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

RL68250. ORANGE 3R SOLUBLE IN GREASE see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

RL77000. ORANGE SS see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

RL78750. ORANGE YELLOW S see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

RL80500. ORANGE YELLOW S.PQ see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

RL91000. ORCHARD BRAND ZIRAM see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

RL98000. ORDINARY AZOXYBENZENE see:CO40250 AZOXYBENZENE

RM07000. ORESTRALYN see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

RM08750. ORESTRAYLN see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

RM11300. ORGANOL BORDEAUX B see:QM28500 2-NAPHTHYLAMINE, N-ETHYL-1-((p-(PHENYLAZO)PHENYL)AZO)-

RM11800. ORGANOL ORANGE see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

RM12250. ORGANOL ORANGE 2R see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

RN14000. ORGANOL RED B see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RN15750. ORGANOL YELLOW 2A see:BY82250 ANILINE, p-(PHENYLAZO)-

RN17500. ORGANOL YELLOW ADM see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

RN19250. ORGANOL YELLOW 2T see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

RN21000. ORGASEPTINE see:WO84000 SULFANILAMIDE

RN23400. ORIENT OIL ORANGE PS see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

RN24500. ORIENT OIL RED RR see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

RN26250. ORIENT OIL YELLOW GG see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

RN31000. ORONOL see:MD64750 GOLD, (1-THIO-D-GLUCOPYRANOSATO)-

RN34000. ORQUISTERON see:XA30300 TESTOSTERONE

RN43100. ORTHO-AMIDOBENZOIC ACID see:CB24500 ANTHRANILIC ACID

RN43200. ORTHO-AMINOBENZOIC ACID see:CB24500 ANTHRANILIC ACID

RN50750. ORTHOBORIC ACID see:ED45500 BORIC ACID

RN84000. ORTHO-MITE see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

RN11750. OSMOFERRIN
TXDS: scu-mus TDLo:40 gm/kg/I TFX:NEO BECCAM 40,30,62

RN42000. OVAHORMON see:KG29750 ESTRADIOL

RN43750. OVASTEROL see:KG29750 ESTRADIOL

RN44000. OVASTEROL-B see:KG40500 ESTRADIOL, 3-BENZOATE

RN45500. OVASTEVOL see:KG29750 ESTRADIOL

RN49000. OVESTIN see:KG82250 ESTRIOL

RN50850. OVEX see:KG40500 ESTRADIOL, 3-BENZOATE

RN50900. OVEX see:KG85750 ESTRONE

RN51500. OVIFOLLIN see:KG85750 ESTRONE

RN56000. OVOCYCLIN see:KG29750 ESTRADIOL

RN56500. OVOCYCLIN BENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

RN57750. OVOCYCLIN DIPROPIONATE see:KG47250 ESTRADIOL, DIPROPIONATE

RN59500. OVOCYCLINE see:KG29750 ESTRADIOL

RN59700. OVOCYCLIN M see:KG40500 ESTRADIOL, 3-BENZOATE

RN59750. OVOCYCLIN-MB see:KG40500 ESTRADIOL, 3-BENZOATE

RN61250. OVOCYCLIN-P see:KG47250 ESTRADIOL, DIPROPIONATE

RN63000. OVOCYLIN see:KG29750 ESTRADIOL

RN77000. 7-OXABICYCLO(4.1.0)HEPTANE-3-CARBOXILIC ACID, 4-METHYL-, (4-METHYL-7-OXABICYCLO(4.1.0)HEPT-3-YL)METHYL ESTER
CAS: 000141377 MW: 280.40 MOLFM: O4-C16-H24
WLN: T36 BOTJ E F- 2/VO1/
SYN: CYCLOHEXANECARBOXYLIC ACID, 3,4-EPOXY-6-METHYL-, 3,4-EPOXY-6-METHYLCYCLOHEXYLMETHYL ESTER * EPOXIDE-201 * 3,4-EPOXY-6-METHYLCYCLOHEXENECARBOXYLIC ACID (3,4-EPOXY-6-METHYLCYCLOHEXYLMETHYL) ESTER * 3,4-EPOXY-6-METHYLCYCLOHEXYLMETHYL 3,4-EPOXY-6-METHYLCYCLOHEXANECARBOXYLATE * 6-METHYL-3,4-EPOXYCYCLOHEXYLMETHYL 6-METHYL-3,4-EPOXYCYCLOHEXANE CARBOXYLATE * UNOX EPOXIDE 201 *
TXDS: orl-rat LD50:4920 mg/kg UCDS** -,-,65
skn-mus TDLo:94 gm/kg/78W TFX:CAR JNCIAM 39,1217,67

RN85750. 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ANHYDRIDE, 2,3-DIMETHYL-
CAS: 000056257 MW: 196.22 MOLFM: O4-C10-H12
WLN: T C555 A AO DVOVTJ C G
SYN: CAN * CANTHARIDES CAMPHOR * CANTHARIDIN * exo-1,2-cis-DIMETHYL-3,6-EPOXYHEXAHYDROPHTHALIC ANHYDRIDE * HEXAHYDRO-3a,7a-DIMETHYL-4, HEXAHYDRO-3a,7a-DIMETHYL-4,7-EPOXYISOBENZOFURAN-1,3-DIONE *

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          TXDS: skn-mus TDLo:25 mg/kg/14W TFX:CAR                          BJCAAI 9,177,55
                scu-rbt LDLo:100 mg/kg                                     12VXA5 8,201,68

RN86400. 7-OXABICYCLO(4.1.0)HEPTANE, 1-(EPOXYETHYL)-
          CAS: 004223103      MW: 140.20          MOLFM: O2-C8-H12
          WLN: T36 BOTJ A- BT3OTJ
          SYN: 3-(EPOXYETHYL)-7-OXABICYCLO(4.1.0)HEPTANE   *  1-ETHYLENEOXY-3,4-EPOXYCYCLOHEXANE
               *  VINYL CYCLOHEXENE DIEPOXIDE   *  VINYL CYCLOHEXENE DIOXIDE   *
          TXDS: orl-rat LD50:2130 mg/kg                                    SCCUR* -,9,61
                ihl-rat LC50:800 ppm/4H                                    SCCUR* -,9,61
                ipr-rat TDLo:250 mg/kg TFX:CAR                             BJPCAL 6,235,51
                skn-mus TDLo:56 gm/kg/47WI TFX:CAR                         JNCIAM 31,41,63
                skn-rbt LD50:620 mg/kg                                     AIHAAP 24,305,63

RO43750. OXALYL-o-AMINOAZOTOLUENE
          TXDS: orl-rat TDLo:180 mg/kg/DC TFX:NEO                          GANNA2 32,232,38

PP38500. 6-OXA-3-THIABICYCLO(3.1.0)HEXANE 3,3-DIOXIDE
          CAS: 004509119      MW: 134.16          MOLFM: S-O3-C4-H6
          WLN: T35 BO ESWTJ
          SYN: 3,4-EPOXYSULFOLANE   *
          TXDS: scu-mus TDLo:90 mg/kg/22WI TFX:NEO                         JNCIAM 46,143,71

RP43000. 1,2-OXATHIANE 2,2-DIOXIDE
                              MW: 136.18          MOLFM: O3-S-C4-H8
          WLN: T6OSWTJ
          SYN: 1,4-BUTANESULTONE   *
          TXDS: orl-rat TDLo:1300 mg/kg/2YI TFX:NEO                        ZEKBAI 75,69,70
                scu-rat TDLo:2000 mg/kg/76WI TFX:NEO                       ZEKBAI 75,69,70

RP54250. 1,2-OXATHIOLANE 2,2-DIOXIDE
          CAS: 001120714      MW: 122.15          MOLFM: O3-S-C3-H6
          WLN: T5OSWTJ
          SYN: 1-PROPANESULFONIC ACID-3-HYDROXY-gamma-SULTONE   *  1,3-PROPANE SULTONE
               *  PROPANESULTONE   *
          TXDS: orl-rat TDLo:1050 mg/kg/35WC TFX:CAR                       ZEKBAI 75,69,70
                scu-rat TDLo:15 mg/kg TFX:CAR                              ZEKBAI 75,69,70
                ivn-rat LD50:80 mg/kg                                      TCIA** -,45,73
                ivn-rat TDLo:20 mg/kg/(15D Preg) TFX:TER                   TCIA** -,45,73
                scu-mus TDLo:370 mg/kg/31WI TFX:NEO                        JNCIAM 46,143,71

RP59500. 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE
          CAS: 000050180      MW: 261.11          MOLFM: N2-O2-P-C12-C7-H15
          WLN: T6NPOTJ BO BN2G2G
          SYN: B 518   *  1-BIS(2-CHLOROETHYL)-AMINO-1-OXO-2-AZA-5-OXAPHOSPHORIDIN   *  2-
               (BIS(2-CHLOROETHYL)AMINO)-2H-1,3,2-OXAZAPHOSPHORINE 2-OXIDE   *  2-(BIS(2-
               CHLOROETHYL)AMINO)TETRAHYDRO-2H-1,3,2-OXAZAPHOSPHORINE-2-OXIDE   *  BIS(2-
               CHLOROETHYL)PHOSPHORAMIDE cyclic PROPANOLAMIDE ESTER   *  N,N-BIS(2-CHLOROETHYL)
               -N'-(3-HYDROXYPROPYL)PHOSPHORDIAMIDIC ACID CYCLIC ESTER MONOHYDRATE   *  N,
               N-BIS(2-CHLOROETHYL)-N',O-PROPYLENEPHOSPHORIC ACID ESTER DIAMIDE   *  N,
               N-BIS[beta-CHLOROETHYL]-N',O-PROPYLENE PHOSPHORIC ACID ESTER AMIDE   *  N,
               N-BIS(beta-CHLOROETHYL)-N',O-PROPYLENE PHOSPHORIC ACID ESTER DIAMIDE MONOHYDRATE
               N,N-BIS(beta-CHLOROETHYL)-N',O-TRIMETHYLENEPHOSPHORIC ACID ESTER DIAMIDE
                  *  CLAFEN   *  CY   *  CYCLOPHOSPHAMID   *  CYCLOPHOSPHAMIDE   *  CYCLOPHOSPHAN
                  *  CYCLOPHOSPHANE   *  CYTOXAN   *  N,N-DI(2-CHLOROETHYL)AMINO-N',O-PROPYLENE
               PHOSPHORIC ACID ESTER DIAMMIDE   *  ENDOXAN   *  ENDOXANE   *  GENOXAL   *  NSC
               26271   *  2-OXIDE   *  PHOSPHORODIAMIDIC ACID, N,N-BIS(2-CHLOROETHYL)-N'-
               (3-HYDROXYPROPYL)-, intramol. ESTER   *
          TXDS: orl-wmn TDLo:45 mg/kg TFX:GLN                              ARHEAW 15,530,72
                orl-rat LD50:94 mg/kg                                      TXAPA9 4,324,62
                ipr-rat LD50:40 mg/kg                                      CPCHAO 18,307,62
                ipr-rat TDLo:15 mg/kg/(11 D preg) TFX:TER                  CPCHAO 18,307,62
                ivn-rat LD50:160 mg/kg                                     12VXA5 8,313,68
                ivn-mus TDLo:165 mg/kg/10WI TFX:CAR                        ARZNAD 20,1461,70
                ivn-rat TDLo:165 mg/kg/1YI TFX:NEO                         OIBP** 3,5,70
                unk-rat TDLo:7 mg/kg/(11D preg) TFX:TER          A         BZNAD 15,1222,65
                ipr-mus LDLo:240 mg/kg                                     TXAPA9 23,288,73
                ipr-mus TDLo:150 mg/kg/15WI TFX:NEO                        GANNA2 56,537,65
                ipr-mus TDLo:20 mg/kg/(10D preg) TFX:TER                   TJADAB 1,393,68
                ipr-mus TDLo:210 mg/kg TFX:MUT                             HUMAN*
                scu-mus TDLo:1352 mg/kg/1YI TFX:CAR                        ARZNAD 20,1461,70

RP64000. 1,3-OXAZINE, 3-NITROSO-TETRAHYDRO-
                              MW: 116.12          MOLFM: N2-O2-C4-H8
          SYN: N-NITROSOTETRAHYDROOXAZIN-1,3 (German)   *  N-NITROSO-TETRAHYDRO-1,3-OXAZINE
               *
          TXDS: orl-rat LD50:600 mg/kg                                     ZEKBAI 81,217,74
                orl-rat TDLo:2900 mg/kg/23WI TFX:CAR                       ZEKBAI 81,217,74
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RQ24500. 2-OXAZOLIDINONE
CAS: 000497256 MW: 87.09 MOLFM: N-O2-C3-H5
WLN: T5MVOJ
SYN: CARBAMIC ACID, (2-HYDROXYETHYL)-, gamma-LACTONE * OXAZOLIDONE *
TXDS: ipr-mus TDLo:400 mg/kg/20W TFX:NEO BCPCA6 2,168,57

RQ40250. OXAZOLIDONE see:RQ24500 2-OXAZOLIDINONE

RQ68250. OXETANE
CAS: 000503300 MW: 58.09 MOLFM: O-C3-H6
WLN: T4OTJ
SYN: TRIMETHYLENE OXIDE *
TXDS: scu-rat TDLo:50 mg/kg TFX:CAR FCTXAV 6,576,68

RQ73500. 2-OXETANONE
CAS: 000057578 MW: 72.04 MOLFM: O2-C3-H4
WLN: T4OVTJ
SYN: BETAPRONE * BPL * HYDRACRYLIC ACID,beta,LACTONE * 3-HYDROXYPROPIONIC ACID LACTONE * 2-OXETANONE * PROPANOLIDE * PROPIOLACTONE * beta-PROPIOLACTONE * PROPIONIC ACID, 3-HYDROXY-, beta-LACTONE * bet beta-PROPIONOLACTONE * beta-PROPROLACTONE *
TXDS: orl-rat LDLo:50 mg/kg KODAK* -,-,71
orl-rat TDLo:3500 mg/kg/70WI TFX:CAR JNCIAM 37,825,66
scu-rat TDLo:20 mg/kg/34W TFX:CAR BJCAAI 15,85,61
itr-rat TDLo:180 mg/kg/30W TFX:CAR BJCAAI 20,134,66
skn-mus TDLo:2700 mg/kg/27W TFX:CAR BJCAAI 10,357,56
ipr-mus LDLo:3 mg/kg TXAPA9 23,288,72
scu-mus TDLo:69 mg/kg/43W TFX:CAR BJCAAI 19,392,65
ivn-mus LD50:345 mg/kg 12VXA5 8,873,68
skn-gpg TDLo:56400 mg/kg/141W TFX:CAR BJCAAI 20,200,66
skn-ham TDLo:12865 mg/kg/62W TFX:CAR BJCAAI 20,200,66
U.S. OCCUPATIONAL STANDARD USOS-carcinogen PEREAC 39,3756,74

RQ77000. 2-OXETANONE, 3,3-DIPHENYL-
CAS: 016230710 MW: 224.27 MOLFM: O2-C15-H12
WLN: T4OVTJ CR& CR
SYN: 2,2-DIPHENYL-3-HYDROXYPROPIONIC ACID LACTONE * 3,3-DIPHENYL-2-OXETANONE * alpha,alpha-DIPHENYL-beta-PROPIOLACTONE *
TXDS: scu-rat TDLo:152 mg/kg/19W TFX:CAR BJCAAI 15,85,61

RQ78750. 2-OXETANONE, 4-ISOPROPYLIDENE-3,3-DIMETHYL-
CAS: 003173793 MW: 140.20 MOLFM: O2-C8-H12
WLN: T4VOY DHJ CUY D D
SYN: 3-HYDROXY-2,2,4-TRIMETHYL-3-PENTENOIC ACID, beta-LACTONE * 4-ISOPROPYLIDENE-3,3-DIMETHYL-2-OXETANONE *
TXDS: scu-rat TDLo:39 gm/kg/78W TFX:NEO JNCIAM 39,1213,67

RQ80500. 2-OXETANONE, 4-METHYL-
CAS: 003068880 MW: 86.70 MOLFM: O2-C4-H6
WLN: T4OVTJ D
SYN: beta-BUTYROLACTONE * 4-METHYL-2-OXETANONE *
TXDS: orl-rat TDLo:35 gm/kg/70WI TFX:CAR JNCIAM 37,825,66
scu-rat TDLo:38 gm/kg/78W TFX:NEO JNCIAM 39,1213,67
skn-mus TDLo:59 gm/kg/49WI TFX:CAR JNCIAM 35,707,65
scu-mus TDLo:240 mg/kg/61W TFX:CAR JNCIAM 37,825,66

RQ84900. 2-OXIDE see:RF59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

RQ85000. OXIDE of CHROMIUM see:GB64750 CHROMIUM(3+) OXIDE

RQ92750. OXIN see:VC42000 8-QUINOLINOL

RQ94500. OXINE see:VC42000 8-QUINOLINOL

RR01870. 2-OXI-PROPYL-PROPYLNITROSAMIN (German) see:UI45500 PROPYLAMINE, N-(2-OXOPROPYL)-N-NITROSO-

RR07000. OXIRANE, PHENYL- see:CZ96250 BENZENE, (EPOXYETHYL)-

RR14000. 5-OXO-5H-BENZO(e)ISOCHROMENO(4,3-b)INDOLE see:DE54250 BENZO(e)(2)BENZOPYRANO(4,3-b)INDOLE, 5-OXO-5,13-DIHYDRO-

RR14900. 2-OXO-1,2-BENZOPYRAN see:GN42000 COUMARIN

RR17500. N-(6-OXO-6H-DIBENZO(b,d)PYRAN-1-YL)ACETAMIDE see:HP87500 6H-DIBENZO(b,d)PYRAN-6-ONE, 2-ACETAMIDO-

RR19250. 5-OXO-5,13-DIHYDROBENZO(e)(2)BENZOPYRANO(4,3-b)INDOLE see:DE54250 BENZO(e)(2)BENZOPYRANO(4,3-b)INDOLE, 5-OXO-5,13-DIHYDRO-

RR21000. 8-OXO-8,13-DIHYDROBENZO(g) (2) BENZOPYRANO(4,3-b) INDOLE see:DE56000
BENZO(g) (2) BENZOPYRANO(4,3-b) INDOLE, 8-OXO-8,13-DIHYDRO-

RR22750. N-(9-OXO-2-FLUORENYL) ACETAMIDE see:AC70000 ACETAMIDE, N-(9-OXO-2-FLUORENYL)-

RR24500. 4-OXOHEPTANEDIOIC ACID, ISONICOTINOYL HYDRAZONE see:HI98000 HEPTANEDIOIC ACID, 4-OXO-,
ISONICOTINOYL HYDRAZONE

RR36750. 8-OXO-8H-ISOCHROMENO(4',3':4,5) PYRROLO(2,3-f) QUINOLINE see:DE56000
BENZO(g) (2) BENZOPYRANO(4,3-b) INDOLE, 8-OXO-8,13-DIHYDRO-

RR43750. OXOMETHANE see:LP89250 FORMALDEHYDE

RR53400. 2-OXO-PROPYL-PROPYLNITROSAMINE see:UI45500 PROPYLAMINE, N-(2-OXOPROPYL)-N-NITROSO-

RR55200. (2-OXOPROPYL) PROPYLNITROSOAMINE see:UI45500 PROPYLAMINE, N-(2-OXOPROPYL)-N-NITROSO-

RR68250. OXYBENZENE see:SJ33250 PHENOL

RR94500. OXYCHINOLIN see:VC42000 8-QUINOLINOL

RR99100. OXYDE DE CHLORETHYLE (French) see:KW08750 ETHER, BIS(2-CHLOROETHYL)-

RS14350. N-OXYD-LOST (German) see:IA22000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE

RS21900. OXYLAN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

RS22750. OXYLITE see:DM85750 BENZOYL PEROXIDE

RS28000. OXYMETHYLENE see:LP89250 FORMALDEHYDE

RS34000. OXY-NH2 see:IA22000 DIETHYLAMINE, 2,2'-DICHLORO-N-METHYL-, N-OXIDE

RS54250. 8-OXYQUINOLINE see:VC42000 8-QUINOLINOL

RS82150. OZON (Polish) see:RS82250 OZONE

RS82250. OZONE
CAS: 0100 28156 MW: 48.00 MOLFM: O3
WLN: OOO
SYN: OZON (Polish) * TRIATOMIC OXYGEN *
TXDS: ihl-man TCLo:1860 ppb/75M TFX:CNS AEHLAU 10,517,65
ihl-hmn TCLo:100 ppb TFX:IRR HPAOAM 11,649,39
ihl-hmn TCLo:1 ppm TFX:PUL AEHLAU 10,295,65
ihl-rat LC50:4.8 ppm/4H AMIHAB 15,181,57
ihl-mus LC50:3.8 ppm/4H AMIHAB 15,181,57
ihl-mus TCLo:4.5 ppm/50MI TFX:NEO AEHLAU 20,16,70
ihl-ham LC50:10.5 ppm/4H AMIHAB 15,181,57
U.S. OCCUPATIONAL STANDARD OSOS-air:TWA 200 ug/m3 FEREAC 37,22139,72

RS98000. PABS see:WO84000 SULFANILAMIDE

RT31500. PALESTROL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

RT54250. PALONYL see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

RT66500. L-PAM see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL) AMINO) PHENYL)-, L-

RT87500. PANAM see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

RU16500. PANORMA D-31 see:IO17500 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-
6,7-EPOXY-1,4,4a,5,6,7,8,8a-OCTAHYDRO-, ENDO-EXO-

RU63000. PAPER RED BRR see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID,
3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

RU70000. PARAACETALDEHYDE see:YK05250 s-TRIOXANE, 2,4,6-TRIMETHYL-

RU78750. PARACETALDEHYDE see:YK05250 s-TRIOXANE, 2,4,6-TRIMETHYL-

RU85750. PARACIDE see:CZ45500 BENZENE, p-DICHLORO-

RU92750. PARADI see:CZ45500 BENZENE, p-DICHLORO-

RU94500. PARADICHLOROBENZENE see:CZ45500 BENZENE, p-DICHLORO-

RV01750. PARADOW see:CZ45500 BENZENE, p-DICHLORO-

RV03500. PARAFFIN
CAS: MX8002742
TXDS: imp-mus TDLo:600 mg/kg TFX:NEO BJCAAI 22,825,68

RV09500. PARAL see:YK05250 s-TRIOXANE, 2,4,6-TRIMETHYL-

RV10400. PARALDEHYD (German) see:YK05250 s-TRIOXANE, 2,4,6-TRIMETHYL-

RV10500. PARALDEHYDE see:YK05250 s-TRIOXANE, 2,4,6-TRIMETHYL-

RV10600. PARALDEIDE (Italian) see:YK05250 s-TRIOXANE, 2,4,6-TRIMETHYL-

RV25000. PARAMINE BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

RV26250. PARAMINE BLUE 3B see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

RV40250. PARAMOTH see:CZ45500 BENZENE, p-DICHLORO-

RV45000. PARANAPHTHALENE see:CA93500 ANTHRACENE

RV47250. PARA ORANGE see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

RV80500. PARASCORBIC ACID see:UQ05250 2H-PYRAN-2-ONE, 5,6-DIHYDRO-6-METHYL-

RV82250. PARASORBIC ACID see:UQ05250 2H-PYRAN-2-ONE, 5,6-DIHYDRO-6-METHYL-

RV93000. PARANITROSODIMETHYLANILIDE see:BX71750 ANILINE, N,N-DIMETHYL-p-NITROSO-

RW26250. PARIS YELLOW see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

RW57750. PARZATE see:ZH33250 ZINC, (ETHYLENEBIS(DITHIOCARBAMATO)-

RW59700. PARZATE ZINEB see:ZH33250 ZINC, (ETHYLENEBIS(DITHIOCARBAMATO))-

RW71750. PATENT BLUE AE see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

RW73500. PATENT BLUE V see:IB91000 (4-(alpha-(p-(DIETHYLAMINO)PHENYL)-2,4-DISULFOBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLI= DENE)DIETHYLAMMONIUM HYDROXIDE inner salt, SODIUM SALT

RW75250. PATENT BLUE 2Y see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

RW80500. PATULIN see:LV26250 4H-FURO(3,2-c)PYRAN-2(6H)-ONE, 4-HYDROXY-

RX03500. PCB see:NZ33000 KANECHLOR 400, NZ33500 KANECHLOR 500, CF56000 AROCLOR 1221, CF57750 AROCLOR 1232, CF59500 AROCLOR 1242, CF61250 AROCLOR 1254, CF62000 AROCLOR 1260

RX07000. PCHO see:YK05250 s-TRIOXANE, 2,4,6-TRIMETHYL-

RX10500. PCNB see:DA66500 BENZENE, PENTACHLORONITRO-

RX22750. PDB see:CZ45500 BENZENE, p-DICHLORO-

RX28000. PEACOCK BLUE X-1756 see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

RX52500. P.E.G. 400 see:TQ35000 POLYETHYLENE GLYCOL

RX73500. PELAGOL GREY J see:XS96250 TOLUENE-2,4-DIAMINE

RX78750. PELAGOL J see:XS96250 TOLUENE-2,4-DIAMINE

RX89250. PELAZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

RY17500. PENCIL GREEN SF see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

RY19250. PENCILLIC ACID see:HM26250 2,5-HEXADIENOIC ACID, 3-METHOXY-5-METHYL-4-OXO-

RY21000. PENCILLIN G see:XH96250 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-

RY31500. PENICIDIN see:LV26250 4H-FURO(3,2-c)PYRAN-2(6H)-ONE, 4-HYDROXY-

RY42000. PENICILLIC ACID see:HM26250 2,5-HEXADIENOIC ACID, 3-METHOXY-5-METHYL-4-OXO-

RY54250. PENICILLIN G see:XH96250 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-

RY59400. PENICILLIN G, SODIUM see:XH98000 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYL= ACETAMIDO)-, MONOSODIUM SALT

RY59500. PENICILLIN G, SODIUM SALT see:XH98000 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYL= ACETAMIDO)-, MONOSODIUM SALT

RY61250. PENICILLINIC ACID, BENZYL- see:XH96250 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-

RY73500. PENILARYN see:XH98000 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYL= ACETAMIDO)-, MONOSODIUM SALT

RY98000. PENTACHLORIN see:KJ33250
ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

RZ07000. PENTACHLORONITROBENZENE see:DA66500 BENZENE, PENTACHLORONITRO-

RZ24700. 1,3-PENTADIENE-1-CARBOXYLIC ACID see:WG21000 SORBIC ACID

RZ39000. PENTAHYDROXY-TIGLIADIENONE-MONOACETATE(c)MONOMYRISTATE(b) see:GZ06300 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a-beta,1b-alpha,4,4a,7a-beta,7b,8,9,9a- DECAHYDRO-4a-alpha,7b-beta,9-alpha,9a-beta-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-beta- TETRAMETHYL-, 9a-ACETATE 9-MYRISTATE

SA03700. PENTANE, 1,2:4,5-DIEPOXY-
MW: 100.13 MOLFM: O2-C5-H8
TXDS: skn-mus TDLo:70 gm/kg/58WI TPX:CAR JNCIAM 35,707,65

SB14900. PENTECH see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

SB33250. 2-PENTENOIC ACID, 4-HYDROXY-, gamma-LACTONE
CAS: 000591117 MW: 98.11 MOLFM: O2-C5-H6
WLN: T5OV EHJ E
SYN: beta-ANGELICA LACTONE * 4-HYDROXYPENT-2-ENOIC ACID LACTONE *
TXDS: scu-rat TDLo:2600 mg/kg/65W TPX:NEO BJCAAI 19,392,65
ipr-mus LD50:750 mg/kg APTOA6 2,109,46

SC12250. PENTYLAMINE, N-METHYL-N-NITROSO-
CAS: 013256070 MW: 130.22 MOLFM: N2-O-C6-H14
WLN: ONN5&1
SYN: METHYLAMYLNITROSAMINE * N-METHYL-N-NITROSOPENTYLAMINE *
TXDS: orl-rat TDLo:330 mg/kg/31WI TPX:CAR ARZNAD 19,1077,69

SC35000. n-PENTYLNITROSOUREA see:YU01750 UREA, n-PENTYL-NITROSO-

SC72600. PERBENZOATE DE BUTYLE TERTIAIRE (French) see:SD94500 PEROXYBENZOIC ACID, t-BUTYL ESTER

SD07500. PERCHLORMETHYLMERKAPTAN (Czech) see:PB52500 METHANETHIOL, TRICHLORO-

SD08250. PERCHLORO-2-CYCLOBUTENE-1-ONE see:GU18500 CYCLOBUTEN-1-ONE, TETRACHLORO-

SD12250. PERCHLOROMETHANE see:FG49000 CARBON TETRACHLORIDE

SD14000. PERCHLOROMETHANETHIOL see:PB52500 METHANETHIOL, TRICHLORO-

SD15750. PERCHLOROMETHYL MERCAPTAN see:PB52500 METHANETHIOL, TRICHLORO-

SD17500. PERCHLOROPENTACYCLO(5.2.1.0(sup 2,6).0(sup 3,9).0(sup 5,8))DECANE see:PC82250 1,3,4-METHENO-1H-CYCLOBUTA(cd)PENTALENE, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-= DODECACHLOROOCTAHYDRO-

SD20200. PERCIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

SD24500. PERCORTEN see:HG05250 11ODEOXYCORTICOSTERONE, ACETATE

SD26250. PERCOTOL see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

SD27000. PERCUTACRINE ANDROGENIQUE see:XA30300 TESTOSTERONE

SD28000. PERCUTATRINE OESTROGENIQUE ISCOVESCO see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

SD50500. PERLATAN see:KG85750 ESTRONE

SD50750. PERLEX PASTE 500 see:OG36750 LEAD(II) PHOSPHATE (3:2)

SD52500. PERLEX PASTE 600A see:OG36750 LEAD(II) PHOSPHATE (3:2)

SD55000. PERLON see:RF52500 NYLON

SD75250. PEROPYRENE see:HP59500 DIBENZO(cd,lm)PERYLENE

SD76000. PERossido DI BENZOILE (Italian) see:DM85750 BENZOYL PEROXIDE

SD76050. PERossido DI BUTILE TERZIARIO (Italian) see:ER24500 t-BUTYL PEROXIDE

SD77000. PEROVEX see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

SD84500. PEROXYDE DE LAUROYLE (French) see:OF26250 LAUROYL PEROXIDE

SD85750. 1,4-PEROXIDO-p-MENTHENE-2 see:OT01750 p-MENTH-2-ENE, 1,4-EPIDIOXY-

SD89750. PEROXYACETIC ACID, SODIUM SALT
MW: 99.05 MOLFM: O3-C2-H4 .Na
WLN: OOV1 E-NA-
TXDS: ihl-mus TDLo:317 mg/kg TFX:NEO RARSAM 3,193,63

SD94500. PEROXYBENZOIC ACID, t-BUTYL ESTER
CAS: 000614459 MW: 194.25 MOLFM: O3-C11-H14
WLN: 1XOOVR
SYN: terc.BUTYLPERBENZOAN (Czech) * t-BUTYL PERBENZOATE * t-BUTYL PEROXY BENZOATE * PERBENZOATE DE BUTYLE TERTIAIRE (French) *
TXDS: orl-rat LDLo:4160 mg/kg 28ZPAK -,52,72
orl-mus LD50:2500 mg/kg BSPII* 1/75-19B
ihl-mus TDLo:241 mg/kg TFX:NEO RARSAM 3,193,63

SD95000. PEROXYBENZOIC ACID, p-NITRO-
MW: 183.1 MOLFM: N-O5-C7-H5
SYN: p-NITROPEROXYBENZOIC ACID *
TXDS: scu-mus TDLo:230 mg/kg/57WI TFX:NEO CNREA8 30,1037,70

SD95250. PEROXYDE DE BENZOYLE (French) see:DM85750 BENZOYL PEROXIDE

SD95300. PEROXYDE DE BUTYLE TERTIAIRE (French) see:ER24500 t-BUTYL PEROXIDE

SF21000. PERSISTOL see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

SF22750. PERSISTOL HO 1/193 see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

SF71750. PETROLEUM
SYN: COAL OIL * CRUDE OIL * MINERAL OIL * ROCK OIL * SENECA OIL *
TXDS: skn-mus TDLo:40 gm/kg/10W TFX:NEO BECCAN 39,420,61

SF73500. PETROLEUM ASPHALT
TXDS: skn-mus TDLo:459 gm/kg/51W TFX:NEO IMSUAI 34,255,65

SF75700. PETROL ORANGE Y see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

SF76300. PETROL YELLOW WT see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

SF04200. PHANANTIN see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

SF04800. PHANATINE see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

SF08300. PHARMACID GREEN S see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

SF35000. PHENACITE see:VV89250 SILICIC ACID, BERYLLIUM SALT

SF55200. PHENAEMAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SF57750. PHENAKITE see:VV89250 SILICIC ACID, BERYLLIUM SALT

SF61250. PHENALENO(1,9-gh)QUINOLINE
CAS: 000189924 MW: 253.31 MOLFM: N-C19-H11
WLN: T D6 B6666 2AB T ENJ
SYN: PYRENOLINE * PYRIDO(2',3':4)PYRENE *
TXDS: scu-mus TDLo:72 mg/kg/13WI TFX:NEO COREAP 258,3387,64

SF64000. PHENAMINE BLUE BB see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

SF64750. PHENAMINE, TETRAHYDRO-N-METHYL-N-NITROSO-3-THIO-, 1,1-DIOXIDE
CAS: 013256218 MW: 178.21 MOLFM: N2-O3-S-C5-H10
SYN: N-NITROSOMETHYLAMINOSULFOLANE * TETRAHYDRO-N-METHYL-N-NITROSO-3-THIOPHENAMINE 1,1-DIOXIDE *
TXDS: orl-rat TDLo:2700 mg/kg/48WI TFX:CAR ARZNAD 19,1077,69

SF70000. 9,10-PHENANTHRAQUINONE see:SF78750 PHENANTHRENEQUINONE

SF70700. PHENANTHRA-ACENAPHTHENE see:QI94000 NAPHTH(1,2-k)ACEPHENANTHRYLENE, 4,5-DIHYDRO-

SF73500. PHENANTHRENE, 9,10-DIHYDRO-9,10-DIOXO- see:SF78750 PHENANTHRENEQUINONE

SF77000. 9,10-PHENANTHRENEDIONE see:SF78750 PHENANTHRENEQUINONE

SF78750. PHENANTHRENEQUINONE
CAS: 000084117 MW: 208.22 MOLFM: O2-C14-H8
WLN: L B666 HVVJ
SYN: 9,10-PHENANTHRAQUINONE * 9,10-PHENANTHRENEDIONE * PHENANTHRENE, 9, 10-DIHYDRO-9,10-DIOXO- * 9,10-PHENANTHRENEQUINONE *
TXDS: skn-mus TDLo:2000 mg/kg/28WC TFX:NEO PIATA8 16,309,40

SF79250. PHENANTHRENE, TETRAMETHYL-, RUTHENIUM SALT
SYN: RUTHENIUM SALT of TETRAMETHYLPHENANTHRENE *
TXDS: scu-mus TDLo:1000 mg/kg/I TFX:NEO BECCAN 40,30,62

SF85250. PHENANTHRO(2,1-d)THIAZOLE
CAS: 000219421 MW: 235.31 MOLFM: N-S-C15-H9
TXDS: skn-mus TDLo:400 mg/kg/13WI TFX:NEO VOONAW 15(8),54,69

SF85750. PHENANTHRO(2,1-d)THIAZOLE, 2-METHYL-
CAS: 021917919 MW: 249.34 MOLFM: N-S-C16-H11
SYN: 2-METHYLPHENANTHRO(2,1-d)THIAZOLE *
TXDS: skn-mus TDLo:800 mg/kg/31WI TFX:NEO VOONAW 14,56,68

SF87500. N-2-PHENANTHRYLACETAMIDE see:AC71750 ACETAMIDE, N-2-PHENANTHRYL-

SF89250. N-3-PHENANTHRYLACETAMIDE see:AC73500 ACETAMIDE, N-3-PHENANTHRYL-

SF91000. N-9-PHENANTHRYLACETAMIDE see:AC75250 ACETAMIDE, N-9-PHENANTHRYL-

SF92750. N-2-PHENANTHRYLACETOHYDROXAMIC ACID see:AL10500 ACETOHYDROXAMIC ACID, N-2-PHENANTHRYL-

SF94500. 1-PHENANTHRYLAMINE
CAS: 004176538 MW: 193.26 MOLFM: N-C14-H11
WLN: L B666J FZ
SYN: 1-AMINOPHENANTHRENE *
TXDS: orl-rat TDLo:540 mg/kg/9DI TFX:NEO ZEKBAI 72,321,69

SF96250. 2-PHENANTHRYLAMINE
CAS: 003366652 MW: 193.26 MOLFM: N-C14-H11
WLN: L B666J EZ
SYN: 2-AMINOPHENANTHRENE *
TXDS: orl-rat TDLo:400 mg/kg/9DI TFX:NEO ZEKBAI 72,321,69

SF98000. 3-PHENANTHRYLAMINE
CAS: 001892542 MW: 193.26 MOLFM: N-C14-H11
WLN: L B666J DZ
SYN: 3-AMINOPHENANTHRENE *
TXDS: orl-rat TDLo:400 mg/kg/9DI TFX:NEO ZEKBAI 72,321,69

SG01750. 9-PHENANTHRYAMINE
CAS: 000947739 MW: 193.26 MOLFM: N-C14-H11
WLN: L B66J BZ
SYN: 9-AMINOPHENANTHRENE *
TXDS: orl-rat TDLo:400 mg/kg/9DI TFX:NEO ZEKBAI 72,321,69

SG11200. PHENATINE see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

SG11800. PHENATOINE see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

SG13600. PHENAZINE
CAS: 000092820 MW: 180.22 MOLFM: N2-C12-H8
WLN: T C666 BN INJ
SYN: AZOPHENYLENE * DIBENZOPARADIAZINE * DIBENZOPYRAZINE *
TXDS: imp-rat TDLo:7 mg/kg TFX:NEO CORFAF 240,1738,55

SG17500. PHENAZITE see:VV89250 SILICIC ACID, BERYLLIUM SALT

SG29750. PHENAZOPYRIDINE see:US77000 PYRIDINE, 2,6-DIAMINO-3-(PHENYLAZO)-

SG45500. PHENE see:CY14000 BENZENE

SG56000. PHENEMAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SG58500. PHENEMALUM see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SI52500. PHENETHYLENE OXIDE see:CZ96250 BENZENE, (EPOXYETHYL)-

SI57750. N-(p-PHENETHYL)PHENYLACETOHYDROXAMIC ACID see:AL12250 ACETOHYDROXAMIC ACID, N-(p-PHENETHYL)PHENYL-

SI75250. p-PHENETOLCARBAMIDE see:YT22750 UREA, (p-ETHOXYPHENYL)-

SI84000. p-PHENETYLUREA see:YT22750 UREA, (p-ETHOXYPHENYL)-

SI92750. PHENIC ACID see:SJ33250 PHENOL

SJ17500. PHENOBAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SJ22750. PHENOBARBITAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SJ26250. PHENOBARBITONE see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SJ28800. PHENOBARBYL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SJ29000. PHENO BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

SJ33250. PHENOL
CAS: 000108952 MW: 94.12 MOLFM: O-C6-H6
WLN: QR
SYN: ACIDE CARBOLIQUE (French) * BAKER'S P AND S LIQUID AND OINTMENT * CARBOLIC ACID * FENOL (Dutch, Polish) * FENOLO (Italian) * HYDROXYBENZENE * MONOHYDROXYBENZENE * OXYBENZENE * PHENIC ACID * PHENYL HYDRATE * PHENYL HYDROXIDE * PHENYLIC ACID * PHENYLIC ALCOHOL *
TXDS: orl-hmn TDLo:14 mg/kg TFX:GIT 14CYAT -,1370,-
orl-hmn LDLo:140 mg/kg 29ZWAE -,329,68
orl-rat LD50:414 mg/kg BIOFX* 27-4/73
skn-rat LD50:669 mg/kg BJIMAG 27,155,70
ipr-rat LD50:250 mg/kg BJPCEM 13,20,58
scu-rat LDLo:650 mg/kg 27ZSAM 4,1319,-
orl-mus LD50:300 mg/kg JPETAB 88,400,46
skn-mus TDLo:4000 mg/kg/20WI TFX:CAR CNREA8 19,413,59
scu-mus LD50:344 mg/kg INHEAO 5,143,67
scu-cat LDLo:80 mg/kg JPETAB 80,233,44
ivn-cat LDLo:50 mg/kg PHMCAA 11,2,69
orl-rbt LDLo:420 mg/kg JPETAB 80,233,44
skn-rbt LDLo:2000 mg/kg JPETAB 80,233,44
ipr-rbt LDLo:620 mg/kg JPETAB 80,233,44
scu-rbt LDLo:620 mg/kg JPETAB 80,233,44
ivn-rbt LDLo:180 mg/kg JPETAB 80,233,44
ipr-gpg LDLo:300 mg/kg 27ZRAJ 1,-,56
scu-gpg LDLo:450 mg/kg 27ZRAJ 1,-,56
par-frg LDLo:290 mg/kg AEPPAE 166,437,32
U.S. OCCUPATIONAL STANDARD OSOS-air:TWA 5 ppm(skin) PEREAC 37,22139,72

SJ40250. PHENOL, o-ALLYL- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:8400 mg/kg/30WI TFX:NEO CNREA8 19,413,59

SJ63500. PHENOL, 4-(p-AMINOPHENYLAZO)-
MW: 211.24 MOLFM: N3-O-C12-H9
TXDS: orl-rat LD50:1950 mg/kg AABIAV 52,33,63
orl-rat TDLo:26 gm/kg/2YC TFX:CAR AABIAV 52,33,63
ipr-rat LD50:300 mg/kg AABIAV 52,33,63
idr-rat TDLo:100 mg/kg AABIAV 52,33,63

SJ84000. PHENOL, p-BROMO- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:7200 mg/kg/18WI TFX:NEO CNREA8 19,413,59

SJ94500. PHENOL, o-BUTYL- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:3800 mg/kg/12WI TFX:NEO CNREA8 19,413,59

SJ96250. PHENOL, p-BUTYL- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:3800 mg/kg/12WI TFX:NEO CNREA8 19,413,59

SK26250. PHENOL, o-CHLORO-
CAS: 000095578 MW: 128.50 MOLFM: O-Cl-C6-H5
WLN: QR BG
SYN: o-CHLOROPHENOL * 2-CHLOROPHENOL * o-CHLORPHENOL (German) * PHENOL, 2-CHLORO- *
TXDS: orl-rat LD50:670 mg/kg FEPRA7 2,76,43
ipr-rat LD50:230 mg/kg BJPCBM 13,20,58
scu-rat LD50:950 mg/kg FEPRA7 2,76,43
orl-mus LD50:670 mg/kg TIVSAI 33,258,69
skn-mus TDLo:38 gm/kg/12WI TFX:NEO PAACA3 3,8,59
scu-rbt LDLo:950 mg/kg HBAMAK 4,1361,35
scu-gpg LDLo:800 mg/kg HBAMAK 4,1361,35
orl-mam LD50:440 mg/kg TIVSAI 33,258,69

SK29750. PHENOL, 2-CHLORO- see:SK26250 PHENOL, o-CHLORO-

SK38500. PHENOL, m-CHLORO- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:6000 mg/kg/15WI TFX:NEO CNREA8 19,415,59

SK40250. PHENOL, o-CHLORO- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:6000 mg/kg/15WI TFX:CAR CNREA8 19,413,59

SK43750. PHENOL, 4-CHLORO-2-HEXYL- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:8400 mg/kg/21WI TFX:NEO CNREA8 19,413,59

SK61250. PHENOL, 2-CROTENYL- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:3800 mg/kg/12WI TFX:NEO CNREA8 19,413,59

SK73500. PHENOL, 2,6-DIALLYL with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:4600 mg/kg/12WI TFX:NEO CNREA8 19,413,59

SK85750. PHENOL, 2,4-DICHLORO-
CAS: 000120832 MW: 162.94 MOLFM: O-C12-C6-H4
WLN: QR BG DG
SYN: DCP * 2,4-DICHLOROPHENOL *
TXDS: orl-rat LD50:580 mg/kg FEPRA7 2,76,43
ipr-rat LD50:430 mg/kg BJPCBM 13,20,58
scu-rat LD50:1730 mg/kg FEPRA7 2,76,43
orl-mus LD50:1600 mg/kg TOIZAG 19,356,72
skn-mus TDLo:312 mg/kg/39WI TFX:CAR CNREA8 19,413,59

SK92750. PHENOL, 2,4-DICHLORO- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:1600 mg/kg/39WI TFX:CAR CNREA8 19,413,59

SL06000. PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-
CAS: 000084162 MW: 270.40 MOLFM: O2-C18-H22
WLN: QR DY2& 2
SYN: BIBENZYL, alpha,alpha'-DIETHYL-4,4'-DIHYDROXY- * meso-3,4-BIS(p-HYDROXYPHENYL)-n-HEXANE * 3,4-BIS(p-HYDROXYPHENYL)HEXANE * CYCLOESTROL * 4,4'-(1,2-DIETHYLETHYLENE)DIPHENOL * DIHYDRODIETHYLSTILBESTROL * DIHYDROSTILBESTROL * 4,4'-DIHYDROXY-alpha,beta-DIETHYLDIPHENYLETHANE * 4,4'-DIHYDROXY-gamma,delta-DIPHENYLHEXANE * gamma,delta-DI-(p-HYDROXYPHENYL)-HEXANE * meso-3,4-DI(p-HYDROXYPHENYL)-n-HEXANE * EXTRA-PLEX * HEXANE, 3,4-BIS(p-HYDROXYPHENYL)- * HEXANOESTROL * HEXESTROL * meso-HEXESTROL * HEXOESTROL * HORMOESTROL * SINESTROL * STILBESTROL, DIHYDRO- * SYNESTROL * SYNTHOVO * SYNTROGENE * VITESTROL *
TXDS: scu-mus TDLo:74 mg/kg/56WI TFX:CAR VRDEA5 6,46,62
scu-gpg TDLo:74 mg/kg/69WI TFX:NEO VRDEA5 6,46,62
ims-gpg TDLo:30 mg/kg/48WI TFX:NEO VRDEA5 5,83,59

SL40250. PHENOL, o-ETHYL- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:3100 mg/kg/12WI TFX:NEO CNREA8 19,413,59

SL44500. PHENOL, p-(4-ETHYLPHENYLAZO)-
MW: 226.29 MOLFM: N2-O-C14-H14
SYN: 4'-ETHYL-4-HYDROXYAZOBENZENE *
TXDS: orl-rat TDLo:8500 mg/kg/43WC TFX:NEO ARZNAD 12,270,62

SL45500. PHENOL, p-FLUORO with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:10 gm/kg/25WI TFX:CAR CNREA8 19,413,59

SL56000. PHENOL, p-IODO- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:7200 mg/kg/18WI TFX:NEO CNREA8 19,413,59

SL71750. PHENOL, 2-ISOPROPYL-4-METHYL- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:3800 mg/kg/12WI TFX:CAR CNREA8 19,413,59

SM71750. PHENOL, o-(s-PENTYL)- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:4100 mg/kg/12WI TFX:NEO CNREA8 19,413,59

SM73500. PHENOL, p-PENTYL- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:4100 mg/kg/12WI TFX:NEO CNREA8 19,413,59

SM75250. PHENOL, p-(s-PENTYL)- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:4100 mg/kg/12WI TFX:NEO CNREA8 19,413,59

SM85750. PHENOL, 2-PROPENYL- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:3400 mg/kg/12WI TFX:NEO CNREA8 19,413,59

SM98000. PHENOL, p-(1,1,3,3-TETRAMETHYLBUTYL)- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:5300 mg/kg/12WI TFX:NEO CNREA8 19,413,59

SN19250. PHENOL, 2,4,5-TRICHLORO- with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:6700 mg/kg/16WI TFX:NEO CNREA8 19,413,59

SW36750. PHENOLURIC see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SW37300. PHENOLURIO see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SW38500. PHENOMERCURIC ACETATE see:OV64750 MERCURY, (ACETATO)PHENYL-

SW39400. PHENOMET see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SW40250. PHENONE, 2-PROPENO-
MW: 132.17 MOLFM: O-C9-H8
WLN: 1U1VR
SYN: ACRYLOPHENONE * PHENYLVINYL KETONE * 2-PROPENOPHENONE *
TXDS: scu-rat TDLo:2520 mg/kg/63W TFX:CAR BJCAAI 19,392,65

SW42000. PHENONYL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SQ49800. PHENTOIN see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

SQ59500. PHENYLACETAMIDOPENICILLANIC ACID see:XB96250 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-

SQ63000. 4'-PHENYL-o-ACETOTOLUIDE see:AN36750 o-ACETOTOLUIDIDE, 4'-PHENYL-

SQ73500. L-PHENYLALANINE MUSTARD see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-

SQ74000. L-PHENYLALANINE MUSTARD HYDROCHLORIDE see:AY40250 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, MONOHYDROCHLORIDE, L-

SR28000. p-PHENYLANILINE see:DU89250 4-BIPHENYLAMINE

SR33250. p-PHENYLAZOACETANILIDE see:AE63000 ACETANILIDE, p-PHENYLAZO-

SR35000. p-(PHENYLAZO)ANILINE see:BY82250 ANILINE, p-(PHENYLAZO)-

SR36750. 4-(PHENYLAZO)-o-ANISIDINE see:BZ73500 o-ANISIDINE, 4-(PHENYLAZO)-

SR42800. 1-PHENYLAZO-2-NAPHTHOL see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

SR42900. 1-PHENYLAZO-2-NAPHTHOL mixed with 20-METHYLCHOLANTHRENE suspended in PARAFFIN WAX (12%:0.5%:87.5%)
TXDS: imp-mus TDLo:640 mg/kg TFX:NEO BJCAAI 22,825,68

SR43750. PHENYLAZO-2-NAPHTHYLAMINE
CAS: 000085847 MW: 247.32 MOLFM: N3-C16-H13
WLN: L66J BNUNR& CZ
SYN: A.F. YELLOW NO. 2 * 1-BENZENE-AZO-beta-NAPHTHYLAMINE * CERISOL YELLOW AB * C.I. 11380 * C.I. SOLVENT YELLOW 5 * DOLKWAL YELLOW AB * EXT. D AND C YELLOW NO. 9 * FD AND C YELLOW NO. 3 * GRASAL YELLOW * 2-NAPHTHYLAMINE, 1-(PHENYLAZO)- * OIL YELLOW A * OIL YELLOW AB PURE * 1-PHENYLAZO-2-NAPHTHYLAMINE * YELLOW AB *
TXDS: orl-rat TDLo:17.5 mg/kg/DC TFX:NEO JPPHAB 7,591,55

SR45500. 1-PHENYLAZO-2-NAPHTHYLAMINE see:SR43750 PHENYLAZO-2-NAPHTHYLAMINE

SR49000. p-PHENYLAZOPHENYLAMINE see:BY82250 ANILINE, p-(PHENYLAZO)-

SR49800. 4-PHENYLAZO-m-PHENYLENEDIAMINE HYDROCHLORIDE see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

SR55000. 5-PHENYL-1:2-BENZANTHRACENE see:CX29750 BENZ(a)ANTHRACENE, 8-PHENYL-

SR80900. N-PHENYLCARBAMATE D'ISOPROPYLE (French) see:PD91000 CARBANILIC ACID, ISOPROPYL ESTER

SS23000. 2-PHENYLDIAZENECARBOXAMIDE see:PD05750 CARBAMIC ACID, 2-PHENYLHYDRAZIDE

SS64750. 1-PHENYL-3,3-DIMETHYLTRIAZENE see:XY21000 TRIAZENE, 3,3-DIMETHYL-1-PHENYL-

ST29000. m-PHENYLENEDIAMINE, 4-(1-NAPHTHYLAZO)-
CAS: 006416575 MW: 262.34 MOLFM: N4-C16-H14
WLN: L66J BNUNR BZ DZ
SYN: C. I. SOLVENT BROWN 1 *
TXDS: orl-rat TDLo:34 gm/kg/89WC TFX:CAR ZEKBAI 57,530,51

ST33800. m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE
CAS: 000532821 MW: 248.74 MOLFM: N4-C12-H12 .Cl-H
WLN: ZR CZ DNUNR &GH
SYN: ASTRA CHRYSOIDINE R * BRASILAZINA ORANGE Y * BRILLIANT OIL ORANGE Y BASE * CALCOZINE ORANGE YS * CHRYSOIDINE * CHRYSOIDINE A * CHRYSOIDINE B * CHRYSOIDINE C CRYSTALS * CHRYSOIDINE G * CHRYSOIDINE GN * CHRYSOIDINE GS * CHRYSOIDINE HR * CHRYSOIDINE J * CHRYSOIDINE N * CHRYSOIDINE ORANGE * CHRYSOIDINE PRL * CHRYSOIDINE PRR * CHRYSOIDINE SL * CHRYSOIDINE SS * CHRYSOIDINE Y * CHRYSOIDINE Y CRYSTALS *

CHRYSOIDINE YL * CHRYSOIDINE YN * CHRYSOIDINE Y SPECIAL * CHRYSOIDIN FB * CHRYSOIDIN Y * C.I. 11270 * C.I. BASIC ORANGE 2 * C.I. BASIC ORANGE 3 * C.I. BASIC ORANGE 2, MONOHYDROCHLORIDE * 2, 2,4-DIAMINOAZOBENZENE HYDROCHLORIDE * DIAZOCARD CHRYSOIDINE G * LEATHER ORANGE HR * NIPPON KAGAKU CHRYSOIDINE * 4-PHENYLAZO-m-PHENYLENEDIAMINE HYDROCHLORIDE * PURE CHRYSOIDINE YBH * SUGAI CHRYSOIDINE * TERTROPHENE BROWN CG *

TXDS: scu-rat LDLo:400 mg/kg AEXPBL 195,295,40
orl-mus LDLo:1670 mg/kg AEXPBL 195,295,40
orl-mus TDLo:31 gm/kg/52W TPX:CAR AITDAQ 4,189,56
scu-mus LDLo:1670 mg/kg AEXPBL 195,295,40

ST50750. 2,3-PHENYLENEPYRENE see:UR26250 PYRENE, INDENO(1,2,3-cd)-

ST52500. 2,3-o-PHENYLENEPYRENE see:UR26250 PYRENE, INDENO(1,2,3-cd)-

SU22750. PHENYL-ETHYL-BARBITURIC ACID see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SU24500. 5-PHENYL-5-ETHYLBARBITURIC ACID see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SU29750. PHENYLETHYL CARBAMATE see:FD89250 CARBANILIC ACID, ETHYL ESTER

SU36750. PHENYLETHYLENE OXIDE see:CZ96250 BENZENE, (EPOXYETHYL)-

SU61250. PHENYLETHYLMALONYLUREA see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SU98000. PHENYL HYDRATE see:SJ33250 PHENOL

SV02500. 2-PHENYLHYDRAZINECARBOXAMIDE see:FD05750 CARBAMIC ACID, 2-PHENYLHYDRAZIDE

SV07000. PHENYL HYDRIDE see:CY14000 BENZENE

SV10500. PHENYL HYDROXIDE see:SJ33250 PHENOL

SV33250. PHENYLIC ACID see:SJ33250 PHENOL

SV38500. PHENYLIC ALCOHOL see:SJ33250 PHENOL

SV54250. N-PHENYL ISOPROPYL CARBAMATE see:FD91000 CARBANILIC ACID, ISOPROPYL ESTER

SV68250. PHENYLMERCURIACETATE see:OV64750 MERCURY, (ACETATO)PHENYL-

SV70000. PHENYLMERCURIC ACETATE see:OV64750 MERCURY, (ACETATO)PHENYL-

SV85750. PHENYLMERCURY ACETATE see:OV64750 MERCURY, (ACETATO)PHENYL-

SW15000. 3 PHENYL,10 METHYL,7:8 BENZACRIDINE (French) see:CU38600 BENZ(c)ACRIDINE, 7-METHYL-9-PHENYL-

SW31500. 1-PHENYL-3-MONOMETHYL-TRIAZENE see:XY28000 TRIAZENE, 3-MONOMETHYL-1-PHENYL-

SW47250. 2-PHENYLOXIRANE see:CZ96250 BENZENE, (EPOXYETHYL)-

SX27700. 5'-PHENYL-m-TERPHENYL see:WZ65300 m-TERPHENYL, 5'-PHENYL-

SX63000. PHENYLURETHAN(E) see:FD89250 CARBANILIC ACID, ETHYL ESTER

SX63100. N-PHENYLURETHANE see:FD89250 CARBANILIC ACID, ETHYL ESTER

SX64750. PHENYLVINYL KETONE see:SN40250 PHENONE, 2-PROPENO-

SX67400. PHENYRAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SX70000. PHENYTOIN see:HD10500 HYDANTOIN, 5,5-DIPHENYL-

SY03500. PHIX see:OV64750 MERCURY, (ACETATO)PHENYL-

SY17500. PHOB see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

SY28000. PHORBOL see:GZ06000 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a-alpha,1b-beta,4,4a,7a-alpha,7b,8,9,9a-DECAHYDRO-4a-alpha,7b-alpha,9-beta,9a-alpha-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8,-alpha-TETRAMETHYL-

SY28500. PHORBOL ACETATE, CAPRATE see:GZ06100 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a-beta,1b-alpha,4,4a,7a-beta,7b,8,9,9a- DECAHYDRO-4a-alpha,7b-beta,9-alpha,9a-beta-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-beta- TETRAMETHYL-, 9-ACETATE 9a-DECANOATE

SY28600. PHORBOL ACETATE, LAURATE see:GZ06200 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a,1b,4,4a,7a,7b,8,9,9a-DECAHYDRO-4a,7-beta, 9,9a-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-TETRAMETHYL-, 9-ACETATE 9a-LAURATE

SY28700. PHORBOL ACETATE, MYRISTATE see:GZ06300 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a-beta,1b-alpha,4,4a,7a-beta,7b,8,9,9a- DECAHYDRO-4a-alpha,7b-beta,9-alpha,9a-beta-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-beta- TETRAMETHYL-, 9a-ACETATE 9-MYRISTATE

SY33400. PHORBOL LAURATE, (+)-S-2-METHYLBUTYRATE see:GZ06600 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a-beta,1b-alpha,4,4a,7a-beta,7b,8,9,9a- DECAHYDRO-4a-alpha,7b-beta,9-alpha,9a-beta-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-beta- TETRAMETHYL-, 9a-LAURATE (S)-(+)-9-(2-METHYLBUTYRATE)

SY33500. PHORBOL MONOACETATE MONOLAURATE see:GZ06200 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a,1b,4,4a,7a,7b,8,9,9a-DECAHYDRO-4a,7-beta, 9,9a-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-TETRAMETHYL-, 9-ACETATE 9a-LAURATE

SY33700. PHORBOL MONODECANOATE (S)-(+)-MONO(2-METHYLBUTYRATE) see:GZ06400 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a-beta,1b-alpha,4,4a,7a-beta,8,9,9a- DECAHYDRO-4a-alpha,7b-beta,9-alpha,9a-beta-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-beta- TETRAMETHYL-, 9a-DECANOATE (S)-(+)-9-(2-METHYLBUTYRATE)

SY33800. PHORBOL MONODECANOATE MONO(2-METHYLCROTONATE), (E)- see:GZ06500 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a-beta,1b-alpha,4,4a,7a-beta,7b,8,9,9a- DECAHYDRO-4a-alpha,7b-beta,9-alpha,9a-beta-TETRAHYDROXY-3-(HYSROXYMETHYL)-1,1,6,8-beta- TETRAMETHYL-, 9a-DECANOATE 9-(2-METHYLCROTONATE)

SY33900. PHORBOL MONOLAURATE MONO(S)-(+)-2-METHYLBUTYRATE see:GZ06600 5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a-beta,1b-alpha,4,4a,7a-beta,7b,8,9,9a- DECAHYDRO-4a-alpha,7b-beta,9-alpha,9a-beta-TETRAHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-beta- TETRAMETHYL-, 9a-LAURATE (S)-(+)-9-(2-METHYLBUTYRATE)

SZ17500. PHOSPHINE OXIDE, TRIS(1-AZIRIDINYL)-
CAS: 000545551 MW: 173.18 MOLFM: N3-O-P-C6-H12
WLN: T3NTJ A- 3PO
SYN: APHOXIDE * APO * AZIRIDINE, 1,1',1"-PHOSPHINYLIDYNETRIS- * ENT 24915 * NSC 9717 * PHOSPHORAMIDE, N,N',N"-TRIETHYLENE- * PHOSPHORIC ACID TRIETHYLENE IMIDE * PHOSPHORIC TRIAMIDE, N,N',N"-TRIETHYLENE- * TEPA * TRI(1-AZIRIDINYL)PHOSPHINE OXIDE * N,N',N"-TRIETHYLENEPHOSPHORAMIDE * TRIS(1-AZIRIDINYL)PHOSPHINE OXIDE *
TXDS: orl-rat LD50:37 mg/kg BWHOA6 31,737,64
orl-rat TDLo:110 mg/kg/50WI TFX:CAR JNCIAM 41,985,68
skn-rat LD50:87 mg/kg BWHOA6 31,737,64
ipr-mus TDLo:312 mg/kg TFX:MUT TXAPA9 23,288,72
ipr-mus LDLo:156 ug/kg TXAPA9 23,288,72
orl-rbt LDLo:40 mg/kg AIHC** -,98,64
skn-rbt LDLo:75 mg/kg AIHC** -,98,64
orl-ckn LD50:151 mg/kg TXAPA9 16,100,70

SZ19250. PHOSPHINE OXIDE,TRIS[1-(2-METHYL)AZIRIDINYL]-
CAS: 000057396 MW: 215.27 MOLFM: N3-O-P-C9-H18
WLN: T3NTJ B A- 3PO
SYN: C 3172 * ENT 50,003 * MAPO * METAPOXIDE * METEPA * METHAPHOXIDE * METHYL APHOXIDE * TRIS(2-METHYL-1-AZIRIDINYL)PHOSPHINE OXIDE * N,N',N''-TRIS(1-METHYLETHYLENE)PHOSPHORAMIDE *
TXDS: orl-rat LD50:136 mg/kg TXAPA9 14,515,69
orl-rat TDLo:1000 mg/kg/60WI TFX:CAR BWHOA6 34,317,66
skn-rat LD50:183 mg/kg BWHOA6 31,737,64
ipr-rat TDLo:30 mg/kg/(12D preg) TFX:TER BWHOA6 34,317,66
ipr-mus LDLo:3125 ug/kg TXAPA9 23,288,72
ipr-mus TDLo:12500 ug/kg TFX:MUT TXAPA9 23,288,72
orl-ckn LD50:329 mg/kg TXAPA9 16,100,70

SZ26250. PHOSPHINE SULFIDE, BIS(1-AZIRIDINYL)MORPHOLINO-
CAS: 002168685 MW: 233.30 MOLFM: N3-O-P-S-C8-H16
WLN: T6N DOTJ APUS&/- AT3NTJ 2
SYN: BIS(1-AZIRIDINYL)MORPHOLINOPHOSPHINE SULFIDE * MORZID * NSC-10429 * OPSPA * THIOMORPHOLIDOPHOSPHORIC DIETHYLENIMIDE *
TXDS: ipr-mus TDLo:28 mg/kg/4W TFX:CAR JNCIAM 36,915,66

SZ29750. PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)
CAS: 000052244 MW: 189.27 MOLFM: N3-P-S-C6-H12
WLN: T3NTJ A- 3PS
T3NTJ A- 3PS
SYN: AZIRIDINE, 1,1,1"-PHOSPHINOTHIOYLIDYNETPIS- * NSC-6396 * PHOSPHOROTHIOIC TRIAMIDE, N,N',N"-TRIETHYLENE- * TESPA * TESPAMIN * TESPAMINE * THIOPHOSPHAMIDE * THIOPHOSPHORAMIDE, N,N',N"-TRIETHYLENE- * THIO-TEPA * THIOTRIETHYLENEPHOSPHORAMIDE * TRIAZIRIDINYLPHOSPHINE SULFIDE * N,N',N"-TRIETHYLENETHIOPHOSPHAMIDE * N,N',N"-TRIETHYLENETHIOPHOSPHORAMIDE * TRIETHYLENETHIOPHOSPHOROTRIAMIDE * TRIS(1-AZIRIDINYL)PHOSPHINE SULFIDE * TSPA *
TXDS: ipr-rat LD50:8 mg/kg CPCHAO 18,307,62
ipr-rat TDLo:3 mg/kg/(11 D preg) TFX:TER CPCHAO 18,307,62
ivn-rat TDLo:52 mg/kg/1YI TFX:CAR ARZNAD 20,1461,70
orl-mus LD50: 38 mg/kg 21ACAB 129,68
ipr-mus TDLo:5 mg/kg TFX:MUT NATOAS 219,385,68

ipr-mus TDLo:11 mg/kg/4W TPX:CAR JNCIAM 36,915,66
ipr-mus LDLo:5 mg/kg TXAPA9 23,288,72

SZ79000. PHOSPHONIC ACID, 2,3-EPOXYPROPYL-, DIETHYL ESTER
MW: 194.19 MOLFM: O4-P-C7-H15
SYN: DIETHYL-beta,gamma-EPOXYPROPYLPHOSPHONATE *
TXDS: scu-mus TDLo:17 gm/kg/83WI TPX:NEO JNCIAM 53,695,74

TB26250. PHOSPHORAMIDE, N,N',N"-TRIETHYLENE- see:SZ17500 PHOSPHINE OXIDE, TRIS(1-AZIRIDINYL)-

TC64700. PHOSPHORIC ACID, LEAD(2+) SALT (2:3) see:OG36750 LEAD(II) PHOSPHATE (3:2)

TC75250. PHOSPHORIC ACID, TRIALLYL ESTER see:TC85750 PHOSPHORIC ACID, TRI-2-PROPENYL ESTER

TC78750. PHOSPHORIC ACID TRIETHYLENE IMIDE see:SZ17500 PHOSPHINE OXIDE, TRIS(1-AZIRIDINYL)-

TC85750. PHOSPHORIC ACID, TRI-2-PROPENYL ESTER
CAS: 001623194 MW: 218.21 MOLFM: O4-P-C9-H15
WLN: 1U2O 3PO
SYN: ALLYL PHOSPHATE * PHOSPHORIC ACID, TRIALLYL ESTER * TRIALLYL PHOSPHATE *
TXDS: scu-mus TDLo:200 mg/kg/WC TPX:NEO ARPAAQ 50,750,50
ivn-mus LD50:71 mg/kg CBCCT* 6,138,54

TD10500. PHOSPHORIC TRIAMIDE, N,N',N"-TRIETHYLENE- see:SZ17500 PHOSPHINE OXIDE, TRIS(1-AZIRIDINYL)-

TD47250. PHOSPHORODIAMIDIC ACID, N,N-BIS(2-CHLOROETHYL)-N'-(3-HYDROXYPROPYL)-, intramol. ESTER
see:RP59500 2H-1,3,2-OXAZAPHOSPHORINE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE

TG42000. PHOSPHOROTHIOIC TRIAMIDE, N,N',N"-TRIETHYLENE- see:SZ29750 PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)

TH67700. PHRILON see:RP52500 NYLON

TH71750. PHTHALAMIC ACID, N-FLUOREN-2-YL-
MW: 329.37 MOLFM: N-O3-C21-H15
WLN: L B656 BHJ ENVR BVQ
SYN: 2-BENZOYLAMINOFLUORENE-2'-CARBOXYLATE * 2-BENZOYLAMIDOFLUORENE-2'-CARBOXYLATE * N-(2-FLUORENYL)PHTHALAMIC ACID *
TXDS: orl-rat TDLo:6000 mg/kg/43WC TPX:CAR CNREA8 20,1252,60

TH75250. PHTHALAMIDE, N-N'-DIMETHYL-N,N'-DINITROSO-
CAS: 003851169 MW: 250.24 MOLFM: N4-O4-C10-H10
WLN: ONN1&V 2 BR
SYN: N,N'-DIMETHYL-N,N'-DINITROSOPHTHALAMIDE * N,N'-DINITROSO-N,N'-DIMETHYLPHTHALAMIDE * NSC 73600 *
TXDS: orl-rat TDLo:6360 mg/kg/32WI TPX:NEO JNCIAM 41,985,68

TJ13200. PETHISEN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

TJ35900. PIANADALIN see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

TJ36750. PIAPONON see:TW01750 PROGESTERONE

TJ54250. 2-PICOLINE, 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-
MW: 240.32 MOLFM: N4-C14-H16
SYN: 2-METHYLPYRIDINE-4-AZO-p-DIMETHYLANILINE *
TXDS: orl-rat TDLo:5550 mg/kg/22WC TPX:CAR CNREA8 14,715,54

TJ56000. 2-PICOLINE, 4-((4-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE
MW: 256.34 MOLFM: N4-O-C14-H16
WLN: T6NJ AO B DNUNR DN1&1
SYN: 4-((4-(DIMETHYLAMINO)PHENYL)AZO)-2-PICOLINE 1-OXIDE * N,N-DIMETHYL-4-(4'-(2'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE * 2-METHYLPYRIDINE-1-OXIDE-4-AZO-p-DIMETHYLANILINE *
TXDS: orl-rat TDLo:546 mg/kg/13WC TPX:CAR JNCIAM 37,365,66

TJ57750. 3-PICOLINE, 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE
MW: 256.32 MOLFM: N4-O-C14-H16
SYN: 3-METHYLPYRIDINE-1-OXIDE-4-AZO-p-DIMETHYL-ANILINE *
TXDS: orl-rat TDLo:5550 mg/kg/22WC TPX:CAR CNREA8 14,715,54

TJ59500. 2-PICOLINE, 4-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)-, 1-OXIDE
MW: 270.37 MOLFM: N4-O-C15-H18
WLN: T6NJ AO B DNUNR C DN1&1
SYN: 4-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)-2-PICOLINE 1-OXIDE * N,N-DIMETHYL-2-METHYL-4-(4'-(2'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE *
TXDS: orl-rat TDLo:1640 mg/kg/13WC TPX:CAR JNCIAM 37,365,66

TJ61250. 2-PICOLINE, 4-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-, 1-OXIDE
MW: 270.37 MOLFM: N4-O-C15-H18
WLN: T6NJ AO B DNUNR B DN1&1
SYN: 4-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-2-PICOLINE 1-OXIDE * N,N-DIMETHYL-3-METHYL-4-(4'-(2'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE *
TXDS: orl-rat TDLo:1640 mg/kg/13WC TFX:CAR JNCIAM 37,365,66

TJ63000. 3-PICOLINE, 4-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)-, 1-OXIDE
MW: 270.37 MOLFM: N4-O-C15-H18
WLN: T6NJ AO C DNUNR C DN1&1
SYN: 4-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)-3-PICOLINE 1-OXIDE * N,N,2-TRIMETHYL-4-(4'-(3'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE *
TXDS: orl-rat TDLo:3600 mg/kg/17WC TFX:NEO JNCIAM 41,855,68

TJ64750. 3-PICOLINE, 4-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-, 1-OXIDE
MW: 270.37 MOLFM: N4-O-C15-H18
WLN: T6NJ AO C DNUNR B DN1&1
SYN: 4-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-3-PICOLINE 1-OXIDE * N,N,3-TRIMETHYL-4-(4'-(3'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE *
TXDS: orl-rat TDLo:3600 mg/kg/17WC TFX:NEO JNCIAM 41,855,68

TJ78900. PICRIC ACID compd. with 3-METHYLCHOLANTHRENE (1:1)
SYN: 20-METHYLCHOLANTHRENE PICRATE * 3-METHYLCHOLANTHRENE compd. with PICRIC ACID (1:1) *
TXDS: scu-mus TDLo:200 mg/kg TFX:NEO XPHPAW 149,319,51

TK07000. PIGMENT PONCEAU R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID,

TK08750. PIGMENT YELLOW 33 see:GB26000 CHROMIC ACID (H2CRO4), CALCIUM SALT (1:1), DIHYDRATE

TL63000. PIPERAZINE, 1,4-DINITROSO-
CAS: 000140794 MW: 144.16 MOLFM: N4-O2-C4-H8
WLN: T6N DNTJ ANO DNO
SYN: DINITROSOPIPERAZINE * N,N'-DINITROSOPIPERAZINE * 1,4-DINITROSOPIPERAZINE * NSC 339 *
TXDS: orl-rat LDLo:300 mg/kg CNREA8 26,619,66
orl-rat LDLo:120 mg/kg/1YI TFX:CAR JNCIAM 41,985,68
scu-rat TDLo:1600 mg/kg/80WI TFX:CAR ZEKBAI 66,138,64
orl-mus TDLo:1568 mg/kg/28WI TFX:NEO JNCIAM 46,1029,71
ipr-mus LD50: 100 mg/kg CUBL** -,95,62
scu-mus TDLo:576 mg/kg/72WI TFX:NEO VOONAW 15(6),104,69

TM24500. PIPERAZINE, 1-NITROSO-
MW: 115.16 MOLFM: N3-O-C4-H9
WLN: T6M DNTJ DNO
SYN: 1-NITROSOPIPERAZINE *
TXDS: orl-rat TDLo:1400 mg/kg/60WI TFX:NEO ZEKBAI 74,179,70

TN21000. PIPERIDINE, 1-NITROSO-
CAS: 000100754 MW: 114.17 MOLFM: N2-O-C5-H10
WLN: T6NTJ ANO
SYN: N-NITROSO-PIPERIDIN (German) * N-NITROSOPIPERIDINE *
TXDS: orl-rat TDLo:1400 mg/kg/40WI TFX:CAR ARZNAD 19,1077,69
scu-rat LD50:100 mg/kg ZEKBAI 80,17,73
scu-rat TDLo:20 mg/kg/51W TFX:CAR XENO** 3,271,73
ivn-rat TDLo:400 mg/kg/40WI TFX:CAR NATWAY 50,100,63
orl-mus TDLo:3650 mg/kg/YC TFX:CAR NATWAY 56,142,69
scu-ham LD50:324 mg/kg ZEKBAI 81,251,74
scu-ham TDLo:25 gm/kg/17W TFX:CAR ZEKBAI 65,166,62

TO24500. PIPERONYL ETHER BUTOXIDE
MW: 338.49 MOLFM: O5-C19-H30
WLN: T56 BO DO CHJ G3 H1020204
TXDS: orl-mus TDLo:220 mg/kg/DC TFX:NEO JNCIAM 42,1101,69

TO56000. PIRIDAZOL see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

TO68250. PIRMAZIN see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

TO97000. PLANOMIDE see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

TP11600. PLASTORESIN ORANGE F4A see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

TP12250. PLASTORESIN RED F see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

TP45500. PLUMBANE, TETRAETHYL-
CAS: 000078002 MW: 323.45 MOLFM: Pb-C8-H20
WLN: 2-PB-2&2&2
SYN: CZTEROETYLEK OLOWIU (Polish) * LEAD,TETRAETHYL * TEL * TETRAETHYL LEAD *
TXDS: orl-rat LDLo:17 mg/kg AEHLAU 8,277,64
ihl-rat LC50:6 ppm SADEAN 38,653,63

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            ipr-rat LDLo:10 mg/kg                                   JPETAB 38,161,30
            ivn-rat LDLo:31 mg/kg                                   BJIMAG 18,279,61
            par-rat LD50:15 mg/kg                                   AOHYA3 3,226,61
            scu-mus LDLo:86 mg/kg                                   EXPEAM 24,580,68
            scu-mus TDLo:86 mg/kg/21DI TFX:CAR                      EXPEAM 24,580,68
            skn-dog LDLo:500 mg/kg                                  RCWI** -,-,29
            ivn-rbt LDLo:23 mg/kg                                   JPETAB 38,161,30
            skn-gpg LDLo:990 mg/kg                                  RCWI** -,-,29
        U.S. OCCUPATIONAL STANDARD USOS-air:TWA 117 ug/m3(skin)      PEREAC 37,22139,72

TP52500. PLUMBUS ACETATE    see:OF80500 LEAD ACETATE (II), TRIHYDRATE

TP57750. PLUMBOUS PHOSPHATE    see:OG36750 LEAD(II) PHOSPHATE (3:2)

TP59500. PLURAZOL    see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

TP71750. PMA    see:OV64750 MERCURY, (ACETATO)PHENYL-

TP73500. PMAC    see:OV64750 MERCURY, (ACETATO)PHENYL-

TP74000. PMAL    see:OV64750 MERCURY, (ACETATO)PHENYL-

TP75250. PMAS    see:OV64750 MERCURY, (ACETATO)PHENYL-

TP99000. POLISEPTIL    see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

TQ26250. POLY(1,2-DIHYDRO-2,2,4-TRIMETHYLQUINOLINE)
                                        MOLFM: (N-C11-H15)n
         SYN: FLECTOL H, POLYMER   *
         TXDS: orl-rat TDLo:3700 mg/kg/2YC TFX:NEO                  TXAPA9 9,583,66

TQ27000. POLYDIMETHYLSILOXANE RUBBER
         SYN: SILASTIC   *
         TXDS: imp-rat TDLo:1500 mg/kg TFX:CAR                      ARPAAQ 67,589,59

TQ33250. POLYETHYLENE
         CAS: PM9002884                 MOLFM: (C2-H4)n
         WLN: /*2*/
         SYN: ALATHON   *  ALKATHENE   *  LUPOLEN   *  POLYTHENE   *
         TXDS: scu-rat TDLl:30 mg/kg TFX:NEO                        CNREA8 15,333,55
               imp-rat TDLo:2120 mg/kg TFX:NEO                      BJCAAI 23,401,69
               scu-mus TDLo:330 mg/kg TFX:NEO                       CNREA8 15,333,55

TQ35000. POLYETHYLENE GLYCOL
         CAS: PM9002908
         WLN: /*O2*/
         SYN: CARBOWAX   *  CARBOWAX 1000   *  LUTROL   *  P.E.G. 400   *  POLYETHYLENE
              GLYCOL 400   *
         TXDS: ivg-mus TDLo:420 gm/kg/Y TFX:CAR                     BJCAAI 15,252,61

TQ36750. POLYETHYLENE GLYCOL 400    see:TQ35000 POLYETHYLENE GLYCOL

TQ54000. POLYETHYLENE GLYCOL MONOSTEARATE
         SYN: MYRJ 45   *  POLYOXYETHYLENE-8-MONOSTEARATE   *  POLYOXYETHYLENE(8)STEARATE
              *
         TXDS: orl-rat TDLo:3650 gm/kg/2YC TFX:CAR                  AEHLAU 6,484,63
               ipl-rat TDLo:4000 mg/kg/69WI TFX:CAR                 AEHLAU 6,484,63
               imp-rat TDLo:100 mg/kg TFX:NEO                       AEHLAU 6,484,63
               orl-mus TDLo:9125 gm/kg/2YC TFX:NEO                  AEHLAU 6,484,63

TQ79000. POLYETHYLENE TEREPETHALATE film
         CAS: PM9009283                 MOLFM: (O4-C10-H8)n
         SYN: MYLAR   *
         TXDS: scu-rat TDLo:50 mg/kg TFX:NEO                        CNREA8 15,333,55

TR02000. POLYMERIC DIALDEHYDE
                                        MOLFM: (O5-C6-H8)n
         TXDS: scu-mus TDLo:270 mg/kg/67WI TFX:NEO                  JMCIAM 46,143,71

TR04200. POLYMETHYL METHACRYLATE    see:PP73500 METHYL METHACRYLATE POLYMER

TR26250. POLYOXYETHYLENE-8-MONOSTEARATE    see:TQ54000 POLYETHYLENE GLYCOL MONOSTEARATE

TR76100. POLYSTYRENE    see:WL64750 STYRENE POLYMER

TR77400. POLYTETRAFLUOROETHYLENE    see:KX40250 ETHYLENE, TETRAFLUORO-, POLYMER

TR77800. POLYTHENE    see:TQ33250 POLYETHYLENE
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TR78750. POLYURETHANE FOAM
TXDS: imp-rat TDLo:325 mg/kg TFX:NEO JNCIAM 33,1005,64

TR80500. POLYURETHANE PLASTIC
TXDS: imp-rat TDLo:325 mg/kg TFX:NEO JNCIAM 33,1005,64

TR81000. POLYVINYL ALCOHOL
SYN: PVA *
TXDS: scu-rat TDLo:2500 mg/kg TFX:CAR ARPAAQ 67,589,59

TR81400. POLYVINYL CHLORIDE see:KV03500 ETHYLENE, CHLORO- POLYMER

TR81600. POLY(1-VINYL-2-PYRROLIDINONE), POLYMER NO. 1
WLN: /T5NVTJ AY*1*/
SYN: PVP 1 *
TXDS: ipr-rat TDLo:2500 mg/kg TFX:CAR ARPAAQ 67,589,59
scu-rat TDLo:2500 mg/kg TFX:CAR ARPAAQ 67,589,59
ivn-rat TDLo:750 mg/kg/I TFX:CAR ARPAAQ 67,589,59

TR81800. POLY(1-VINYL-2-PYRROLIDINONE), POLYMER NO. 3
WLN: /T5NVTJ AY*1*/
SYN: PVP 3 *
TXDS: ipr-rat TDLo:2500 mg/kg TFX:CAR ARPAAQ 67,589,59
scu-rat TDLo:2500 mg/kg TFX:CAR ARPAAQ 67,589,59
ivn-rat TDLo:750 mg/kg/I TFX:CAR ARPAAQ 67,589,59

TR82500. POLY(1-VINYL-2-PYRROLIDINONE), POLYMER NO. 4
WLN: /T5NVTJ AY*1*/
SYN: PVP 4 *
TXDS: ipr-rat TDLo:2500 mg/kg TFX:CAR ARPAAQ 67,589,59
scu-rat TDLo:2500 mg/kg TFX:CAR ARPAAQ 67,589,59
ivn-rat TDLo:750 mg/kg/I TFX:CAR ARPAAQ 67,589,59

TR83000. POLY(1-VINYL-2-PYRROLIDINONE), POLYMER NO. 5
WLN: /T5NVTJ AY*1*/
SYN: PVP 5 *
TXDS: ipr-rat TDLo:2500 mg/kg TFX:CAR ARPAAQ 67,589,59
scu-rat TDLo:2500 mg/kg TFX:CAR ARPAAQ 67,589,59

TR83500. POLY(1-VINYL-2-PYRROLIDINONE), POLYMER NO. 6
WLN: /T5NVTJ AY*1*/
SYN: PVP 6 *
TXDS: scu-rat TDLo:1000 mg/kg TFX:CAR ARPAAQ 67,589,59

TR85750. PONCEAU BNA see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TR89250. PONCEAU G see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TR92750. PONCEAU MX see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TR94500. PONCEAU PXM see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TR96250. PONCEAU R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TR98000. PONCEAU 2R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TR98850. PONCEAU 3R see:QJ66500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((2,4,5-TRIMETHYLPHENYL)AZO)-, DISODIUM SALT

TS01750. PONCEAU 4R see:QK22750 1,3-NAPETHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

TS03500. PONCEAU 4R ALUMINUM LAKE see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

TS05250. PONCEAU 4RE see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

TS07000. PONCEAU RED see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TS08750. PONCEAU RED R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TS09500. PONCEAU 4RF see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-

TS10500. PONCEAU 4RE.FQ see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-
8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

TS12250. PONCEAU 2R EXTRA A EXPORT see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID,
3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TS15750. PONCEAU 2RL see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID,
3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TS15850. PONCEAU 3R LAKE see:QJ66500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((2,4,5-
TRIMETHYLPHENYL)AZO)-, DISODIUM SALT

TS16000. PONCEAU 3RN see:QJ66500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((2,4,5-
TRIMETHYLPHENYL)AZO)-, DISODIUM SALT

TS17500. PONCEAU RS see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID,
3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TS19250. PONCEAU RR see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID,
3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TS21000. PONCEAU RR TYPE 8019 see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID,
3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TS22750. PONCEAU 4RT see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-
8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

TS24500. PONCEAU 2RX see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID,
3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TS26250. PONCEAU SX see:QK27050 1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-
3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT

TS28000. PONCEAU XYLIDINE see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID,
3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

TS38500. PONTACYL GREEN BL see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(M-SULFOBENZYL)-
AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-,
HYDROXIDE, INNER SALT, SODIUM SALT

TS42000. PONTACYL SCARLET RR see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-
8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

TS47250. PONTAMINE BLUE 3BX see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-
4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

TS49000. PONTAMINE DEVELOPER TN see:XS96250 TOLUENE-2,4-DIAMINE

TS49300. PONTAMINE BLUE BB see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-
BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

TS70000. POTASSIUM ARSENITE see:CG35000 ARSENIOUS ACID, POTASSIUM SALT

TS85750. POTASSIUM CYANATE see:GS68250 CYANIC ACID, POTASSIUM SALT

TT29000. POTASSIUM INDOXYL SULFATE see:NL03500 INDICAN

TT31000. POTASSIUM METAARSENITE see:CG35000 ARSENIOUS ACID, POTASSIUM SALT

TT33250. POTASSIUM-2-NAPHTHYL SULFAMATE
TXDS: imp-mus TDLo:80 mg/kg TFX:NEO BJCAAI 11,212,57

TT71750. POTATO ALCOHOL see:KQ63000 ETHYL ALCOHOL

TU36500. PREGNA-4,6-DIENE-3,20-DIONE, 17-(ACETYLOXY)-6-CHLORO-
CAS: 000302227 MW: 404.97 MOLFM: O4-Cl-C23-H29
TXDS: orl-dog TDLo:18 mg/kg/2YI TFX:NEO JAMAAP 219,1601,72

TU49000. PREGN-4-ENE-3,20-DIONE see:TW01750 PROGESTERONE

TU50750. PREGN-4-ENE-3,20-DIONE, 21-HYDROXY-, ACETATE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

TU54250. 4-PREGNENE-3,20-DIONE-21-OL ACETATE see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

TU62500. PRENIMON see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

TU64750. PREPARATION 6424 see:NS17500 ISONICOTINIC ACID HYDRAZIDE

TU66500. PREPARATION AF see:MN47250 HEXAMETHYLENETETRAMINE

TU77000. PREVENOL 56 see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

TU80500. PREVENTOL 56 see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

TU87600. PPEBEED see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

TU91000. PRIMAZIN see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

TU96250. PRIMOCORT see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

TU98000. PRIMOCORTAN see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

TV01750. PRIMOFOL see:KG29750 ESTRADIOL

TV03500. PRIMOGYN see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

TV04000. PRIMOGYN B see:KG40500 ESTRADIOL, 3-BENZOATE

TV05250. PRIMOGYN C see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

TV06000. PRIMOGYN I see:KG40500 ESTRADIOL, 3-BENZOATE

TV07000. PRIMOGYN M see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

TV08750. PRIMOLUT see:TW01750 PROGESTERONE

TV09000. PRIMOTEST see:XA30300 TESTOSTERONE

TV09100. PRIMOTESTON see:XA30300 TESTOSTERONE

TV58600. PROCARBAZIN (German) see:XS45500 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-

TV59500. PROCARBAZINE HYDROCHLORIDE see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

TV61250. PROCASIL see:YR14000 URACIL, 6-PROPYL-2-THIO-

TV76900. PROPAM see:FD91000 CARBANILIC ACID, ISOPROPYL ESTER

TV80500. PROPERRIN see:WO77000 IRON OXIDE, SACCHARATED

TV84000. PROPOLIOL see:KG29750 ESTRADIOL

TV91000. PROGEKAN see:TW01750 PROGESTERONE

TV98000. PROGESTEROL see:TW01750 PROGESTERONE

TW01750. PROGESTERONE
CAS: 000057830 MW: 314.51 MOLFM: O2-C21-H30
WLN: L E5 B666 OV MUTJ A E FV1 -B&AEF
SYN: CORLUTIN * CORLUTINA * CORLUVITE * CORPORIN * CORPUS LUTEUM HORMONE * FLAVOLUTAN * POLOGENON * GESTONE * GESTORMONE * GLANDUCORPIN * HORMOFLAVEINE * HORMOLUTON * LIPO-LUTIN * LUCORTEUM SOL * LUTEAL HORMONE * LUTEINIQUE * LUTEODYN * LUTEOGAN * LUTEOHORMONE * LUTEOL * LUTEOSAN * LUTEOSTAB * LUTEOVIS * LUTEX * LUTIDON * LUTOCYCLIN * LUTOCYCLIN M * LUTOCYLIN * LUTOFORM * LUTOGYL * LUTREN * LUTROMONE * NSC-9704 * PIAPONON * PREGN-4-ENE-3,20-DIONE * DELTA(sup 4)-PREGNENE-3,20-DIONE * PRIMOLUT * PROGEKAN * PROGESTEROL * PROGESTIN * PROGESTONE * PROLIDON * SYNOVEX S * SYNTOLUTAN *
TXDS: orl-mus TDLo:120 mg/kg/89WI TFX:CAR SCIEAS 154,402,66
scu-mus TDLo:1300 mg/78WC TFX:NEO BJCAAI 21,144,67

TW01800. PROGESTERONE mixed with ESTRA-1,3,5(10)-TRIENE-3,17-beta-DIOL 3-BENZOATE (14:1 moles) see:KG42000 ESTRADIOL, 3-BENZOATE mixed with PROGESTERONE (1:14 moles)

TW01900. PROGESTERONE mixed with ESTRADIOL BENZOATE (14:1 moles) see:KG42000 ESTRADIOL, 3-BENZOATE mixed with PROGESTERONE (1:14 moles)

TW02000. PROGESTERONE mixed with ESTRADIOL, 3-BENZOATE (14:1 moles) see:KG42000 ESTRADIOL, 3-BENZOATE mixed with PROGESTERONE (1:14 moles)

TW03500. PROGESTIN see:TW01750 PROGESTERONE

TW05250. PROGESTONE see:TW01750 PROGESTERONE

TW10500. PROGYNON see:KG29750 ESTRADIOL

TW12250. PROGYNON B see:KG40500 ESTRADIOL, 3-BENZOATE

TW13000. PROGYNON BENZOATE see:KG40500 ESTRADIOL, 3-BENZOATE

TW14000. PROGYNON C see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

TW15750. PROGYNON-DH see:KG29750 ESTRADIOL

TW17500. PROGYNON-DP see:KG47250 ESTRADIOL, DIPROPIONATE

TW35000. PROLIDON see:TW01750 PROGESTERONE

TW78750. PRONETALOL see:QJ91000 2-NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-

TW80500. PRONETHALOL see:QJ91000 2-NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-

TW82250. PRONETHALOL HYDROCHLORIDE see:QJ92750 NAPHTHALENEMETHANOL, alpha-((ISOPROPYLAMINO)METHYL)-HYDROCHLORIDE

TW85750. PRONTALBIN see:WO84000 SULFANILAMIDE

TW89250. PRONTOSIL ALBUM see:WO84000 SULFANILAMIDE

TW91000. PRONTOSIL I see:WO84000 SULFANILAMIDE

TW92750. PRONTOSIL WHITE see:WO84000 SULFANILAMIDE

TW94500. PRONTYLIN see:WO84000 SULFANILAMIDE

TW96250. PRONZIN ALBUM see:WO84000 SULFANILAMIDE

TX01750. PROPACIL see:YR14000 URACIL, 6-PROPYL-2-THIO-

TX49000. PROPANE, 1-CHLORO-2,3-EPOXY-
CAS: 000106898 MW: 92.53 MOLFM: O-C1-C3-H5
WLN: T3OTJ B1G
SYN: 1-CHLOOR-2,3-EPOXY-PROPAAN (Dutch) * 1-CHLOR-2,3-EPOXY-PROPAN (German) * 1-CHLORO-2,3-EPOXYPROPANE * 3-CHLORO-1,2-EPOXYPROPANE * (CHLOROMETHYL) ETHYLENE OXIDE * CHLOROMETHYLOXIRANE * CHLOROPROPYLENE OXIDE * gamma-CHLOROPROPYLENE OXIDE * 3-CHLORO-1,2-PROPYLENE OXIDE * 1-CLORO-2,3-EPOSSIPROPANO (Italian) * EPICHLOORHYDRINE (Dutch) * EPICHLORHYDRIN (German) * EPICHLORHYDRINE (French) * EPICHLOROHYDRIN * EPICHLOROHYDRYNA (Polish) * alpha-EPICHLOROHYDRIN * EPICHLOROPHYDRIN * EPICLORIDRINA (Italian) * GLYCEROL EPICHLORHYDRIN *
TXDS: ihl-hmn TDLo:20 ppm TFX:EYE 29ZWAE -,108,68
orl-rat LD50:90 mg/kg JIHTAB 30,63,48
ihl-rat LCLo:250 ppm/4H JIHTAB 31,343,49
orl-mus LD50:238 mg/kg AIHC** -,18,60
ihl-mus LC100:7414 ppm/30M SHELL* SC-59-86
ihl-mus TDLo:19 mg/kg TFX:NEO RARSAM 3,193,63
ipr-mus LD50:155 mg/kg SCCUR* -,4,61
scu-mus TDLo:720 mg/kg/18WI TFX:NEO JNCIAM 48,1431,72
skn-rbt LD50:1300 mg/kg JIHTAB 30,63,48
U.S. OCCUPATIONAL STANDARD OSOS-air:TWA 5 ppm(skin) PEREAC 37,22139,72

TX77000. 1,3-PROPANEDIAMINE, N,N'-DIMETHYL-N,N'-DINITROSO-
CAS: 006972765 MW: 160.21 MOLFM: N4-O2-C5-H12
WLN: ONN1& 23
SYN: N,N'-DIMETHYL-N,N'-DINITROSO-1,3-PROPANEDIAMINE * N,N'-DINITROSO-N,N'-DIMETHYL-1,3-PROPANEDIAMINE * NSC 62580 *
TXDS: orl-rat TDLo:320 mg/kg/33WI TFX:CAR JNCIAM 41,985,68

TZ31500. PROPANE, 1,3-EPOXY-2,2-DIMETHYL-
CAS: 006921353 MW: 86.15 MOLFM: O-C5-H10
WLN: T4OTJ C C
SYN: beta,beta-DIMETHYLTRIMETHYLENE OXIDE * 1,3-EPOXY-2,2-DIMETHYLPROPANE *
TXDS: scu-rat TDLo:510 mg/kg/51W TFX:CAR BJCAAI 17,100,63

TZ66500. 1-PROPANESULFONIC ACID-3-HYDROXY-gamma-SULTONE see:RP54250 1,2-OXATHIOLANE 2,2-DIOXIDE

TZ68250. PROPANESULTONE see:RP54250 1,2-OXATHIOLANE 2,2-DIOXIDE

TZ70000. 1,3-PROPANE SULFONE see:RP54250 1,2-OXATHIOLANE 2,2-DIOXIDE

TZ77000. 1-PROPANETHIOL,3-SILYL,TRIMETHOXY ESTER
TXDS: orl-rat LD50:2830 mg/kg AIHAAP 30,470,69
orl-rat TDLo:269 mg/kg/32WI TFX:CAR JNCIAM 41,985,68

UA85750. 2-PROPANOL, 1-(p-t-BUTYLPHENOXY)-, 2-CHLOROETHYL SULFITE see:WT29750 SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER

UB65500. PROPANOLIDE see:RQ73500 2-OXETANONE

UC07000. 2-PROPANONE, 1-CHLORO-
CAS: 000078955 MW: 92.53 MOLFM: O-Cl-C3-H5
SYN: ACETONE, CHLORO- * ACETONYL CHLORIDE * CHLOROACETONE (French) * CHLOROACETONE * CHLOROPROPANONE * 1-CHLORO-2-PROPANONE * MONOCHLORACETONE * MONOCHLOROACETONE *
TXDS: ihl-hmn LDLo:605 ppm/10M 28ZOAH -,-,37
orl-rat LDLo:50 mg/kg KODAK* -,-,71
skn-rat LDLo:100 mg/kg KODAK* 1
skn-mus TDLo:460 mg/kg/12WI TFX:NEO CNREA8 26,12,66

UD22750. 2-PROPENE-1-THIOL, 2,3-DICHLORO-, DIISOPROPYLCARBAMATE see:EZ82250 CARBAMIC ACID, DIISOPROPYLTHIO-, S-(2,3-DICHLOROALLYL) ESTER

UD56000. 2-PROPENOPHENONE see:SW40250 PHENONE, 2-PROPENO-

UD59000. 2-PROPENYLACRYLIC ACID see:WG21000 SORBIC ACID

UD77000. 4-PROPENYL-1,2-METHYLENEDIOXYBENZENE see:DA59500 BENZENE, 1,2-(METHYLENEDIOXY)-4-PROPENYL-

UD80500. PROPHAM see:FD91000 CARBANILIC ACID, ISOPROPYL ESTER

UD80750. PROPHAME see:FD91000 CARBANILIC ACID, ISOPROPYL ESTER

UD91000. PROPIOLACTONE see:RQ73500 2-OXETANONE

UD92750. beta-PROPIOLACTONE see:RQ73500 2-OXETANONE

UE14000. PROPIONALDEHYDE, 2,3-EPOXY- see:MB31500 GLYCIDALDEHYDE

UE76750. PROPIONIC ACID, 3-BROMO-
CAS: 000590921 MW: 152.99 MOLFM: O2-Br-C3-H5
WLN: QV2F
SYN: beta-BROMOPROPIONIC ACID * 3-BROMOPROPIONIC ACID *
TXDS: ipr-mus LDLo: 500 mg/kg CBCCT* 6,228,54
skn-mus TDLo:3800 mg/kg/12WI TFX:CAR CNREA8 26,12,66

UF47250. PROPIONIC ACID, 3-HYDROXY-, beta-LACTONE see:RQ73500 2-OXETANONE

UF49000. PROPIONIC ACID, 3-IODO-
CAS: 001417643 MW: 199.17 MOLFM: O2-I-C3-H5
WLN: QV2I
SYN: 3-IODOPROPIONIC ACID *
TXDS: skn-mus LDLo:1900 mg/kg CNREA8 28,653,68
skn-mus TDLo:5700 mg/kg/3WI TFX:NEO CNREA8 28,653,68

UG54250. beta-PROPIONOLACTONE see:RQ73500 2-OXETANONE

UG64750. PROPIONYLAMIDE, N-METHYL-N-NITROSO-
MW: 116.14 MOLFM: N2-O2-C4-H8
WLN: ONN1&V2
SYN: METHYLNITROSO-PROPIONAMIDE *
TXDS: orl-rat TDLo:1 mg/kg TFX:CAR TCIS** -,-,72

UH73500. beta-PROPROLACTONE see:RQ73500 2-OXETANONE

UH75250. PROPYCIL see:YR14000 URACIL, 6-PROPYL-2-THIO-

UI31500. PROPYLAMINE, N-(2-HYDROXYPROPYL)-N-NITROSO-
MW: 146.22 MOLFM: N2-O2-C6-H14
SYN: beta-HPPN * (2-HYDROXYPROPYL)PROPYLNITROSOAMINE *
TXDS: scu-ham LD50:1500 mg/kg JNCIAM 52,1245,74
scu-ham TDLo:1150 mg/kg/23W TFX:CAR JNCIAM 51,287,73

UI38500. PROPYLAMINE, N-METHYL-N-NITROSO-
MW: 102.16 MOLFM: N2-O-C4-H10
SYN: METHYLPROPYLNITROSOAMINE * METHYL-n-PROPYLNITROSAMINE * MPN *
TXDS: scu-ham LD50:493 mg/kg JNCIAM 52,457,74
scu-ham TDLo:225 mg/kg/18W TFX:CAR JNCIAM 51,287,73

UI45500. PROPYLAMINE, N-(2-OXOPROPYL)-N-NITROSO-
MW: 144.18 MOLFM: N2-O2-C6-H12
SYN: beta-OPPN * 2-OXI-PROPYL-PROPYLNITROSAMIN (German) * 2-OXO-PROPYL-PROPYLNITROSAMINE * (2-OXOPROPYL)PROPYLNITROSOAMINE *
TXDS: scu-rat LD50:424 mg/kg ZEKBAI 81,23,74
scu-rat TDLo:3200 mg/kg/33WI TFX:CAR ZEKBAI 81,23,74
scu-ham TDLo:700 mg/kg/14W TFX:CAR JNCIAM 51,287,73

UI57000. 5-n-PROPYL-1,2-BENZANTHRACENE see:CX30500 BENZ(a)ANTHRACENE, 8-PROPYL

UI59500. 2-n-PROPYL-3,4-BENZPHENANTHRENE
TXDS: skn-mus TDLo:120 mg/kg/WC TFX:NEO PRLBA4 131,170,42

UI64750. PROPYL CARBAMATE see:PD08750 CARBAMIC ACID, PROPYL ESTER

UI66500. n-PROPYL CARBAMATE see:PD08750 CARBAMIC ACID, PROPYL ESTER

UI89250. 4'-n-PROPYL-4-DIMETHYLAMINOAZOBENZENE see:BX77000 ANILINE, N,N-DIMETHYL-p-((p-PROPYLPHENYL)AZO)-

UI92750. 5-n-PROPYL-9,10-DIMETHYL-1,2-BENZANTHRACENE see:CW45500 BENZ(a)ANTHRACENE, 7,12-DIMETHYL-8-PROPYL-

UJ63000. N-n-PROPYL ETHYL CARBAMATE see:PD10500 CARBAMIC ACID, PROPYL-, ETHYL ESTER

UJ98000. 4-PROPYL-1,2-METHYLENEDIOXYBENZENE see:DA61250 BENZENE, 1,2-METHYLENEDIOXY-4-PROPYL

UK05250. n-PROPYLNITROSOUREA see:YU17500 UREA, n-PROPYLNITROSO-

UK21000. 6-PROPYL-2-THIO-2,4(1H,3H)PYRIMIDINEDIONE see:YR14000 URACIL, 6-PROPYL-2-THIO-

UK24500. PROPYLTHIOURACIL see:YR14000 URACIL, 6-PROPYL-2-THIO-

UK26250. 6-n-PROPYL-2-THIOURACIL see:YR14000 URACIL, 6-PROPYL-2-THIO-

UK28000. PROPYL-THYRACIL see:YR14000 URACIL, 6-PROPYL-2-THIO-

UK63000. PROPYTHIOURACIL see:YR14000 URACIL, 6-PROPYL-2-THIO-

UK68250. PROSEPTAL see:WO84000 SULFANILAMIDE

UK70000. PROSEPTINE see:WO84000 SULFANILAMIDE

UK71750. PROSEPTOL see:WO84000 SULFANILAMIDE

UK91600. PROSTRUMYL see:YR08750 URACIL, 6-METHYL-2-THIO-

UL03500. PROTHYRAN see:YR14000 URACIL, 6-PROPYL-2-THIO-

UL74000. PSEUDOSOLASODINE B, DIACETATE see:RC89250 19-NOR-17-alpha-PREGNA-1,3,5(10)-TRIEN-2-YNE-3,17-DIOL

UO72700. PURE CHROMIUM OXIDE GREEN 59 see:GB64750 CHROMIUM(3+) OXIDE

UO72900. PURE CHRYSOIDINE YBH see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

UO73500. PURE LEMON CHROME L3GS see:GB29750 CHROMIC ACID, LEAD(2+) SALT (1:1)

UO77000. PURINE-2,6-DIOL see:ZD77000 XANTHINE

UO78750. 9H-PURINE-2,6-DIOL see:ZD77000 XANTHINE

UO80500. PURINE-2,6(1H,3H)-DIONE see:ZD77000 XANTHINE

UO82250. 2,6(1,3)-PURINEDION see:ZD77000 XANTHINE

UO84000. 9H-PURINE-2,6-(1H,3H)-DIONE see:ZD77000 XANTHINE

UO89250. PURINE, 6-((1-METHYL-4-NITROIMIDAZOL-5-YL)THIO)-
CAS: 000446866 MW: 200.23 MOLFM: N7-O2-S-C9-H7
SLN: T66 BM DN FN HNJ IS- ET5N ONJ DNW
SYN: AZATHIOPRINE * IMURAN * METHYLNITROIMIDAZOLYLMERCAPTOPURINE * 6-((1-METHYL-4-NITROIMIDAZOL-5-YL)THIO)PURINE * 6-(1-METHYL-4-NITRO-6-IMIDAZOLYL)THIOPURINE * 6-(1-METHYL-4-NITROIMIDAZOL-5-YLTHIO)PURINE *
TXDS: ims-mus TDLo:3800 mg/kg/29WI TFX:CAR BLOOAW 31,396,68

UP15750. PURPLE RED see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

UP18500. PVA see:TR81000 POLYVINYL ALCOHOL

UP18800. PVC see:KV03500 ETHYLENE, CHLORO- POLYMER

UP19000. PVP 1 see:TR81600 POLY(1-VINYL-2-PYRROLIDINONE), POLYMER NO. 1

UP19025. PVP 3 see:TR81800 POLY(1-VINYL-2-PYRROLIDINONE), POLYMER NO. 3

UP19050. PVP 4 see:TR82500 POLY(1-VINYL-2-PYRROLIDINONE), POLYMER NO. 4

UP19075. PVP 5 see:TR83000 POLY(1-VINYL-2-PYRROLIDINONE), POLYMER NO. 5

UP19100. PVP 6 see:TR83500 POLY(1-VINYL-2-PYRROLIDINONE), POLYMER NO. 6

UP24500. PYCAZIDE see:NS17500 OSINICOTINIC ACID HYDRAZIDE

UP59500. 2H-PYRAN-DELTA(sup 3(6H),alpha)-ACETIC ACID, 2,4-DIHYDROXY-, 3,4-LACTONE see:LV26250 4H-FURO(3,2-c)PYRAN-2(6H)-ONE, 4-HYDROXY-

UP80500. 2H-PYRAN-2,4(3H)-DIONE, 3-ACETYL-6-METHYL-
CAS: 000520456 MW: 168.16 MOLFM: O4-C8-H8
WLN: T6OV DV CHJ CV1 P
SYN: ACETIC ACID, DEHYDRO- * 3-ACETYL-6-METHYL-2,4-PYRANDIONE * 3-ACETYL-6-METHYLPYRANDIONE-2,4 * 3-ACETYL-6-METHYL-2H-PYRAN-2,4(3H)-DIONE * DEHYDRACETIC ACID * DEHYDROACETIC ACID * DHA * DHS * 4-HEXENOIC ACID, 2-ACETYL-5-HYDROXY-3-OXO-, delta-LACTONE * METHYLACETOPYRONONE *
TXDS: orl-rat LD50:500 mg/kg WRPCA2 9,119,70
scu-rat TDLo:2600 mg/kg/65W TFX:CAR BJCAAI 20,134,66
unk-rat LD50:1000 mg/kg 30ZDA9 -,400,71
ipr-mus LD50:2000 mg/kg APTOA6 2,109,46

UQ05250. 2H-PYRAN-2-ONE, 5,6-DIHYDRO-6-METHYL-
CAS: 000108543 MW: 112.14 MOLFM: O2-C6-H8
WLN: T6OV CUTJ F
SYN: (S)-(+)-5,6-DIHYDRO-6-METHYL-2H-PYRAN-2-ONE * 2-HEXENOIC ACID, 5-HYDROXY-, delta-LACTONE * 2-HEXEN-5,1-OLIDE * 5-HYDROXY-2-HEXENOIC ACID LACTONE * PARASCORBIC ACID * PARASORBIC ACID * SORBIC OIL *
TXDS: scu-rat TDLo:64 mg/kg/32W TFX:CAR BJCAAI 17,100,63
orl-rat TDLo:90 mg/kg/64WC TFX:NEO BJCAAI 20,134,66
ipr-mus LD50:750 mg/kg APTOA6 2,109,46

UQ21000. PYRAZINEAMIDE see:UQ22750 PYRAZINECARBOXAMIDE

UQ22750. PYRAZINECARBOXAMIDE
CAS: 000098964 MW: 123.13 MOLFM: N3-O-C5-H5
WLN: T6N DNJ BVZ
SYN: ALDINAMID * ALDINAMIDE * 2-CARBAMYL PYRAZINE * D-50 * EPRAZIN * MK 56 * PYRAZINAMIDE * PYRAZINEAMIDE * PYRAZINE CARBOXYLAMIDE * PYRAZINOIC ACID AMIDE * TEBRAZID *
TXDS: orl-mus TDLo:1260 gm/kg/30WC TFX:NEO GANNA2 51,83,60

UQ24500. PYRAZINE CARBOXYLAMIDE see:UQ22750 PYRAZINECARBOXAMIDE

UQ40250. PYRAZINOIC ACID AMIDE see:UQ22750 PYRAZINECARBOXAMIDE

UR22200. PYREAZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

UR24450. PYREN (German) see:UR24500 PYRENE

UR24500. PYRENE
CAS: 000129000 MW: 202.26 MOLFM: C16-H10
WLN: L666 B6 2AB PJ
SYN: BENZO(def)PHENANTHRENE * PYREN (German) *
TXDS: skn-mus TDLo:10 gm/kg/3WI TFX:NEO BJCAAI 10,363,56

UR26250. PYRENE, INDENO(1,2,3-cd)-
CAS: 000193395 MW: 276.34 MOLFM: C22-H12
WLN: L B6 C5666 B6 3ABC VJ
SYN: INDENO(1,2,3-cd)PYRENE * IP * 2,3-PHENYLENEPYRENE * 2,3-o-PHENYLENEPYRENE *
TXDS: skn-mus TDLo:10 mg/kg TFX:CAR ZEKBAI 68,137,66
scu-mus TDLo:72 mg/kg/9WI TFX:CAR AICCA6 19,490,63

UR28000. PYRENOLINE see:SF61250 PHENALENO(1,9-gh)QUINOLINE

UR52500. PYRICIDIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

UR54250. 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-, compd. with 2,2'-IMINODIETHANOL (1:1)
CAS: 005716154 MW: 235.22 MOLFM: N-O2-C4-H11 .N2-O2-C4-H4
WLN: T6VMMVJ &Q2M2Q &T6NMVJ FQ &Q2M2Q
SYN: DIETHANOLAMMONIUM MALEIC HYDRAZIDE * ETHANOL, 2,2'-IMINODI-, compd. with 1,2-DIHYDRO-3,6-PYRIDAZINEDIONE (1:1) * 6-HYDROXY-3-(2H)-PYRIDAZINONE, DIETHANOLAMINE SALT * MALEIC HYDRAZIDE, DIETHANOLAMINE SALT * MH-30 *
TXDS: orl-rat LD50:2200 mg/kg GUCHAZ 6,355,73
scu-rat TDLo:1500 mg/kg/60WI TFX:CAR NATUAS 180,62,57

UR59500. 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-
CAS: 000123331 MW: 112.06 MOLFM: N2-O2-C4-H4
WLN: T6VMMVJ
SYN: 1,2-DIHYDROPYRIDAZINE-3,6-DIONE * 1,2-DIHYDRO-3,6-PYRIDAZINEDIONE * ENT 18,870 * 6-HYDROXY-3(2H)-PYRIDAZINONE * MAH * MALEIC ACID HYDRAZIDE * MALEIC HYDRAZIDE * MH * MH 30 * 1,2,3,6-TETRAHYDRO-3,

1,2,3,6-TETRAHYDRO-3,6-DIOXOPYRIDAZINE *
TXDS: orl-rat LD50:3800 mg/kg WRPCA2 9,119,70
scu-rat TDLo:1300 mg/kg/65WI TFX:CAR BJCAAI 19,392,65
scu-mus LDLo:8800 mg/kg IJCNAW 3,325,68
scu-mus TDLo:8800 mg/kg/3WI TFX:CAR IJCNAW 3,325,68

US22750. PYRIDINE-3-AZO-p-DIMETHYLANILINE see:UT20000 PYRIDINE, 3-(p-(DIMETHYLAMINO)PHENYLAZO)-

US24500. PYRIDINE-4-AZO-p-DIMETHYLANILINE see:UT21000 PYRIDINE, 4-(p-(DIMETHYLAMINO)PHENYLAZO)-

US77000. PYRIDINE, 2,6-DIAMINO-3-(PHENYLAZO)-
CAS: 000094780 MW: 213.27 MOLFM: N5-C11-H11
WLN: T6NJ BZ CNUNR& FZ
SYN: 2,6-DIAMINO-3-PHENYLAZOPYRIDINE * DPP * GASTRACID * PHENAZOPYRIDINE *
TXDS: ipr-rat LDLo:300 mg/kg JPETAB 51,200,34
imp-mus TDLo:80 mg/kg TFX:NEO BJCAAI 11,212,57

US86500. PYRIDINE, 2-(1,2-DICHLOROETHYL)-, HYDROCHLORIDE
MW: 212.51 MOLFM: N-C12-C7-H7 .Cl-H
WLN: T6NJ BYG1G &GH
TXDS: orl-rat TDLo:3120 mg/kg/89WC TFX:CAR PAACA3 9,28,68

US87500. PYRIDINE, 4-((4-(DIETHYLAMINO)PHENYL)AZO)-, 1-OXIDE
MW: 264.31 MOLFM: N4-O-C15-H12
WLN: T6NJ AO DNUNR DN2&2
SYN: 4-((4-(DIETHYLAMINO)PHENYL)AZO)PYRIDINE 1-OXIDE * N,N-DIETHYL-4-(4'-(PYRIDYL-1'-OXIDE)AZO)ANILINE *
TXDS: orl-rat TDLo:5480 mg/kg/YC TFX:CAR JNCIAM 37,365,66

UT20000. PYRIDINE, 3-(p-(DIMETHYLAMINO)PHENYLAZO)-
CAS: 000156052 MW: 216.21 MOLFM: N4-C13-H4
WLN: T6NJ CNUNR DN1&1
SYN: 3'-(4-DIMETHYLAMINOPHENYL)AZOPYRIDINE * N,N-DIMETHYL-p-(3-PYRIDYLAZO)ANILINE * PYRIDINE-3-AZO-p-DIMETHYLANILINE *
TXDS: orl-rat TDLo:7200 mg/kg/200D TFX:CAR JNCIAM 15,67,54

UT21000. PYRIDINE, 4-(p-(DIMETHYLAMINO)PHENYLAZO)-
MW: 226.31 MOLFM: N4-C13-H14
SYN: PYRIDINE-4-AZO-p-DIMETHYLANILINE *
TXDS: orl-rat TDLo:6480 mg/kg/26WC TFX:CAR CNREA8 14,22,54

UT22750. PYRIDINE, 4-((4-(DIMETHYLAMINO)-2,3-XYLYL)AZO)-, 1-OXIDE
CAS: 019456736 MW: 270.37 MOLFM: N4-O-C15-H18
WLN: T6NJ AO DMQ
SYN: 4-((4-(DIMETHYLAMINO)-2,3-XYLYL)AZO)PYRIDINE 1-OXIDE * N,N,2,3-TETRAMETHYL-4-(4'-(PYRIDYL-1'-OXIDE)AZO)ANILINE *
TXDS: orl-rat TDLo:5500 mg/kg/26WC TFX:NEO JNCIAM 41,855,68

UT24500. PYRIDINE, 4-((4-(DIMETHYLAMINO)-2,5-XYLYL)AZO)-, 1-OXIDE
CAS: 019456758 MW: 270.37 MOLFM: N4-O-C15-H18
SYN: 4-((4-(DIMETHYLAMINO)-2,5-XYLYL)AZO)PYRIDINE 1-OXIDE * N,N,2,5-TETRAMETHYL-4-(4'-(PYRIDYL-1'-OXIDE)AZO)ANILINE *
TXDS: orl-rat TDLo:2700 mg/kg/26WC TFX:NEO JNCIAM 41,855,68

UT26250. PYRIDINE, 4-((4-(DIMETHYLAMINO)-3,5-XYLYL)AZO)-, 1-OXIDE
CAS: 019595665 MW: 270.37 MOLFM: N4-O-C15-H18
WLN: T6NJ AO DNUNR C E DN1&1
SYN: 4-((4-(DIMETHYLAMINO)-3,5-XYLYL)AZO)PYRIDINE 1-OXIDE * N,N,2,6-TETRAMETHYL-4-(4'-(PYRIDYL-1'-OXIDE)AZO)ANILINE *
TXDS: orl-rat TDLo:5500 mg/kg/26WC TFX:NEO JNCIAM 41,855,68

UT33250. PYRIDINE, 4-((((4-ETHYL-4-METHYL)AMINO)PHENYL)AZO)-, 1-OXIDE
MW: 256.34 MOLFM: N4-O-C14-H16
WLN: T6NJ AO DNUNR DN2&1
SYN: 4-((((4-ETHYL-4-METHYL)AMINO)PHENYL)AZO)PYRIDINE 1-OXIDE * N-METHYL-N-ETHYL-4-(4'-(PYRIDYL-1'-OXIDE)AZO)ANILINE *
TXDS: orl-rat TDLO:1140 mg/kg/9WC TFX:CAR JNCIAM 37,365,66

UT36750. PYRIDINE, 4-((ETHYLNITROSAMINO)METHYL)-
CAS: 013256230 MW: 165.22 MOLFM: N3-O-C8-H11
WLN: T6NJ DIN2&NO
SYN: 4-((ETHYLNITROSAMINO)METHYL)PYRIDINE * N-NITROSO-4-PICOLYLETHYLAMINE *
TXDS: orl-rat TDLo:1200 mg/kg/14WI TFX:CAR ARZNAD 19,1077,69
ivn-rat TDLo:160 mg/kg/26WI TFX:CAR ARZNAD 19,1077,69

UT57750. PYRIDINE, 3-METHYL-4-NITRO-, 1-OXIDE
MW: 154.14 MOLFM: N2-O3-C6-H6
WLN: T6NJ AO C DNW

SYN: 3-METHYL-4-NITROPYRIDINE 1-OXIDE *
TXDS: scu-mus TDLo:1680 mg/kg/28WI TPX:NEO GANNA2 62,325,71

UT64750. PYRIDINE-1-OXIDE-3-AZO-p-DIMETHYLANILINE
MW: 242.31 MOLFM: N4-O-C13-H14
TXDS: orl-rat TDLo:4300 mg/kg/17WC TPX:CAR CNREA8 14,715,54

UT66500. PYRIDINE-1-OXIDE-4-AZO-p-DIMETHYLANILINE see:UT68250 PYRIDINE 1-OXIDE, 4-((p-DIMETHYLAMINO)PHENYLAZO)-

UT68250. PYRIDINE 1-OXIDE, 4-((p-DIMETHYLAMINO)PHENYLAZO)-
MW: 242.31 MOLFM: N4-O-C13-H14
WLN: T6NJ AO DNUNR DN1&1
SYN: N,N-DIMETHYL-4-(4'(PYRIDYL-1'-OXIDE)AZO)ANILINE * PYRIDINE-1-OXIDE-4-AZO-p-DIMETHYLANILINE *
TXDS: orl-rat TDLo:1140 mg/kg/9WC TPX:CAR JNCIAM 37,365,66

UT78750. PYRIDINE, 3-PYRROL-2-YL-
CAS: 000494984 MW: 144.19 MOLFM: N2-C9-H8
WLN: T6NJ C- BT5NJ
SYN: NORNICOTYRINE * 3-PYRROL-2-YLPYRIDINE *
TXDS: itr-rat TDLo:23 mg/kg TPX:NEO BJCAAI 16,453,62

UU89250. PYRIDO(3',2':5,6)CHRYSENE see:DI22750 BENZO(h)NAPHTHO(1,2-f)QUINOLINE

UU91000. PYRIDO(3',2':3,4)FLUORANTHENE see:LL92750 FLUORENO(9,1-gh)QUINOLINE

UV08750. PYRIDO(2',3':4)PYRENE see:SF61250 PHENALENO(1,9-gh)QUINOLINE

UV10500. 12H-PYRIDO(2,3-a)THIENO(2,3-i)CARBAZOLE
CAS: 000240391 MW: 274.35 MOLFM: N2-S-C17-H10
WLN: T E5 D6 B566 CM HS TNJ
TXDS: scu-mus TDLo:72 mg/kg/13WI TPX:NEO CHDDAT 271,1474,70

UV24500. meta-PYRIDYL-DIETHYL-TRIAZENE see:XY04750 TRIAZENE, DIETHYL-m-PYRIDYL-

UV29750. 1-(meta-PYRIDYL)-3,3-DIMETHYL-TRIAZENE see:XY22750 TRIAZENE, 3,3-DIMETHYL-1-(m-PYRIDYL)-

UV45500. N-2-PYRIDYLSULFANILAMIDE see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

UV47250. N(sup 1)-2-PYRIDYLSULFANILAMIDE see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

UV81000. PYRIMIDINE, 4-CHLORO-6-ETHYLENEIMINO-2-PHENYL-
MW: 231.70 MOLFM: N3-Cl-C12-H10
WLN: WS1&02G
SYN: 4-CHLORO-6-ETHYLENEIMINO-2-PHENYLPYRIMIDINE *
TXDS: scu-rat TDLo:960 mg/kg/16WI TPX:CAR BJPCBM 9,306,54

UV94000. PYRIMIDINE, 5-(beta-NAPHTHYLAZO)-2,4,6-TRIAMINO-
MW: 279.34 MOLFM: N7-C14-H13
SYN: 5-(beta-NAPHTHYLAZO)-2,4,6-TRIAMINOPYRIMIDINE * 5-beta-NAPHTHYL-2:4:6-TRIAMINOAZOPYRIMIDINE *
TXDS: ipr-rat TDLo:300 mg/kg/3WI TPX:CAR JRMSAS 74,59,54

UW68250. 4-PYRIMIDINOL, 2-MERCAPTO- see:YR15750 URACIL, 2-THIO-

UX03500. PYRIZIDIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

UX07000. PYROBENZOL see:CY14000 BENZENE

UY15750. PYRROLIDINE, 1-NITROSO-
CAS: 000930552 MW: 100.14 MOLFM: N2-O-C4-H8
WLN: T5NTJ ANO
SYN: N-NITROSOPYRROLIDINE *
TXDS: orl-rat TDLo:5360 mg/kg/67W TPX:CAR JNCIAM 48,1687,72
unk-rat LD50:900 mg/kg ZEKBAI 69,103,67

UY82250. (2,3,4-gh)PYRROLIZINE-2,6(3H)-DIONE, (4,5,8,10,12,13,13a,13b-OCTAHYDRO-4,5-DIHYDROXY-3,4,5-TRIMETHYL-2H-(1,6)DIOXACYCLOUNDECINO-
CAS: 000315220 MW: 325.40 MOLFM: N-O6-C16-H23
WLN: T55 AN CUTJ FQ D1OV1- ET5OVTJ C D EQ
SYN: MONOCROTALINE *
TXDS: orl-rat LD50:66 mg/kg TXAPA9 18,387,71
ipr-rat TDLo:5 mg/kg TPX:NEO BJCAAI 9,229,55
scu-rat LDLo:60 mg/kg TXAPA9 23,470,72
ivn-rat LD50:92 mg/kg JPETAB 83,265,45
ivn-mus LD50:261 mg/kg JPETAB 75,78,42

UZ01750. 3-PYRROL-2-YLPYRIDINE see:UT78750 PYRIDINE, 3-PYRROL-2-YL-

UZ14000. PYSOCOCCINE see:WOC4000 SULFANILAMIDE

UZ34100. QUECKSILBER (German) see:OV45500 MERCURY

UZ66500. QUICKSAN see:OV64750 MERCURY, (ACETATO)PHENYL-

UZ68250. QUICKSILVER see:OV45500 MERCURY

UZ78750. QUINACRINE ETHYL M/2 see:AR80500 ACRIDINE, 9-(2-(2-CHLOROETHYL)AMINO)ETHYLAMINO)-6-CHLORO-2-METHOXY-, DIHYDROCHLORIDE

UZ80500. QUINACRINE ETHYL MUSTARD see:AR75250 ACRIDINE, 9-(2-(BIS(2-CHLOROETHYL)AMINO)ETHYLAMINO)-6-CHLORO-2-METHOXY-, DIHYDROCHLORIDE

UZ92750. QUINALDIC ACID, 4,8-DIHYDROXY-
CAS: 000059007 MW: 205.18 MOLFM: N-O4-C10-H7
WLN: T66 BNJ CVQ EQ JQ
SYN: 4,8-DIHYDROXYQUINALDIC ACID * 4,8-DIHYDROXYQUINALDINIC ACID * 4,8-DIHYDROXYQUINOLINE-2-CARBOXYLIC ACID * XANTHURENIC ACID * XANTHURIC ACID *
TXDS: imp-mus TDLo:160 mg/kg TFX:NEO ANYAA9 108,924,63

UZ94500. QUINALDIC ACID, 8-HYDROXY-
CAS: 001571308 MW: 189.18 MOLFM: N-O3-C10-H7
WLN: T66 BNJ CVQ JQ
SYN: 8-HYDROXYQUINALDIC ACID *
TXDS: imp-mus TDLo:160 mg/kg/7 TFX:NEO ANYAA9 108,924,63

UZ95500. QUINALDIC ACID, 4-HYDROXY-8-METHOXY-
MW: 219.21 MOLFM: N-O4-C11-H9
TXDS: scu-mus TDLo:5280 mg/kg/44WI TFX:CAR CNREA8 28,183,68

UZ98000. QUINALDINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-
CAS: 017416181 MW: 290.38 MOLFM: N4-C18-H18
WLN: T66 BNJ C GNUNR DN1&1
SYN: 5-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINALDINE * 2'-METHYL-5'-(2'-METHYL-5'-(p-DIMETHYLAMINOPHENYLAZO)QUINOLINE *
TXDS: orl-rat TDLo:540 mg/kg/30DC TFX:CAR JNCIAM 40,891,68

UZ98500. QUINALDINE, 4-NITRO-, 1-OXIDE
CAS: 004821623 MW: 204.20 MOLFM: N2-O3-C10-H8
WLN: T66 BNJ BO C EMQ
TXDS: scu-mus TDLo:120 mg/kg/60DI TFX:NEO BCPCA6 16,631,67

VA12250. QUINAZOLINE
CAS: 000253827 MW: 130.16 MOLFM: N2-C8-H6
WLN: T66 BN DNJ
TXDS: skn-mus TDLo:4000 mg/kg/YI TFX:NEO BJCAAI 17,266,63

VA89250. QUINOL see:HX35000 HYDROQUINONE

VA96000. QUINOLINE, 1-ACETOXY-1,4-DIHYDRO-4-HYDROXYAMINO-, ACETATE (ESTER) see:VB48000 QUINOLINE, 1,4-DIHYDRO-1-ACETOXY-4-HYDROXYAMINO-, ACETATE (ESTER)

VA98000. QUINOLINE-6-AZO-p-DIMETHYLANILINE see:VB56000 QUINOLINE, 6-((p-(DIMETHYLAMINO)PHENYL)AZO)-

VB01750. QUINOLINE, 4-((4-BIS(2-CHLOROETHYL)AMINO)-1-METHYLBUTYL)AMINO-7-CHLORO-DIHYDROCHLORIDE
MW: 461.70 MOLFM: N3-C13-C18-H24 .2C1-H
WLN: T66 BNJ EMY&3N2G2G IG
SYN: 4-((4-(BIS(2-CHLOROETHYL)AMINO)-1-METHYLBUTYL)AMINO-7-CHLOROQUINOLINE, DIHYDROCHLORIDE * CHLOROQUINE MUSTARD (JNCIAM) * ICR-25a * NSC-17118 *
TXDS: ipr-mus TDLo:8 mg/kg/4W TFX:CAR JNCIAM 36,915,66

VB05250. QUINOLINE, 3-BROMO-4-NITRO-, 1-OXIDE
CAS: 014173581 MW: 269.07 MOLFM: N2-O3-Br-C9-H5
WLN: T66 BNJ BO DE FNW
SYN: 3-BROMO-4-NITROQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TFX:NEO BCPCA6 16,631,67

VB07000. QUINOLINE, 6-BUTYL-4-HYDROXYAMINO-, 1-OXIDE
CAS: 021070337 MW: 232.31 MOLFM: N2-O2-C13-H16
WLN: T66 BNJ BO EMQ H4
SYN: 6-BUTYL-4-HYDROXYAMINOQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:60 mg/kg TFX:NEO CPBTAL 17,544,69

VB08750. QUINOLINE, 6-BUTYL-4-NITRO-, 1-OXIDE
CAS: 021070326 MW: 246.29 MOLFM: N2-O3-C13-H14
WLN: T66 BNJ BO ENW H4
SYN: 6-BUTYL-4-NITROQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:60 mg/kg TFX:NEO CPBTAL 17,544,69

VB21000. 6-QUINOLINECARBOXYLIC ACID, 4-(HYDROXYAMINO)-, 1-OXIDE
MW: 220.20 MOLFM: N2-O4-C10-H8
WLN: T66 BNJ BO EMQ HVQ
SYN: 6-CARBOXYL-4-HYDROXYLAMINOQUINOLINE 1-OXIDE * 4-(HYDROXYAMINO)-4-(HYDROXYAMINO)-6-QUINOLINECARBOXYLIC ACID 1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TPX:NEO BCPCA6 16,631,67

VB22750. 6-QUINOLINECARBOXYLIC ACID, 4-NITRO-, 1-OXIDE
MW: 234.18 MOLFM: N2-O5-C10-H6
WLN: T66 BNJ BO ENW HVQ
SYN: 6-CARBOXYL-4-NITROQUINOLINE 1-OXIDE * 4-NITRO-6-QUINOLINECARBOXYLIC ACID 1-OXIDE *
TXDS: scu-rat TDLo:100 mg/kg/20WI TPX:NEO GANNA2 58,397,67
scu-mus TDLo:120 mg/kg/60DI TPX:NEO BCPCA6 16,631,67

VB29750. QUINOLINE, 5-CHLORO-4-(HYDROXYAMINO)-, 1-OXIDE
MW: 210.63 MOLFM: N2-O2-Cl-C9-H7
WLN: T66 BNJ BO EMQ GG
SYN: 5-CHLORO-4-(HYDROXYAMINO)QUINOLINE 1-OXIDE * 5-CHLORO-4-HYDROXYLAMINOQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TPX:NEO BCPCA6 16,631,67

VB31500. QUINOLINE, 6-CHLORO-4-(HYDROXYAMINO)-, 1-OXIDE
MW: 210.63 MOLFM: N2-O2-Cl-C9-H7
WLN: T66 BNJ BO EMQ HG
SYN: 6-CHLORO-4-(HYDROXYAMINO)QUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TPX:NEO BCPCA6 16,631,67

VB33250. QUINOLINE, 7-CHLORO-4-(HYDROXYAMINO)-, 1-OXIDE
CAS: 013442121 MW: 210.63 MOLFM: N2-O2-Cl-C9-H7
WLN: T66 BNJ BO EMQ IG
SYN: 7-CHLORO-4-(HYDROXYAMINO)QUINOLINE 1-OXIDE * 7-CHLORO-4-HYDROXYLAMINOQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TPX:NEO BCPCA6 16,631,67

VB33500. QUINOLINE, 3-CHLORO-4-NITRO-, 1-OXIDE
CAS: 014100528 MW: 212.60 MOLFM: N2-O3-Cl-C8-H5
WLN: T66 BNJ BO DF ENW
TXDS: scu-mus TDLo:347 mg/kg TPX:NEO CPBTAL 17,544,69

VB35000. QUINOLINE, 5-CHLORO-4-NITRO-, 1-OXIDE
CAS: 014076198 MW: 189.16 MOLFM: N2-O3-C9-H5
WLN: T66 BNJ BO ENW GG
SYN: 5-CHLORO-4-NITROQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TPX:NEO BCPCA6 16,631,67

VB36750. QUINOLINE, 6-CHLORO-4-NITRO-, 1-OXIDE
CAS: 003741126 MW: 189.16 MOLFM: N2-O3-C9-H5
WLN: T66 BNJ BO ENW HG
SYN: 6-CHLORO-4-NITROQUINOLINE 1-OXIDE *
TXDS: skn-rat TDLo:43 mg/kg/17WI TPX:CAR GANNA2 53,167,62
scu-mus TDLo:120 mg/kg/60DI TPX:NEO BCPCA6 16,631,67

VB38500. QUINOLINE, 7-CHLORO-4-NITRO-, 1-OXIDE
CAS: 014753141 MW: 224.61 MOLFM: N2-O3-Cl-C9-H5
WLN: T66 BNJ BO ENW IG
SYN: 7-CHLORO-4-NITROQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TPX:NEO BCPCA6 16,631,67

VB43750. QUINOLINE, 6,7-DICHLORO-4-(HYDROXYAMINO)-, 1-OXIDE
CAS: 013442132 MW: 245.07 MOLFM: N2-O2-Cl2-C9-H6
WLN: T66 BNJ BO EMQ HG IG
SYN: 6,7-DICHLORO-4-(HYDROXYAMINO)QUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TPX:NEO BCPCA6 16,631,67

VB45500. QUINOLINE, 6,7-DICHLORO-4-NITRO-, 1-OXIDE
CAS: 014094485 MW: 259.05 MOLFM: N2-O3-Cl2-C9-H4
WLN: T66 BNJ BO ENW HG IG
SYN: 6,7-DICHLORO-4-NITROQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TPX:NEO BCPCA6 16,631,67

VB48000. QUINOLINE, 1,4-DIHYDRO-1-ACETOXY-4-HYDROXYAMINO-, ACETATE (ESTER)
MW: 261.28 MOLFM: N2-O4-C13-H13
WLN: T66 BN EMJ BOV1 EMOV1
SYN: 1-ACETOXY-1,4-DIHYDRO-4-(HYDROXYAMINO)QUINOLINE ACETATE (ESTER) * O,O'-DIACETYL 4-HYDROXYAMINOQUINOLINE 1-OXIDE * QUINOLINE, 1-ACETOXY-1,4-DIHYDRO-4-HYDROXYAMINO-, ACETATE (ESTER) *
TXDS: skn-mus TDLo:112 mg/kg/4WI TPX:NEO PSEBAA 136,1206,71
scu-mus TDLo:60 mg/kg/11WI TPX:NEO PSEBAA 136,1206,71

VB52500. QUINOLINE, 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-
CAS: 017025308 MW: 276.37 MOLFM: N4-C17-H16
WLN: T66 BNJ ENUNR DN1&1
SYN: 4-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOLINE *
TXDS: orl-rat TDLo:2200 mg/kg/17WC TFX:CAR JNCIAM 26,1461,61

VB54250. QUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-
CAS: 017416170 MW: 290.38 MOLFM: N4-C18-H18
WLN: T66 BNJ GNUNR DN1&1
SYN: 5-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOLINE * N,N-DIMETHYL-p-(5'-QUINOLYLAZO) ANILINE *
TXDS: orl-rat TDLo:300 mg/kg/8WC TFX:CAR JNCIAM 40,891,68

VB56000. QUINOLINE, 6-((p-(DIMETHYLAMINO)PHENYL)AZO)-
MW: 276.37 MOLFM: N4-C17-H16
WLN: T66 BNJ ENUNR DN1&1
SYN: 6-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOLINE * QUINOLINE-6-AZO-p-DIMETHYLANILINE *
TXDS: orl-rat TDLo:720 mg/kg/17WC TFX:CAR JNCIAM 26,1461,61

VB57750. QUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-3-METHYL-
CAS: 017400690 MW: 290.38 MOLFM: N4-C18-H18
WLN: T66 BNJ D GNUNR DN1&1
SYN: 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-3-METHYLQUINOLINE * 3'-METHYL-5'-(p-DIMETHYLAMINOPHENYLAZO)QUINOLINE *
TXDS: orl-rat TDLo:2700 mg/kg/26WC TFX:CAR JNCIAM 40,891,68

VB59500. QUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-6-METHYL-
CAS: 017400703 MW: 290.38 MOLFM: N4-C18-H18
WLN: T66 BNJ GNUNR DN1&1 H
SYN: 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-6-METHYLQUINOLINE * 6'-METHYL-5'-(p-DIMETHYLAMINOPHENYLAZO)QUINOLINE *
TXDS: orl-rat TDLo:4100 mg/kg/39WC TFX:NEO JNCIAM 40,891,68

VB61250. QUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-7-METHYL-
CAS: 017400656 MW: 290.38 MOLFM: N4-C18-H18
WLN: T66 BNJ GNUNR DN1&1 I
SYN: 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-7-METHYLQUINOLINE * 7'-METHYL-5'-(p-DIMETHYLAMINOPHENYLAZO)QUINOLINE *
TXDS: orl-rat TDLo:540 mg/kg/30DC TFX:CAR JNCIAM 40,891,68

VB63000. QUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-8-METHYL-
CAS: 017416205 MW: 290.38 MOLFM: N4-C18-H18
WLN: T66 BNJ GNUNR DN1&1 J
SYN: 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-8-METHYLQUINOLINE * 8'-METHYL-5'-(p-DIMETHYLAMINOPHENYLAZO)QUINOLINE *
TXDS: orl-rat TDLo:300 mg/kg/60DC TFX:CAR JNCIAM 40,891,68

VB64750. QUINOLINE, 4-((p-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE
MW: 292.37 MOLFM: N4-O-C17-H16
WLN: T66 BNJ GO ENUNR DN1&1
SYN: 4-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOLINE 1-OXIDE *
TXDS: orl-rat TDLo:2200 mg/kg/17WC TFX:CAR JNCIAM 26,1461,61

VB66500. QUINOLINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE
MW: 292.37 MOLFM: N4-O-C17-H16
WLN: T66 BNJ BO GNUNR DN1&1
SYN: 5-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOLINE 1-OXIDE *
TXDS: orl-rat TDLo:720 mg/kg/17WC TFX:CAR JNCIAM 26,1461,61

VB68250. QUINOLINE, 6-((p-(DIMETHYLAMINO)PHENYL)AZO)-, 1-OXIDE
MW: 292.37 MOLFM: N4-O-C17-H16
WLN: T66 BNJ BO ENUNR DN1&1
SYN: 6-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOLINE 1-OXIDE *
TXDS: orl-rat TDLo:720 mg/kg/17WC TFX:CAR JNCIAM 26,1461,61

VB70000. QUINOLINE, 4-(p-(DIMETHYLAMINO)STYRYL)-
CAS: 000897552 MW: 274.39 MOLFM: N2-C19-H18
WLN: T66 BNJ E1U1R DN1&1
SYN: 4-(p-(DIMETHYLAMINO)STYRYL)QUINOLINE * 4-(4-DIMETHYLAMINOSTYRYL)QUINOLINE * 4M20 *
TXDS: ivn-mus LDLo:160 mg/kg CNREA8 25,938,65
ivn-mus TDLo:100 mg/kg TFX:NEO CNREA8 25,938,65

VB71750. QUINOLINE, 4-(p-(DIMETHYLAMINO)STYRYL)-6,8-DIMETHYL-
CAS: 019716213 MW: 302.45 MOLFM: N2-C21-H22
WLN: T66 BNJ E1U1B DN1&1& H J
SYN: 4-(p-(DIMETHYLAMINO)STYRYL)-6,8-DIMETHYLQUINOLINE * 6,8-DIMETHYL-(4-p-(DIMETHYLAMINO)STYRYL)QUINOLINE *
TXDS: orl-rat TDLo:100 mg/kg/IYI TFX:NEO JNCIAM 41,985,68

VB73500. QUINOLINE, 4-(p-(DIMETHYLAMINO)STYRYL)-, MONOHYDROCHLORIDE
CAS: 021970536 MW: 310.85 MOLFM: N2-C19-H18 .Cl-H
WLN: T66 BNJ E1U1R DN1& &GE
SYN: 4-(p-(DIMETHYLAMINO)STYRYL)QUINOLINE, MONOHYDROCHLORIDE * NSC 63346 *
TXDS: orl-rat TDLo:104 mg/kg/37WI TFX:CAR JNCIAM 41,985,68

VB75250. QUINOLINE, 5-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)-
CAS: 017400689 MW: 290.38 MOLFM: N4-C18-H18
WLN: T66 BNJ GNUNR C DN1&1
SYN: 5-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)QUINOLINE * 3-METHYL-5'-(
3-METHYL-5'-(p-DIMETHYLAMINOPHENYLAZO)QUINOLINE *
TXDS: orl-rat TDLo:1800 mg/kg/17WC TFX:NEO JNCIAM 40,891,68

VB77000. QUINOLINE, 5-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-
CAS: 017416216 MW: 290.38 MOLFM: N4-C18-H18
WLN: T66 BNJ GNUNR B DN1&1
SYN: 5-((4-(DIMETHYLAMINO(-o-TOLYL)AZO)QUINOLINE * 2-METHYL-5'-(
2-METHYL-5'-(p-DIMETHYLAMINOPHENYLAZO)QUINOLINE *
TXDS: orl-rat TDLo:1800 mg/kg/17WC TFX:NEO JNCIAM 40,891,68

VB78750. QUINOLINE, 4,6-DINITRO-, 1-OXIDE
CAS: 001596527 MW: 235.17 MOLFM: N3-O5-C9-H5
WLN: T66 BNJ BO ENW HNW
SYN: 4,6-DINITROQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:560 mg/kg TFX:NEO CPBTAL 17,544,69

VB84000. QUINOLINE, 3-FLUORO-4-NITRO-, 1-OXIDE
CAS: 017576635 MW: 208.16 MOLFM: N2-O3-F-C9-H5
WLN: T66 BNJ BO DF ENW
SYN: 3-FLUORO-4-NITROQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:350 mg/kg TFX:NEO CPBTAL 17,544,69

VB85750. QUINOLINE, 8-FLUORO-4-NITRO-, 1-OXIDE
CAS: 019789696 MW: 208.16 MOLFM: N2-O3-F-C9-H5
WLN: T66 BNJ BO ENW JF
SYN: 8-FLUORO-4-NITROQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:60 mg/kg TFX:NEO CPBTAL 17,544,69

VB87500. QUINOLINE, 4-(HYDROXYAMINO)-5-METHYL-, 1-OXIDE
CAS: 013442074 MW: 190.22 MOLFM: N2-O2-C10-H10
WLN: T66 BNJ BO EMQ G
SYN: 4-(HYDROXYAMINO)-5-METHYLQUINOLINE 1-OXIDE * 5-METHYL-4-HYDROXYLAMINOQUINOLINE
1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TFX:NEO BCPCA6 16,631,67

VB89250. QUINOLINE, 4-(HYDROXYAMINO)-6-METHYL-, 1-OXIDE
CAS: 013442085 MW: 190.22 MOLFM: N2-O2-C10-H10
WLN: T66 BNJ BO EMQ H
SYN: 4-(HYDROXYAMINO)-6-METHYLQUINOLINE 1-OXIDE * 6-METHYL-4-HYDROXYLAMINOQUINOLINE
1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TFX:NEO BCPCA6 16,631,67

VB91000. QUINOLINE, 4-(HYDROXYAMINO)-7-METHYL-, 1-OXIDE
CAS: 013442096 MW: 190.22 MOLFM: N2-O2-C10-H10
WLN: T66 BNJ BO EMQ I
SYN: 4-(HYDROXYAMINO)-7-METHYLQUINOLINE 1-OXIDE * 7-METHYL-4-HYDROXYLAMINOQUINOLINE
1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TFX:NEO BCPCA6 16,631,67

VB92750. QUINOLINE, 4-(HYDROXYAMINO)-8-METHYL-, 1-OXIDE
CAS: 013442109 MW: 190.22 MOLFM: N2-O2-C10-H10
WLN: T66 BNJ BO EMQ J
SYN: 4-(HYDROXYAMINO)-8-METHYLQUINOLINE 1-OXIDE * 8-METHYL-4-HYDROXYLAMINOQUINOLINE
1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TFX:NEO BCPCA6 16,631,67

VB94500. QUINOLINE, 4-(HYDROXYAMINO)-6-NITRO-, 1-OXIDE
CAS: 013442154 MW: 221.19 MOLFM: N3-O4-C9-H7
WLN: T66 BNJ BO EMQ HNW
SYN: 4-(HYDROXYAMINO)-6-NITROQUINOLINE 1-OXIDE * 6-NITRO-4-HYDROXYLAMINOQUINOLINE
1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TFX:NEO BCPCA6 16,631,67

VB96250. QUINOLINE, 4-(HYDROXYAMINO)-7-NITRO-, 1-OXIDE
CAS: 013442165 MW: 221.19 MOLFM: N3-O4-C9-H7
WLN: T66 BNJ BO EMQ INW
SYN: 4-(HYDROXYAMINO)-7-NITROQUINOLINE 1-OXIDE * 7-NITRO-4-HYDROXYLAMINOQUINOLINE
1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TFX:NEO BCPCA6 16,631,67

VB98000. QUINOLINE, 4-(HYDROXYAMINO)-, 1-OXIDE
CAS: 004637563 MW: 176.19 MOLFM: N2-O2-C9-H8
WLN: T66 BNJ BO EMQ
SYN: 4-(HYDROXYAMINO)QUINOLINE 1-OXIDE *
TXDS: scu-rat TDLo:4 mg/kg TFX:NEO PSEBAA 136,1206,71
ivn-rat LDLo:5 mg/kg JNCIAM 53,159,74
ivn-rat TDLo:5 mg/kg TFX:CAR JNCIAM 53,159,74
skn-mus TDLo:1350 mg/kg/18WI TFX:CAR GANNA2 60,161,69
scu-mus TDLo:120 mg/kg/60DI TFX:CAR GANNA2 56,85,65
ivn-mus TDLo:10 mg/kg TFX:CAR TICC** -,20,70

VC01750. QUINOLINE, 4-(HYDROXYAMINO)-, 1-OXIDE, HYDROCHLORIDE
CAS: 001010613 MW: 212.65 MOLFM: N2-O2-C9-H8 .Cl-H
WLN: T66 BKJ BO EMQ &GH
SYN: 4-(HYDROXYAMINO)QUINOLINE 1-OXIDE, HYDROCHLORIDE *
TXDS: orl-rat TDLo:150 mg/kg/45WI TFX:CAR GANNA2 60,627,69
scu-rat TDLo:14 mg/kg/4WI TFX:NEO PSEBAA 136,1206,71
orl-mus TDLo:240 mg/kg/60DI TFX:CAR GANNA2 60,151,69
scu-mus TDLo:9163 ug/kg TFX:CAR JJEMAG 40,475,70

VC07000. QUINOLINE, 2-METHYL-4-HYDROXYLAMINO-, 1-OXIDE
MW: 190.22 MOLFM: N2-O2-C10-H10
WLN: T66 BNJ BO C EMQ
SYN: 4-(HYDROXYAMINO)QUINALDINE 1-OXIDE * 2-METHYL-4-HYDROXYLAMINOQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TFX:NEO BCPCA6 16,631,67

VC10500. QUINOLINE, 5-METHYL-4-NITRO-, 1-OXIDE
CAS: 014094430 MW: 204.20 MOLFM: N2-O3-C10-H8
WLN: T66 BNJ BO ENW G
SYN: 5-METHYL-4-NITROQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TFX:NEO BCPCA6 16,631,67

VC12250. QUINOLINE, 6-METHYL-4-NITRO-, 1-OXIDE
CAS: 000715480 MW: 204.20 MOLFM: N2-O3-C10-H8
WLN: T66 BNJ BO ENW H
SYN: 6-METHYL-4-NITROQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TFX:NEO BCPCA6 16,631,67

VC14000. QUINOLINE, 7-METHYL-4-NITRO-, 1-OXIDE
CAS: 014753130 MW: 204.20 MOLFM: N2-O3-C10-H8
WLN: T66 BNJ BO ENW I
SYN: 7-METHYL-4-NITROQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TFX:NEO BCPCA6 16,631,67

VC15750. QUINOLINE, 8-METHYL-4-NITRO-, 1-OXIDE
CAS: 014094452 MW: 204.20 MOLFM: N2-O3-C10-H8
WLN: T66 BNJ BO ENW J
SYN: 8-METHYL-4-NITROQUINOLINE 1-OXIDE *
TXDS: scu-mus TDLo:120 mg/kg/60DI TFX:NEO BCPCA6 16,631,67

VC17500. QUINOLINE, 2-NITRO-
CAS: 018714346 MW: 174.17 MOLFM: N2-O2-C9-H6
WLN: T66 BNJ CNW
SYN: 2-NITROQUINOLINE *
TXDS: scu-mus TDLo:680 mg/kg/34WI TFX:CAR GANNA2 60,609,69

VC21000. QUINOLINE, 4-NITRO-, 1-OXIDE
CAS: 000056575 MW: 190.17 MOLFM: N2-O3-C9-H6
WLN: T66 BNJ BO ENW
SYN: 4-NITROQUINOLINE-N-OXIDE * 4-NQO * 4-NITROQUINOLINE-1-OXIDE *
TXDS: scu-rat TDLo:70 mg/kg/12WI TFX:CAR JNCIAM 43,729,69
ivn-rat TDLo:20 mg/kg TFX:CAR TICC** -,20,70
imp-rat TDLo:1600 ug/kg TFX:CAR AFJAAG 23,87,73
scu-mus TDLo:8330 ug/kg TFX:CAR JJEMAG 40,475,70
ivn-mus TDLo:20 mg/kg TFX:CAR TICC** -,20,70
imp-mus TDLo:48 mg/kg TFX:CAR CNREA8 33,408,73
skn-gpg TDLo:2400 mg/kg/80W TFX:CAR BJCAAI 20,200,66
skn-ham TDLo:580 mg/kg/14WI TFX:CAR AICCA6 19,519,63
ims-bwd TDLo:35 mg/kg/12WI TFX:NEO ARZNAD 14,842,64

VC22500. QUINOLINE, 1-NITROSO-2,2,4-TRIMETHYL-1,2,-DIHYDRO-, (polymer) see:VC23000 1(2H)-QUINOLINE, 1-NITROSO-2,2,4-TRIMETHYL-, POLYMER

VC23000. 1(2H)-QUINOLINE, 1-NITROSO-2,2,4-TRIMETHYL-, POLYMER
CAS: 029929779 MOLFM: (N2-O-C12-H14)n
WLN: /T66 BN CHJ BNO C C E/
SYN: CURETARD * N-NITROSO-2,2,4-TRIMETHYL-1,2-DIHYDROQUINOLINE, POLYMER * 1-NITROSO-2,2,4-TRIMETHYL-1(2H)-QUINOLINE, POLYMER * QUINOLINE, 1-NITROSO-2,2,4-TRIMETHYL-1,2,-DIHYDRO-, (polymer) *
TXDS: scu-rat TDLo:2500 mg/kg/20WI TFX:CAR BJCAAI 23,408,69
ipr-rat TDLo:2600 mg/kg/26WI TFX:CAR EJCAAH 4,233,68

VC35000. QUINOLINIUM, 6-(p-ACETAMIDOBENZAMIDO)-2-(p-AMINOSTYRYL)-1-METHYL-, ACETATE
CAS: 00343210& MW: 496.61 MOLFM: N4-O2-C27-H25 .O2-C2-H3
WLN: T66 BKJ B C1U1R DZ& HMVR DMV1 &OV1
SYN: 2-(p-AMINO STYRYL)6-(p-ACETYLAMINOBENZOYLAMINO)QUINOLINE METHOACETATE * STYRYL 430 *
TXDS: scu-mus TDLo:270 mg/kg TFX:NEO JPBAA7 47,155,38

VC42000. 8-QUINOLINOL
CAS: 000148243 MW: 145.10 MOLFM: N-O-C9-H7
WLN: T66 BNJ JQ
SYN: BIOQUIN * 8-HYDROXYQUINOLINE * OXIN * OXINE * OXYCHINOLIN * 8-OQ * 8-OXYQUINOLINE * QUINOPHENOL * TUMEX *
TXDS: orl-rat LD50: 1200 mg/kg PCOC** -,602,-
orl-rat TDLo:29 gm/kg/34WI TFX:CAR JNCIAM 41,985,68
ipr-mus LD50:48 mg/kg TXAPA9 5,599,63
imp-mus TDLo:80 mg/kg TFX:NEO BJCAAI 11,212,57
ivg-mus TDLo:4000 mg/kg TFX:NEO BJCAAI 20,184,66
unk-man LD50:1000 mg/kg 30ZDA9 -,410,71

VC52500. 8-QUINOLINOL, COPPER (II) chelate
MW: 351.86 MOLFM: N2-O2-Cu-C18-H12
WLN: T66 BNJ JO 2-CU-
SYN: COPPER 8-HYDROXYQUINOLINE * 8-HYDROXYQUINOLINE COPPER COMPLEX *
TXDS: ipr-mus LD50:67 mg/kg TXAPA9 5,599,63
scu-mus TDLo:156 mg/kg/39WI TFX:NEO JNCIAM 24,109,60

VC82250. 8-QUINOLINOL, 5-NITRO-
CAS: 004008484 MW: 190.17 MOLFM: N2-O3-C9-H6
WLN: T66 BNJ GNW JQ
SYN: 5-NITRO-8-HYDROXYQUINOLINE * 5-NITRO-8-QUINOLINOL *
TXDS: orl-rat TDLo:13 gm/kg/YI TFX:NEO TXAPA9 8,343,66

VC86200. N-(4-QUINOLYL)ACETOHYDROXAMIC ACID see:AL14000 ACETOHYDROXAMIC ACID, N-(4-QUINOLYL)-

VC91000. QUINONE see:DK26250 p-BENZOQUINONE

VC92750. p-QUINONE see:DK26250 p-BENZOQUINONE

VD07000. QUINOPHENOL see:VC42000 8-QUINOLINOL

VD19800. QUINOXALINE, 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-
CAS: 023521133 MW: 277.36 MOLFM: N5-C16-H15
WLN: T66 BN ENJ GWUNR DN1&1
SYN: 5-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOXALINE * N,N-DIMETHYL-p-(5-QUINOXALYLAZO) ANILINE *
TXDS: orl-rat TDLo:2200 mg/kg/17WC TFX:CAR JMCMAR 12,1113,69

VD20000. QUINOXALINE, 6-((p-(DIMETHYLAMINO)PHENYL)AZO)-
CAS: 023521144 MW: 277.36 MOLFM: N5-C16-H15
WLN: T66 BN ENJ HWUNR DN1&1
SYN: 6-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOXALINE * N,N-DIMETHYL-p-(6-QUINOXALINYLAZO) ANILINE * N,N-DIMETHYL-p-(6-QUINOXALYLAZO)ANILINE *
TXDS: orl-rat TDLo:1100 mg/kg/60DC TFX:CAR JMCMAR 12,1113,69

VD43750. QUINTOCENE see:DA66500 BENZENE, PENTACHLORONITRO-

VD44500. QUINTOX see:IO17500 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-6,7-EPOXY-1,4,4a,5,6,7,8,8a- OCTAHYDRO, endo,exo-

VD45500. QUINTOZENE see:DA66500 BENZENE, PENTACHLORONITRO-

VE36750. RADIUM
CAS: 007440144 MW: 226.00 MOLFM: Ra
WLN: RA
TXDS: orl-rat TDLo:400 ug/kg AJPAA4 20,1,44
imp-rbt TDLo:50 ug/kg TFX:CAR JPBAA7 43,267,36
par-gpg TDLo:800 ug/kg TFX:CAR ZPKBAI 38,249,33

VE38500. RADIUM BROMIDE
CAS: 010031239 MW: 385.82 MOLFM: Br2-Ra
WLN: RA E2
TXDS: scu-rat TDLo:20 mg/kg TFX:CAR STRAAA 25,675,27

VE40250. RADIUM CHLORIDE
CAS: 010025668 MW: 296.90 MOLFM: Cl2-Ra
WLN: RA G2
TXDS: orl-rat TDLo:400 ug/kg/20DI TFX:CAR AJPAA4 20,1,44

VE42000. RADIUM SULFATE
CAS: 007446164 MW: 322.06 MOLFM: O4-S-Ra
WLN: .RA..S-O4
TXDS: ims-gpg TDLo:0.4 mg/kg TFX:CAR BUCABS 26,587,37

VE48000. RAKUTO AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

VE49000. RAKUTO BRILLIANT SCARLET 3R see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

VE57750. RANEY NICKEL see:QR59500 NICKEL

VE71000. RASPBERRY RED for JELLIES see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

VE76000. RATON
TXDS: scu-rat TDLo:31 gm/kg/61WI TFX:NEO JNCIAM 46,1131,71

VE82250. RAUMANON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

VE95400. RAY-GLUCIRON see:LZ51500 GLUCONIC ACID, IRON(2+) SALT (2:1)

VE95600. RAZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

VF28200. RECTHORMONE OESTRADIOL see:KG40500 ESTRADIOL, 3-BENZOATE

VF28400. RECTULES see:FH87500 CHLORAL HYDRATE

VF28600. 1302 RED see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

VF28800. 1306 RED see:QK27050 1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT

VF29000. 1508 RED see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

VF29750. 1570 RED see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

VF31500. 1695 RED see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

VF34500. 12101 RED see:QK27050 1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT

VF54250. RED OIL see:RG22750 9-OCTADECENOIC ACID, (Z)-

VF63000. RED 3R SOLUBLE IN GREASE see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

VG08750. RELBAPIRIDINA see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

VG10500. REMALAN BRILLIANT BLUE R see:CB10500 2-ANTHRACENESULFONIC ACID, 1-AMINO-9,10-DIHYDRO-4-(m-((2-HYDROXYETHYL)SULFONYL)ANILINO- 9,10-DIOXO-, HYDROGEN SULFATE (ester), DISODIUM SALT

VG12250. REMAZOL BLACK B see:EA49000 3,6-(BIS(4-((2-HYDROXYETHYL)SULFONYL)PHENYL)BIS(AZO))-5-AMINO-4-HYDROXY-2,7-NAPHTHALENEDISULFONIC ACID, DI(HYDROGEN SULFATE) (ester), TETRASODIUM SALT

VG14000. REMAZOL BRILLIANT BLUE R see:CB10500 2-ANTHRACENESULFONIC ACID, 1-AMINO-9,10-DIHYDRO-4-(m-((2-HYDROXYETHYL)SULFONYL)ANILINO- 9,10-DIOXO-, HYDROGEN SULFATE (ester), DISODIUM SALT

VG15750. REMAZOL RED B see:QK21000 1-NAPHTHALENESULFONIC ACID, 5-HYDROXY-6-((m-((2-HYDROXYETHYL)SULFONYL)PHENYL)AZO)-, HYDROGEN SULFATE (ester), DISODIUM SALT

VG17500. REMAZOL YELLOW G see:DB70000 BENZENESULFONIC ACID, p-((4-(5-((2-HYDROXYETHYL)SULFONYL)-2-METHOXYPHENYL)AZO)-5-HYDROXY- 3-METHYLPYRAZOL-1-YL)-3-CHLORO-5-METHYL-, HYDROGEN SULFATE (ester), DISODIUM SALT

VG29750. RENAL MD see:XS96250 TOLUENE-2,4-DIAMINE

VG71500. RESINOL ORANGE R see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

VG73500. RESINOL RED 2B see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

VG75250. RESINOL YELLOW GR see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

VG75500. RESIN SCARLET 2R see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

VG98800. RESORCINOL with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:4800 mg/kg/12WI TFX:NEO CNREA8 19,413,59

VH15750. RESOPCINOL, 4-HEXYL-
CAS: 000136776 MW: 194.30 MOLFM: O2-C12-H18
WLN: QR CQ D6
SYN: CAPROKOL * CRYSTOIDS * CYSTOIDS ANTHELMINTIC * 4-HEXYL-1,3-DIHYDROXYBENZENE * 4-HEXYLRESORCINE * HEXYLRESORCINOL * HEXYLRESORCINOL * p-HEXYLRESORCINOL * 4-HEXYLRESORCINOL * 4-n-HEXYLRESORCINOL * SUCRETS * S.T. 37 * SUCRETS *
TXDS: orl-rat LD50:550 mg/kg 12VXA5 8,531,68
unk-mus LDLo:100 mg/kg ATMPA2 32,177,38
ivg-mus TDLo:2480 mg/kg/31W TFX:NEO BJCAAI 20,184,66

VH32300. RESORCINOL PHTHALEIN SODIUM see:LM54250 FLUORESCEIN, DISODIUM SALT

VH38500. RESOTROPIN see:MN47250 HEXAMETHYLENETETRAMINE

VH70000. RETOZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

VH73500. RETRONECINE HYDROCHLORIDE
MW: 191.68 MOLFM: N-O2-C8-H13 .Cl-H
TXDS: scu-rat LDLo:1000 mg/kg JNCIAM 49,665,72
scu-rat TDLo:600 mg/kg TFX:CAR JNCIAM 49,665,72

VH75250. RETRORSINE
CAS: 000480546 MW: 351.44 MOLFM: N-O6-C18-H25
WLN: T55-12- 1A Q EN IOVY OVO BUTJ KU2 M NQ N1Q
TXDS: orl-rat TDLo:30 mg/kg TFX:CAR BJCAAI 17,242,63
ipr-rat TDLo:150 mg/kg/22W TFX:CAR BJCAAI 11,535,57
ivn-rat LD50:38 mg/kg ELCRT* 5,55,49
ivn-mus LD50:59 mg/kg ELCRT* 5,55,49

VH77000. RETRORSINE-N-OXIDE
CAS: 000547046 MW: 367.44 MOLFM: N-O7-C18-H25
WLN: T55-12- 1A Q EK IOVY OVO BUTJ EO KU2 M NQ N1Q
SYN: ISATIDINE *
TXDS: orl-rat TDLo:1044 mg/kg/87W TFX:CAR BJCAAI 8,458,54
ipr-rat TDLo:225 mg/kg/9W TFX:CAR BJCAAI 11,535,57
ivn-mus LD50:835 mg/kg JPETAB 75,83,42

VI22750. RHODAMINE B see:BP36750 AMMONIUM, (9-(o-CARBOXYPHENYL)-6-(DIETHYLAMINO)-3H-XANTHEN-3-YLIDENE)DIETHYL-, CHLORIDE

VI24500. RHODAMINE B EXTRA see:BP36750 AMMONIUM, (9-(o-CARBOXYPHENYL)-6-(DIETHYLAMINO)-3H-XANTHEN-3-YLIDENE)DIETHYL-, CHLORIDE

VJ05250. RHOTHANE see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

VJ05500. RHOTHANE D-3 see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

VJ28000. RICINIC ACID see:VJ31500 RICINOLEIC ACID

VJ31500. RICINOLEIC ACID
CAS: 000141220 MW: 298.52 MOLFM: O3-C18-H34
WLN: QY6&2U8VQ
SYN: 12-HYDROXY-cis-9-OCTADECENOIC ACID * L'ACIDE RICINOLEIQUE (French) * 9-OCTADECENOIC ACID, 12-HYDROXY-, (Z)- * OLEIC ACID, 12-HYDROXY- * RICINIC ACID * RICINOLIC ACID *
TXDS: scu-rbt TDLo:3120 mg/kg/52WI TFX:NEO CRSBAW 137,760,43

VJ36750. RICINOLIC ACID see:VJ31500 RICINOLEIC ACID

VJ37550. RIDDELLIINE see:VJ38500 RIDDELLINE

VJ38500. RIDDELLINE
CAS: 023246960 MW: 349.42 MOLFM: N-O6-C18-H23
SYN: RIDDELLIINE *
TXDS: unk-rat TDLo:209 mg/kg/52W TFX:NEO BJCAAI 11,535,57
ivn-mus LD50: 105 mg/kg JPETAB 78,372,43

VJ73000. RIMICID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

VJ73500. RIMIPON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

VJ74400. RIMITSID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

VJ88300. RITMENAL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

VK28380. RO 2-9757 see:YR03500 URACIL,5-FLUORO

VK32400. RO 4-2130 see:WP07000 SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-

VK35000. RO 4-6467 see:XS47250 p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

VK63200. ROBISELIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

VK64750. ROBISELLIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

VK66200. ROCK OIL see:SE71750 PETROLEUM

VK71750. RODILONE see:AE71750 ACETANILIDE, 4',4'''-SULFONYLBIS-

VK96250. RONIN see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

VL01750. RONONE see:DJ28000 (1)BENZOPYRANO(3,4-b)FURO(2,3-h)(1)BENZOPYRAN-6(6a-alpha-H)-ONE, 1,2,12,12a-alpha-TETRAHYDRO-2-alpha-ISOPROPENYL-8,9-DIMETHOXY-

VL08750. ROTENON see:DJ28000 (1)BENZOPYRANO(3,4-b)FURO(2,3-h)(1)BENZOPYRAN-6(6a-alpha-H)-ONE, 1,2,12,12a-alpha-TETRAHYDRO-2-alpha-ISOPROPENYL-8,9-DIMETHOXY-

VL10500. ROTENONE see:DJ28000 (1)BENZOPYRANO(3,4-b)FURO(2,3-h)(1)BENZOPYRAN-6(6a-alpha-H)-ONE, 1,2,12,12a-alpha-TETRAHYDRO-2-alpha-ISOPROPENYL-8,9-DIMETHOXY-

VL17500. ROTHANE see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

VL19250. ROTOCIDE see:DJ28000 (1)BENZOPYRANO(3,4-b)FURO(2,3-h)(1)BENZOPYRAN-6(6a-alpha-H)-ONE, 1,2,12,12a-alpha-TETRAHYDRO-2-alpha-ISOPROPENYL-8,9-DIMETHOXY-

VL22200. ROXIPEN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

VL26800. RP 2090 see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

VL62400. 5015 R.P. see:NS17500 ISONICOTINIC ACID HYDRAZIDE

VL71200. RP 8823 see:NI56000 IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-

VL78700. RTEC (Polish) see:OV45500 MERCURY

VL84000. RUBIAZOL A see:WO84000 SULFANILAMIDE

VL91100. RUBIDOMYCIN, HYDROCHLORIDE see:HB78750 DAUNOMYCIN

VM14000. RU-EF-TB see:NS17500 ISONICOTINIC ACID HYDRAZIDE

VM27000. RUTHENIUM SALT of TETRAMETHYLPHENANTHRENE see:SF79250 PHENANTHRENE, TETRAMETHYL-, RUTHENIUM SALT

VM89250. SACCHARATED IRON see:NO77000 IRON OXIDE, SACCHARATED

VM91000. SACCHARIN see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

VM94500. SACCHARIN ACID see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

VM94700. SACCHARINE see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

VM94900. 550 SACCHARINE see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

VM96250. SACCHARIN INSOLUBLE see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

VN08750. SACCHARINOL see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

VN10500. SACCHARINOSE see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

VN12250. SACCHAROL see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

VN14000. SACCHARUM LACTIN see:OD96250 LACTOSE

VN14800. SACERIL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

VN16000. SACESISCHBLAU see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

VN22750. SAFROL see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

VN24500. SAFROLE see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

VN26250. SAFROLE, DIHYDRO- see:DA61250 BENZENE, 1,2-METHYLENEDIOXY-4-PROPYL

VN28000. SAFROLE MP see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

VN48000. SALI
TXDS: scu-rat TDLo:31 gm/kg/61WI TFX:NEO JNCIAM 46,1131,71

VP05250. SALT OF SATURN see:AI52500 ACETIC ACID, LEAD(2+) SALT

VP33250. SANAMID see:WO84000 SULFANILAMIDE

VP35000. SANAMYCIN see:AU14000 ACETINOMYCIN C

VP38500. SANDAMYCIN see:AU14000 ACETINOMYCIN C

VP46900. SAN-EI AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

VP47250. SAN-EI BRILLIANT SCARLET 3R see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

VP47500. SAN-EI INDIGO CARMINE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

VP48050. SANEPIL see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

VP56000. SANITIZED SPG see:OV64750 MERCURY, (ACETATO)PHENYL-

VP60360. SANORIDRAZINA see:NS17500 ISONICOTINIC ACID HYDRAZIDE

VP65550. SANTAVY'S SUBSTANCE P see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

VP69500. SANTOBANE see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

VP71750. SANTOCHLOR see:CZ45500 BENZENE, p-DICHLORO-

VQ01750. SANYO FAST BLUE SALT B see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

VQ21000. p-L-SARCOLYSIN see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-

VQ21950. SARCOLYSINE see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-

VQ22750. D-SARCOLYSINE see:AY35000 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, D-

VQ28000. L-SARCOLYSINE see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-

VQ31500. SARCOSINE, N-NITROSO-
CAS: 013256229 MW: 117.10 MOLFM: N2-O3-C3-H5
WLN: QV1N1&NO
SYN: N-NITROSOSARCOSINE *
TXDS: orl-rat TDLo:29 gm/kg/41WI TFX:NEO ARZNAD 19,1077,69

VQ33250. SARCOSINE, N-NITROSO-, ETHYL ESTER
CAS: 013344508 MW: 146.17 MOLFM: N2-O3-C5-H10
WLN: ONN1&1VO2
SYN: N-NITROSOSARCOSINE, ETHYL ESTER *
TXDS: orl-rat TDLo:9700 mg/kg/28W TFX:CAR ARZNAD 19,1077,69

VQ40250. SARKOLYSIN see:AY36750 ALANINE, 3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-, L-

VQ43750. SARKOMYCIN, SODIUM SALT see:GY29750 CYCLOPENTANECARBOXYLIC ACID, 2-METHYLENE-3-OXO-, SODIUM SALT

VQ45500. SARKOMYCIN B*, SODIUM SALT see:GY29750 CYCLOPENTANECARBOXYLIC ACID, 2-METHYLENE-3-OXO-, SODIUM SALT

VQ61250. SAUTERAZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

VQ61800. SAUTERZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

VQ77160. SC 4725 see:RC89600 17-alpha-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, 3-METHOXY-

VQ92750. SCARLET R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

VQ94500. SCARLET 2R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

VQ96250. SCARLET 4R see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

VQ98000. SCARLET 4RA see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

VR01750. SCARLET 2RB see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

VR03500. SCARLET RED see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

VR05250. SCARLET RED, BIEBRICH see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

VR07000. SCARLET 2RL BLUISH see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

VR08750. SCARLET RRA see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

VR61250. SCUTL see:OV64750 MERCURY, (ACETATO)PHENYL-

VS01750. SDMF see:MV26250 HYDRAZINE,1,2-DIMETHYL-

VS30500. 16,17-SECOESTRA-1,5,5,7,9-PENTAEN-17-OIC ACID, 3-METHOXY-
MW: 298.41 MOLFM: O3-C19-H22
WLN: L B666T&&J E01 K2 LVQ L
TXDS: imp-ham TDLo:140 mg/kg/90D TFX:CAR NCINS* 1,1,59
imp-gpg TDLo:31 mg/kg TFX:NEO BSBSAS 8,142,51

VS30750. 16,17-SECO-13-alpha-ESTRA-1,3,5,6,7,9-PENTAEN-17-OIC ACID, METHYL ESTER
CAS: 005684139 MW: 298.22 MOLFM: O3-C19-H22
WLN: L B666&&TJ EQ K2 LV01 L
TXDS: scu-gpg TDLo:4.68 mg/kg/90D TFX:NEO BSBSAS 8,142,51
imp-gpg TDLo:5928 ug/kg TFX:NEO BSBSAS 8,142,51

VS31500. 16,17-SECOESTRA-1,3,5(10)-TRIEN-17-OIC ACID, 3-HYDROXY-
CAS: 000482495 MW: 288.24 MOLFM: O3-C18-H24
WLN: L B666&TTJ EQ K2 LVQ L
SYN: DOISYNOLIC ACID * 1-ETHYL-1,2,3,4,4a,9,10,10a-OCTAHYDRO-7-HYDROXY-2-METHYL-2-PHENANTHRENECARBOXYLIC ACID * 1-ETHYL-7-HYDROXY-2-METHYL-1,2,3,4,4a,9,10,10a-OCTAHYDROPHENANTHRENE-2-CARBOXYLIC ACID *
TXDS: orl-gpg TDLo:72 mg/kg/12WC TFX:NEO RSABAC 25,215,49

VS46600. SEDA-TABLINEN see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

VS59500. SEEDRIN see:IO21000 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-, endo,exo-

VS87500. SELENIUM DIETHYLDITHIOCARBAMATE see:VT07000 SELENIUM, TETRAKIS(DIETHYLDITHIOCARBAMATO)-

VT07000. SELENIUM, TETRAKIS(DIETHYLDITHIOCARBAMATO)-
CAS: 017156831 MW: 668.04 MOLFM: N4-S8-C20-H36 .Se
WLN: SUYSHN2&2 &-SP-
SYN: ETHYL SELENAC * SELENIUM DIETHYLDITHIOCARBAMATE * TETRAKIS(DIETHYLDITHIOCARBAMATO)SELENIUM *
TXDS: orl-mus TDLo:3060 mg/kg/81WIC TFX:CAR JNCIAM 42,1101,69

VT29750. SEMICARBAZIDE
CAS: 000057567 MW: 75.09 MOLFM: N3-O-C-H5
WLN: ZVMZ
SYN: AMINOUREA * CARBAMYLHYDRAZINE * CARBAMIC ACID, HYDRAZIDE- * CARBAZAMIDE * HYDRAZINE, CARBAMOYL- * HYDRAZINECARBOXAMIDE * UREA, AMINO- *
TXDS: ivn-man TDLo:40 mg/kg TFX:CNS JPETAB 122,110,58
scu-rat LD50:173 mg/kg JPETAB 119,444,57
orl-mus LD50:176 mg/kg JPETAB 122,110,58
orl-mus TDLo:42 gm/kg/30WC TFX:NEO GANNA2 51,83,60
ipr-mus LD50:123 mg/kg JPETAB 122,110,58
scu-mus LD50:105 mg/kg JPETAB 119,444,57
ivn-mus LD50:126 mg/kg JPETAB 122,110,58

VT33250. SEMICARBAZIDE, 1-FORMYL-3-THIO-
CAS: 002302843 MW: 119.16 MOLFM: N3-O-S-C2-H5
WLN: VEMMYZUS
SYN: 1-FORMYL-3-THIOSEMICARBAZIDE *
TXDS: orl-rat TDLo:43 gm/kg/46WC TFX:NEO JNCIAM 47,437,71

VT55350. SENECA OIL see:SE71750 PETROLEUM

VT63000. SEPTAMIDE ALBUM see:WO84000 SULFANILAMIDE

VT64750. SEPTANILAM see:WO84000 SULFANILAMIDE

VT66500. SEPTINAL see:WO84000 SULFANILAMIDE

VT70000. SEPTIPULMON see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

VT73500. SEPTOLIX see:WO84000 SULFANILAMIDE

VT75250. SEPTOPLEX see:WO84000 SULFANILAMIDE

VT77000. SEPTOPLIX see:WO84000 SULFANILAMIDE

VU24500. SERPENTINE
CAS: 014567669
SYN: SERPENTINE (MINERAL) *
TXDS: ipl-mus TDLo:400 mg/kg TFX:NEO BJEPA5 53,190,72

VU25300. SERPENTINE (MINERAL) see:VU24500 SERPENTINE

VU31500. SERRAL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

VU42000. SETACYL DIAZO NAVY R see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

VU47250. SETRETE see:OV64750 MERCURY, (ACETATO)PHENYL-

VU49000. SEVENAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

VU52500. SEVIDOL see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

VU54250. SEVIN see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

VU56000. SEXOCRETIN see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

VU77000. SHELL GOLD see:MD50750 GOLD

VU89250. SHIKIMOLE see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

VU89600. SHIKISO AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

VU90050. SHIKOMOL see:CY28000 BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

VV03500. SIBOL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

VV72550. SILANTIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

VV73000. SILASTIC see:TQ27000 POLYDIMETHYLSILOXANE RUBBER

VV89250. SILICIC ACID, BERYLLIUM SALT
CAS: 013598000 MW: 110.11 MOLFM: O4-Si .2Be
WLN: .BE2.SI-O4
SYN: BERYLLIUM SILICATE * BERYLLIUM ortho SILICATE * PHENACITE * PHENAKITE * PHENAZITE *
TXDS: ivn-rbt TDLo:500 mg/kg TFX:CAR AICCA6 7,171,50
imp-rbt TDLo:10 mg/kg TFX:NEO ARPAAQ 88,89,69
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 2 ug/m3;CL5 ug/m3;PKFEREAC 37,22139,72
CRIT DOC: OCCUPATIONAL EXPOSURE TO BERYLLIUM NTIS** PB210-806

VV91000. SILICIC ACID, BERYLLIUM ZINC SALT
MW: 134.47 MOLFM: O2-Si .Zn .Be
WLN: .BE..ZN.SI-O4
SYN: ZINC BERYLLIUM SILICATE *
TXDS: itr-rat LDLo:500 mg/kg NTIS** AEC-TR-6710,173,67
ivn-rbt TDLo:500 mg/kg/10WI TFX:CAR JBJSA3 38A,809,56
ims-rbt TDLo:20 mg/kg TFX:CAR BJCAAI 20,778,66
imp-rbt TDLo:10 mg/kg TFX:CAR ARPAAQ 88,89,69

VW17500. SILICONE RUBBER
TXDS: imp-rat TDLo:125 mg/kg TFX:NEO PMSUAR 24,77,61

VW28800. SILON see:RF52500 NYLON

VW30550. SILOTRAS ORANGE TR see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

VW31500. SILOTRAS RED T3B see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

VW33250. SILOTRAS YELLOW T2G see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

VW85750. SINCORTEX see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

VW88600. SINESTROL see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

VW91000. SINOMIN see:WP07000 SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-

VX17750. SIRAN HYDRAZINU (Czech) see:HV96250 HYDRAZINE, SULFATE (1:1)

VX71750. S MUSTARD see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)

VX82250. SNEEZING GAS see:CH64750 ARSINE, DIPHENYLCHLORO-

VX98800. SODANTOIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

VY01750. SODANTON see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

VY05900. SODIO (DICROMATO DI) (Italian) see:HX77000 DICHROMIC ACID, DISODIUM SALT

VY81250. SODIUM AZO-alpha-NAPHTHOLSULFANILATE see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

VZ03500. SODIUM BENZYLPENICILLIN see:XH98000 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-, MONOSODIUM SALT

VZ05250. SODIUM BENZYLPENICILLINATE see:XH98000 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYLACETAMIDO)-, MONOSODIUM SALT

VZ42000. SODIUM CARBOXYMETHYL CELLULOSE see:FJ59500 CELLULOSE, CARBOXYMETHYL ETHER, SODIUM SALT

VZ73000. SODIUM CUMENEAZO-beta-NAPHTHOL DISULFONATE see:QJ66500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((2,4,5-TRIMETHYLPHENYL)AZO)-, DISODIUM SALT

VZ77000. SODIUM CYCLAMATE see:GV73500 CYCLOHEXANESULFAMIC ACID, MONOSODIUM SALT

VZ77100. SODIUM CYCLAMATE mixed with SODIUM SACCHARIN (10:1) see:GV74000 CYCLOHEXANESULFAMIC ACID, MONOSODIUM SALT mixed with 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE, SODIUM SALT (10:1)

VZ77800. SODIUM CYCLOHEXANESULFAMATE see:GV73500 CYCLOHEXANESULFAMIC ACID, MONOSODIUM SALT

VZ80500. SODIUM CYCLOHEXYL SULFAMATE see:GV73500 CYCLOHEXANESULFAMIC ACID, MONOSODIUM SALT

WA14000. SODIUM DICHROMATE(VI) see:HX77000 DICHROMIC ACID, DISODIUM SALT

WA14950. SODIUM(DICHROMATE DE) (French) see:HX77000 DICHROMIC ACID, DISODIUM SALT

WA25200. SODIUM DIPHENYL-4,4'-BIS-AZO-2"-8"-AMINO-1"-NAPHTHOL-3",6"-DISULPHONATE see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

WA33250. SODIUM DITOLYLDISAZOBIS-8-AMINO-1-NAPHTHOL-3,6-DISULFONATE see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)-BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

WA98000. SODIUM FLUORESCEIN see:LM54250 FLUORESCEIN, DISODIUM SALT

WB01750. SODIUM FLUORESCEINATE see:LM54250 FLUORESCEIN, DISODIUM SALT

WB61700. SODIUM INDIGOTINDISULFONATE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

WB67500. SODIUM 5,5'-INDIGOTIDISULFONATE see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

WB68000. SODIUM 5-IODO-2-THIOURACIL see:YR06000 URACIL, 5-IODO-2-THIO-, SODIUM SALT

WC19250. SODIUM METHANESULFONATE see:NS22750 ISONICOTINIC ACID, 2-(SULFOMETHYL)HYDRAZIDE, SODIUM SALT

WC55050. SODIUM-22 NEOPRENE ACCELERATOR see:NI96250 2-IMIDAZOLIDINETHIONE

WC94500. SODIUM PENICILLIN G see:XH98000 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYL= ACETAMIDO)-, MONOSODIUM SALT

WC96250. SODIUM PENICILLIN II see:XH98000 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYL= ACETAMIDO)-, MONOSODIUM SALT

WD85800. SODIUM SACCHARIN mixed with SODIUM CYCLAMATE (1:10) see:GV74000 CYCLOHEXANESULFAMIC ACID, MONOSODIUM SALT mixed with 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE, SODIUM SALT (10:1)

WD94800. SODIUM SALT of ISONICOTINIC ACID see:NS21000 ISONICOTINIC ACID, SODIUM SALT

WD96250. SODIUM SARKOMYCIN see:GY29750 CYCLOPENTANECARBOXYLIC ACID, 2-METHYLENE-3-OXO-, SODIUM SALT

WE11600. SODIUM SUCARYL see:GV73500 CYCLOHEXANESULFAMIC ACID, MONOSODIUM SALT

WE85900. SODIUM ZIRCONIUM LACTATE see:OD57750 LACTIC ACID, SODIUM ZIRCONIUM SALT (4:4:1)

WE86100. SODIUM ZIRCONIUM LACTATE (20%) mixed with SODIUM STEARATE (80%) see:OD58300 LACTIC ACID, SODIUM ZIRCONIUM SALT, mixed with STEARIC ACID, SODIUM SALT

WF05680. SOLANTIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

WF06110. SOLANTOIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

WF06540. SOLANTYL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

WF06750. SOLAR RED O see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

WF18000. SOLESTRO see:KG40500 ESTRADIOL, 3-BENZOATE

WF28500. SOLGANAL see:MD64750 GOLD, (1-THIO-D-GLUCOPYRANOSATO)-

WF28550. SOLGANAL B see:MD64750 GOLD, (1-THIO-D-GLUCOPYRANOSATO)-

WF32300. SOLID GREEN FCF see:BQ44250 AMMONIUM, ETHYL(4-(alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)-PHENYL)-4-HYDROXY-3-SULFOBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE INNER SALT, DISODIUM SALT

WF34000. SOLLICULIN see:KG85750 ESTRONE

WF40250. SOLUBLE FLUORESCEIN see:LM54250 FLUORESCEIN, DISODIUM SALT

WF42000. SOLUBLE FLUORESCEINE see:LM54250 FLUORESCEIN, DISODIUM SALT

WF42800. SOLUBLE INDIGO see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

WF69050. SOLVENT YELLOW 14 see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

WF78100. SOMALIA ORANGE I see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

WF78300. SOMALIA ORANGE A2R see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

WF78500. SOMALIA ORANGE 2R see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

WF78750. SOMALIA RED IV see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

WF80500. SOMALIA YELLOW A see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

WF82250. SOMALIA YELLOW 2G see:BY82250 ANILINE, p-(PHENYLAZO)-

WF84000. SOMALIA YELLOW R see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

WF96800. SOMNOS see:FM87500 CHLORAL HYDRATE

WF98000. SOMONAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

WG08250. SONTEC see:FM87500 CHLORAL HYDRATE

WG21000. SORBIC ACID
CAS: 000110441 MW: 112.14 MOLFM: O2-C6-H8
WLN: QV1U2U2
SYN: ACETIC ACID, (2-BUTENYLIDENE)- * ACETIC ACID, CROTYLIDENE- * HEXADIENIC ACID * HEXADIENOIC ACID * 2,4-HEXADIENOIC ACID * trans-trans-2,4-HEXADIENOIC ACID * 1,3-PENTADIENE-1-CARBOXYLIC ACID * 2-PROPENYLACRYLIC ACID * SORBISTAT *
TXDS: unk-hmn LDLo:5000 mg/kg HBTXAC 2,159,59
scu-rat TDLo:2600 mg/kg/65W TFX:CAR BJCAAI 20,134,66

WG26250. SORBIC OIL see:UQ05250 2H-PYRAN-2-ONE, 5,6-DIHYDRO-6-METHYL-

WG28800. SORBISTAT see:WG21000 SORBIC ACID

WG35850. SORSAKA
TXDS: scu-rat TDLo:31 gm/kg/61WI TFX:NEO JNCIAM 46,1131,71

WG36750. SOTERENOL HYDROCHLORIDE see:PB05250 METHANESULFONANILIDE, 2'-HYDROXY-5'-(1-HYDROXY-2-(ISOPROPYLAMINO)ETHYL)-, MONOHYDROCHLORIDE

WG78750. SPECTROLENE BLUE B see:DD08750 BENZIDINE, 3,3'-DIMETHOXY-

WG96250. SPIRITS OF WINE see:KQ63000 ETHYL ALCOHOL

WG98000. SPIRO(BENZOFURAN-2(3H),1'-(2)CYCLOHEXENE)-3,4'-DIONE, 7-CHLORO-2',4,6=-TRIMETHOXY-6'-beta-METHYL-
CAS: 000126078 MW: 352.62 MOLFM: O6-Cl-C17-H17
WLN: T56 BOXVJ FO1 HO1 IG C-& DL6V DX BUTJ CO1 E
SYN: ACURLING FACTOR * FULCIN * FULVICIN * GRIFULVIN * GRISACTIN * GRISEOFULVIN * GRISEOFULVIN-FORTE * GRISOFULVIN * GRISOVIN * GRYSIO *
TXDS: orl-rat TDLo:50 mg/kg/(11-14th D of preg) TFX:TER ANTBAL 14,44,69

orl-mus TDLo:73 gm/kg/52WC TFX:NEO CNREA8 26,721,66
ipr-mus LD50: 200 mg/kg CURL** -,100,62
scu-mus TDLo:120 mg/kg/4WI TFX:NEO TXAPA9 14,613,69

WH05800. SPIRT see:KQ63000 ETHYL ALCOHOL

WH22750. SQ 16819 see:PB17500 CARBAMIC ACID, HYDROXY-, ETHYL ESTER

WH31500. S.T. 37 see:VH15750 RESORCINOL, 4-HEXYL-

WH97050. STANOZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

WI35000. STEARIC ACID, 2,3-EPOXYPROPYL ESTER
MW: 340.61 MOLFM: O3-C21-H40
WLN: T3OTJ B1OV18
SYN: GLYCIDYL STEARATE *
TXDS: scu-mus TDLo:26 gm/kg/33WI TFX:NEO CNREA8 30,1037,70

WI38500. STEARIC ACID, 12-HYDROXY-
CAS: 000106149 MW: 300.54 MOLFM: O3-C18-H36
WLN: QV1OYQ6
SYN: 12-HYDROXYSTEARIC ACID *
TXDS: scu-mus TDLo:160 mg/kg/40WI TFX:NEO CNREA8 30,1037,70

WI42000. STEARIC ACID, 12-HYDROXY-, METHYL ESTER
CAS: 000141231 MW: 314.57 MOLFM: O3-C19-H38
WLN: QY6&1OVO1
SYN: 12-HYDROXYSTEARIC ACID, METHYL ESTER * METHYL 12-HYDROXYSTEARATE *
TXDS: scu-mus TDLo:1600 mg/kg/40WI TFX:NEO CNREA8 30,1037,70

WI44500. STEARIC ACID, 4-OXO-
MW: 298.5 MOLFM: O3-C18-H34
SYN: 4-KETOSTEARIC ACID *
TXDS: scu-mus TDLo:2000 mg/kg/12WI TFX:NEO CNREA8 30,1037,70

WI49000. STEARIN, TRI-
CAS: 000555431 MW: 896.80 MOLFM: O6-C57-H110
WLN: 17VO 3/1Y1/
SYN: GLYCERYL TRISTEARATE * TRISTEARIN *
TXDS: scu-mus TDLo:1330 mg/kg TFX:NEO BJCAAI 13,439,59

WI49800. STEARIX ORANGE see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

WI50750. STEARIX RED 4B see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

WI52500. STEARIX RED 4S see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

WI54250. gamma-STEAROLACTONE see:LU38500 2(3H)-FURANONE, DIHYDRO-5-TETRADECYL-

WI57500. 1-STEAROYLAZIRIDINE see:CM88500 AZIRIDINE, 1-STEAROYL-

WI58000. STEAROYL ETHYLENEIMINE see:CM88500 AZIRIDINE, 1-STEAROYL-

WI61250. STEAR YELLOW JB see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

WI77000. STEINBUHL YELLOW see:GB28000 CHROMIC ACID, CALCIUM SALT, DIHYDRATE

WI83350. STENTAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

WI84000. STENTAL EXTENTABS see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

WI92750. STEPAQ see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

WI94500. STERIGMATOCYSTIN see:LV17500 7H-FURO(3',2':4,5)FURO(2,3-c)XANTHEN-7-ONE, 3a,12c-DIHYDRO-8-HYDROXY-6-METHOXY-

WJ29750. STIL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

WJ35000. 4-STILBENAMINE
CAS: 000834242 MW: 195.28 MOLFM: N-C14-H13
WLN: ZR CQ DVQ
SYN: 4-AMINOSTILBENE *
TXDS: scu-rat TDLo:31 mg/kg/5WI TFX:CAR CNREA8 24,128,64
orl-mus TDLo:18 gm/kg/78WI TFX:NEO BJCAAI 19,297,65

WJ36750. 4-STILBENAMINE, 2'-CHLORO-N,N-DIMETHYL-
MW: 257.78 MOLFM: N-Cl-C16-H16
WLN: GR B1U1R DN1&1
SYN: 2'-CHLORO-4-DIMETHYLAMINO STILBENE * STILBENE, 2'-CHLORO-4-DIMETHYLAMINO-*
TXDS: orl-rat TDLo:625 mg/kg/60WC TFX:CAR ABMGAJ 9,87,62

ipr-rat TDLo:300 mg/kg/8WI TFX:CAR BJCAAI 10,123,56

WJ37500. 4-STILBENAMINE, 3'-CHLORO-N,N-DIMETHYL-
MW: 257.78 MOLFM: N-Cl-C16-H16
WLN: GR C1U1R DN1&1
SYN: 3'-CHLORO-N,N-DIMETHYLAMINOSTIBEN (German) * 3'-CHLORO-4-DIMETHYLAMINOSTILBENE * 3'-CHLORO-N,N-DIMETHYL-4-STILBENAMINE *
TXDS: orl-rat TDLo:440 mg/kg/42WC TFX:CAR ABMGAJ 9,87,62

WJ38000. STILBENAMINE, 4'-CHLORO-N,N-DIMETHYL-
MW: 257.78 MOLFM: N-Cl-C16-H16
WLN: GR D1U1R DN1&1
SYN: 4'-CHLORO-4-DIMETHYLAMINOSTILBENE * 4'-CHLORO-N,N-DIMETHYLAMINOSTIBEN (German) * 4'-CHLORO-N,N-DIMETHYL-4-STILBENAMINE *
TXDS: orl-rat TDLo:625 mg/kg/59WC TFX:NEO ABMGAJ 9,87,62

WJ38250. 4-STILBENAMINE, N,N-DIETHYL-
MW: 251.40 MOLFM: N-C18-H21
WLN: 2N2&R D1U1R
SYN: DIETHYLAMINO STILBENE * N,N-DIETHYL-4-STILBENAMINE *
TXDS: scu-rat TDLo:160 mg/kg/9WI TFX:NEO PTRSAD 241,147,48

WJ38500. 4-STILBENAMINE, N,N-DIMETHYL-
CAS: 001145739 MW: 223.34 MOLFM: N-C16-H17
WLN: 1N1&R D1U1R
SYN: 4-DIMETHYLAMINOSTILBEN (German) * N,N-DIMETHYL-p-STYRYLANILINE *
TXDS: orl-rat LDLo:50 mg/kg CNREA8 26,619,66
orl-rat TDLo:520 mg/kg/49WC TFX:CAR ABMGAJ 9,87,62

WJ40250. 4-STILBENAMINE, N,N-DIMETHYL-, (E)-
CAS: 000838959 MW: 223.34 MOLFM: N-C16-H17
WLN: 1N1&R D1U1R
SYN: cis-4-DIMETHYLAMINOSTILBENE * cis-N,N-DIMETHYL-4-STILBENAMINE *
TXDS: orl-rat TDLo:310 mg/kg/20WI TFX:NEO ZEKBAI 74,200,70

WJ42000. 4-STILBENAMINE, trans-N,N-DIMETHYL- see:CY05250 BENZENAMINE, N,N-DIMETHYL-4-(2-PHENYLETHENYL)-, (Z)-

WJ43000. STILBENAMINE, N,N-DIMETHYL-2'-METHYL-
MW: 237.37 MOLFM: N-C17-H19
WLN: 1N1&R D1U1R B
SYN: 4-DIMETHYLAMINO-2'-METHYLSTILBENE * N,N-DIMETHYL-2'-METHYLSTILBENAMINE *
TXDS: scu-rat TDLo:80 mg/kg/4WI TFX:NEO PTRSAD 241,147,48

WJ43750. 4-STILBENAMINE, 2'-FLUORO-N,N-DIMETHYL-
MW: 241.33 MOLFM: N-F-C16-H16
WLN: FR B1U1R DN1&1
SYN: 2'-FLUORO-4-DIMETHYLAMINOSTILBENE * 2'-FLUORO-N,N-DIMETHYL-4-STILBENAMINE *
TXDS: orl-rat TDLo:490 mg/kg/46W TFX:CAR ABMGAJ 9,87,62

WJ45500. 4-STILBENAMINE, 4'-FLUORO-N,N-DIMETHYL-
MW: 241.33 MOLFM: N-F-C16-H16
WLN: FR D1U1R DN1&1
SYN: 4'-FLUORO-4-DIMETHYLAMINOSTILBENE * 4'-FLUORO-N,N-DIMETHYL-4-STILBENAMINE *
TXDS: orl-rat TDLo:440 mg/kg/42WC TFX:CAR ABMGAJ 9,87,62

WJ47250. 4-STILBENAMINE, N,N,3'-TRIMETHYL-
MW: 237.37 MOLFM: N-C17-H19
WLN: 1N1&R D1U1R C
SYN: 3'-METHYL-4-DIMETHYLAMINOSTILBENE * N,N,3'-TRIMETHYL-4-STILBENAMINE *
TXDS: orl-rat TDLo:560 mg/kg/54W TFX:NEO ABMGAJ 9,87,62

WJ49000. 4-STILBENAMINE, N,N,4'-TRIMETHYL-
MW: 237.37 MOLFM: N-C17-H19
WLN: 1N1&R D1U1R D
SYN: 4'-METHYL-4-DIMETHYLAMINOSTILBENE * N,N,4'-TRIMETHYL-4-STILBENAMINE *
TXDS: orl-rat TDLo:300 mg/kg/29W TFX:NEO ABMGAJ 9,87,62

WJ50750. STILBENE, 2'-CHLORO-4-DIMETHYLAMINO- see:WJ36750 4-STILBENAMINE, 2'-CHLORO-N,N-DIMETHYL-

WJ54250. 4,4'-STILBENEDIOL,2,2'-DIETHYL- see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

WJ56000. 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-
CAS: 000056531 MW: 268.38 MOLFM: O2-C18-H20
WLN: QR DY2& 2U
SYN: BIO-DES * 3,4-BIS(p-HYDROXYPHENYL)-3-HEXENE * COMESTROL ESTROBENE * CYREN A * DEB * DES * DI-ESTRYL * 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS-PHENOL * trans-alpha,alpha'-DIETHYL-4,4'-STILBENEDIOL

* alpha,alpha'-DIETHYLSTILBENEDIOL * alpha,alpha'-DIETHYL-4,4'-STILBENEDIOL
* DIETHYLSTILBESTEROL * DIETHYLSTILBESTROL * trans-DIETHYLSTILBESTROL
* DIETHYLSTILBOESTEROL * trans-DIETHYLSTILBOESTEROL * 4,4'-DIHYDROXY-alpha,beta-DIETHYLSTILBENE * 3,4'(4,4'-DIHYDROXYPHENYL)HEX-3-ENE * DOMESTROL
* ESTILBIN "MCO" * ESTROBENE * ESTROSYN * FONATOL * GRAPESTROL
* 3-HEXENE,3,4-BIS(p-HYDROXYPHENYL)- * HIBESTROL * MICROEST * MILESTROL
* NEO-OESTRANOL * NSC-3070 * OESTROGENINE * OESTROMENIN * OESTROMENSYL * OESTROMIENIN * PALESTROL * PERCUTATRINE OESTROGENIQUE ISCOVESCO * SERBAL * SEXOCRETIN * SIBOL * STIL * 4,4'-STILBENEDIOL, 2,2'-DIETHYL- * STILBESTROL * STILBESTROL, DIETHYL- * STILBETIN
* STILBOESTROFORM * STILBOESTROL * STILKAP * STIL-ROL * SYNESTRIN
* SYNTHOESTRIN * SYNTOFOLIN *

TXDS: skn-hmn TDLo:60 ug/kg/14D TFX:GLN AIHAAP 20,469,59
orl-rat TDLo:102 gm/kg/2YC TFX:CAR AEHLAU 19,489,69
ipr-rat LD50:34 mg/kg TXAPA9 24,142,73
orl-mus LDLo:2500 mg/kg KLWOAZ 18,156,39
orl-mus TDLo:18 mg/kg/368DC TFX:CAR JNCIAM 40,225,68
ipr-mus LD50:67 mg/kg TXAPA9 24,37,73
scu-mus LDLo:50 mg/kg KLWOAZ 18,156,39
scu-mus TDLo:40 mg/kg/40WI TFX:CAR YJBMAU 12,213,39
orl-gpg TDLo:144 mg/kg/12WI TFX:NEO RSABAC 25,215,49
imp-gpg TDLo:1620 ug/kg TFX:NEO BSBSAS 8,142,51
imp-ham TDLo:498 mg/kg/44WI TFX:CAR NCIMAV 1,59,59

WJ57000. 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-, DIPALMITATE
MW: 745.30 MOLFM: O4-C50-H80
WLN: 15VOR DY2& 2U
SYN: DIETHYLSTILBESTROL DIPALMITATE * 4,4'-DIHYDROXY-alpha,beta-DIETHYLSTILBENE PALMITATE *
TXDS: ims-rbt TDLo:37.5 mg/kg45WI TFX:CAR CANRA4 10,500,57
ims-rbt TDLo:36 mg/kg/45WI TFX:CAR CANCAR 10,500,57

WJ57750. 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-, DIPROPIONATE, (E)-
CAS: 000130803 MW: 380.52 MOLFM: O4-C24-H28
WLN: 2VOR DY2& 2U
SYN: alpha,alpha'-DIETHYL-4,4'-STILBENEDIOL, DIPROPIONATE * DIETHYLSTILBESTROL DIPROPIONATE * 4,4'-DIHYDROXY-alpha,beta-DIETHYLSTILBENE DIPROPIONATE *
TXDS: imp-rat TDLo:125 mg/kg TFX:NEO EJCAAH 5,99,69
imp-gpg TDLo:5 mg/kg TFX:NEO RSABAC 25,215,49
scu-gpg TDLo:2 mg/kg/WC TFX:CAR AERO** 2,32,50

WJ59500. 4,4'-STILBENEDIOL, TETRAIODO-alpha,alpha'-DIETHYL-
MW: 771.94 MOLFM: O2-I4-C18-H16
SYN: DIETHYLSTILBESTROL, IODINE DERIVATIVE * TETRAIODO-alpha,alpha'-DIETHYL-4,4'-STILBENEDIOL *
TXDS: scu-mus TDLo:85 mg/kg/3WI TFX:CAR AIPUAN 8,207,65

WJ66500. STILBENE, alpha-ETHYL-alpha'-s-BUTYL-
MW: 264.44 MOLFM: C20-H24
SYN: alpha-ETHYL-beta-s-BUTYL-STILBENE *
TXDS: skn-mus TDLo:225 mg/kg/52W TFX:CAR CNREA8 5,485,45

WJ69500. STILBENE, 4-NITRO-
MW: 225.26 MOLFM: N-O2-C14-H11
WLN: WNR D1 1R
TXDS: orl-rat TDLo:2700 mg/kg/57WC TFX:NEO NATWAY 42,128,55

WJ70000. STILBESTROL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

WJ71750. STILBESTROL, DIETHYL- see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

WJ72500. STILBESTROL, DIHYDRO- see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

WJ73500. STILBETIN see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

WJ75250. STILBOESTROFORM see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

WJ77000. STILBOESTROL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

WJ78750. STILKAP see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

WJ80500. STIL-ROL see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

WJ96250. STOPTON ALBUM see:WO84000 SULFANILAMIDE

WK08000. STRAMID see:WO84000 SULFANILAMIDE

WK08750. STRAWBERRY RED A GEIGY see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

WK14000. STREPAMIDE see:WO84000 SULFANILAMIDE

WK15750. STREPSAN see:WO84000 SULFANILAMIDE

WK17500. STREPTAGOL see:WO84000 SULFANILAMIDE

WK19250. STREPTAMID see:WO84000 SULFANILAMIDE

WK26250. STREPTASOL see:WO84000 SULFANILAMIDE

WK29750. STREPTOCID ALBUM see:WO84000 SULFANILAMIDE

WK31500. STREPTOCIDE WHITE see:WO84000 SULFANILAMIDE

WK33250. STREPTOCLASE see:WO84000 SULFANILAMIDE

WK35000. STREPTOCOM see:WO84000 SULFANILAMIDE

WK38500. STREPTOL see:WO84000 SULFANILAMIDE

WK43000. STREPTOMYCES PEUCETIUS see:HB78750 DAUNOMYCIN

WK50750. STREPTON see:WO84000 SULFANILAMIDE

WK54250. STREPTOSIL see:WO84000 SULFANILAMIDE

WK56000. STREPTOSILPYRIDINE see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

WK57000. STREPTOSILTHIAZOLE see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

WK61250. STREPTOZOL see:WO84000 SULFANILAMIDE

WK63000. STREPTOZONE see:WO84000 SULFANILAMIDE

WK64750. STREPTOZOTICIN see:LZ57750 GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-, D-

WK66500. STREPTOZOTOCIN see:LZ57750 GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-, D-

WK68250. STREPTROCIDE see:WO84000 SULFANILAMIDE

WK70000. STRFUNEX see:GV49000 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, gamma-isomer

WK74300. STROBANE see:WZ61250 TERPENE POLYCHLORINATES

WL20050. STRUMACIL see:YR08750 URACIL, 6-METHYL-2-THIO-

WL40250. STYRENE, alpha-BROMO-beta,beta-BIS(p-ETHOXYPHENYL)-
MW: 423.37 MOLFM: O2-Br-C24-H23
WLN: EYR&UYR DO2&R DO2
SYN: alpha-BROMO-beta,beta-BIS(p-ETHOXYPHENYL)STYRENE * alpha,alpha-DI(p-ETHOXYPHENYL)-beta-BROMO-beta-PHENYLETHYLENE *
TXDS: scu-mus TDLo:94 mg/kg/26WI TPX:CAR MMJJAI 11,95,61

WL45500. STYRENE EPOXIDE see:CZ96250 BENZENE, (EPOXYETHYL)-

WL56000. STYRENE OXIDE see:CZ96250 BENZENE, (EPOXYETHYL)-

WL64750. STYRENE POLYMER
CAS: PM9003536 MOLFM: (C8-H8)n
SYN: POLYSTYRENE *
TXDS: scu-rat TDLo:19 mg/kg TPX:NEO CNREA8 15,333,55

WL71750. STYRYL 430 see:VC35000 QUINOLINIUM, 6-(p-ACETAMIDOBENZAMIDO)-2-(p-AMINOSTYRYL)-1-METHYL-, ACETATE

WL73500. 4'-STYRYLACETANILIDE see:AE70000 ACETANILIDE, 4'-STYRYL-

WL73700. 5-STYRYL-3,4-BENZOPYRENE see:DJ79500 BENZO(a)PYRENE, 6-STYRYL-

WL74300. N-(p-STYRYLPHENYL)ACETOHYDROXAMIC ACID, COPPER(2+) COMPLEX see:AL19250 ACETOHYDROXAMIC ACID, trans-N-(p-STYRYLPHENYL)-, COPPER(2+) COMPLEX

WL75250. N-(p-STYRYLPHENYL)HYDROXYLAMINE see:NC50750 HYDROXYLAMINE, N-(p-STYRYLPHENYL)-

WM26700. SUBSTANCE F see:GH08000 COLCHICINE, N-DEACETYL-N-METHYL-

WM30300. SUCARYL SODIUM see:GV73500 CYCLOHEXANESULFAMIC ACID, MONOSODIUM SALT

WM49800. SUCCINIC ACID ANHYDRIDE see:WN08750 SUCCINIC ANHYDRIDE

WN08750. SUCCINIC ANHYDRIDE
CAS: 000108305 MW: 100.08 MOLFM: O3-C4-H4
WLN: T5VOVTJ
SYN: BERNSTEINSAURE-ANHYDRID * BUTANEDIOIC ANHYDRIDE * 2,5-DIKETOTETRAHYDROFURAN * 2,5-FURANDIONE, DIHYDRO- * SUCCINIC ACID ANHYDRIDE * SUCCINYL OXIDE *
TXDS: scu-rat TDLo:2600 mg/kg/65W TFX:CAR BJCAAI 19,392,65

WN42000. 4'-SUCCINOYLAMINO-2,3'-DIMETHYLAZOBENZENE
TXDS: orl-rat TDLo:90 mg/kg/DC TFX:NEO GANNA2 33,196,39

WN58300. SUCCINYL OXIDE see:WN08750 SUCCINIC ANHYDRIDE

WN62050. SUCRETS see:VH15750 RESORCINOL, 4-HEXYL-

WN64750. SUCROL see:YT22750 UREA, (p-ETHOXYPHENYL)-

WN69050. SUDAN 1 see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

WN70000. SUDAN I see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

WN71000. SUDAN II see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

WN71750. SUDAN IV see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

WN72300. SUDAN ORANGE R see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

WN72850. SUDAN ORANGE RA NEW see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

WN73000. SUDAN ORANGE RPA see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

WN73250. SUDAN ORANGE RRA see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

WN73500. SUDAN P see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

WN74200. SUDAN RED see:QL58500 2-NAPHTHOL, 1-(2,4-XYLYLAZO)-

WN75000. SUDAN RED 7B see:QM28500 2-NAPHTHYLAMINE, N-ETHYL-1-((p-(PHENYLAZO)PHENYL)AZO)-

WN75250. SUDAN RED BB see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

WN77000. SUDAN RED BBA see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

WN78750. SUDAN RED IV see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

WN80500. SUDAN YELLOW GG see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

WN82250. SUDAN YELLOW GGA see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

WN84000. SUDAN YELLOW R see:BY82250 ANILINE, p-(PHENYLAZO)-

WN85750. SUDAN YELLOW RRA see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

WN87500. SUGAI BRILLIANT SCARLET 3R see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

WN88000. SUGAI CHRYSOIDINE see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

WN91000. SUGAR OF LEAD see:AI52500 ACETIC ACID, LEAD(2+) SALT

WN95350. SULFACOMBIN
TXDS: par-rat LDLo:400 mg/kg ACRAAX 37,258,52
par-rat TDLo:400 mg/kg TFX:CAR ACRAAX 37,258,52

WO05250. SULFADIMERAZINE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WO07000. SULFADIMESINE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WO08750. SULFADIMETHYLDIAZINE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WO10500. SULFADIMETHYLPYRIMIDINE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WO12250. SULFADIMEZINE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WO14000. SULFADIMIDINE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WO14850. SULFADIAMINE see:AE71750 ACETANILIDE 4',4'''-SULFONYLBIS-

WO15750. SULFADINE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WO31500. SULFAMETHALAZOLE see:WP07000 SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-

WO33250. SULFAMETHAZINE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WO35000. SULFAMETHIAZINE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WO38500. SULFAMETHOXAZOLE see:WP07000 SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-

WO39200. SULFAMETHOXAZOLE mixed with TRIMETHOPRIM (83.3%:16.7%) see:WP08000 SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-, mixed with PYRIMIDINE, 2,4-DIAMINO- 5-(3,4,5-TRIMETHOXYBENZYL)-(83.3%:16.7%)

WO47250. SULFAMETHYLISOXAZOLE see:WP07000 SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-

WO49000. SULFAMETHYLIZOLE
TXDS: par-mus TDLo:6240 mg/kg/4W TFX:CAR ACRAAX 37,258,52

WO57750. SULFAMEZATHINE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WO68250. p-SULFAMIDOANILINE see:WO84000 SULFANILAMIDE

WO70000. SULFAMIDYL see:WO84000 SULFANILAMIDE

WO71750. SULFAMINE see:WO84000 SULFANILAMIDE

WO78750. SULFANA see:WO84000 SULFANILAMIDE

WO80500. SULFANALONE see:WO84000 SULFANILAMIDE

WO82250. SULFANIL see:WO84000 SULFANILAMIDE

WO84000. SULFANILAMIDE
CAS: 000063741 MW: 172.22 MOLFM: N2-O2-S-C6-H8
WLN: ZSWR DZ
SYN: ALBEXAN * ALBOSAL * AMBESIDE * p-AMINOBENZENESULFAMIDE * p-AMINOBENZENESULFONAMIDE * 4-AMINOBENZENESULFONAMIDE * p-AMINOPHENYLSULFONAMIDE * 4-AMINOPHENYLSULFONAMIDE * p-ANILINESULFONAMIDE * ANILINE-p-SULFONIC AMIDE * ANTISTREPT * ASTREPTINE * ASTROCID * BACTERAMID * BACTESID * BENZENESULFONAMIDE, p-AMINO- * COLLOMIDE * COLSULANYDE * COPTICIDE * DESEPTYL * DIPRON * ERGASEPTINE * ERYSIPAN * ESTREPTOCIDA * P 1162 * 1162 F * FOURNEAU 1162 * GERISON * GOMBARDOL * LUSIL * LYSOCOCCINE * NEOCOCCYL * ORGASEPTINE * PABS * PRONTALBIN * PRONTOSIL ALBUM * PRONTOSIL I * PRONTOSIL WHITE * PRONTYLIN * PRONZIN ALBUM * PROSEPTAL * PROSEPTINE * PROSEPTOL * PYSOCOCCINE * RUBIAZOL A * SANAMID * SEPTAMIDE ALBUM * SEPTANILAM * SEPTINAL * SEPTOLIX * SEPTOPLEX * SEPTOPLIX * STOPTON ALBUM * STRAMID * STREPAMIDE * STREPSAN * STREPTAGOL * STREPTAMID * STREPTASOL * STREPTOCID ALBUM * STREPTOCIDE WHITE * STREPTOCLASE * STREPTOCOM * STREPTOL * p-SULFAMIDOANILINE * STREPTON * STREPTOSIL * STREPTOZOL * STREPTOZONE * STREPTROCIDE * SULFAMIDYL * SULFAMINE * SULFANA * SULFANALONE * SULFANIL * SULFOCIDINE * SULFONAMIDE * SULFONAMIDE P * SULPHANILAMIDE * THERAPOL * WHITE STREPTOCIDE *
TXDS: orl-rat LD50:3900 mg/kg PHREA7 19,270,39
orl-dog LD50:2000 mg/kg PCOC** -,1079,-
scu-rat TDLo:135 mg/kg/9WI TFX:CAR PSEBAA 68,330,48
ivn-mus LD50:621 mg/kg JPETAB 79,127,43
par-mus TDLo:900 mg/kg TFX:CAR ACRAAX 37,258,52

WO92750. SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-
CAS: 000057681 MW: 278.36 MOLFM: N4-O2-S-C12-H14
WLN: T6N CNJ BMSWR DZ& D F
SYN: AZOLMETAZIN * CREMOMETHAZINE * DIAZIL * N(sup 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)SULFANILAMIDE * N(sup 1)-(4,6-DIMETHYL-2-PYRIMIDYL)SULFANILAMIDE * 4,6-DIMETHYL-2-SULFANILAMIDOPYRIMIDINE * DIMEZATHINE * MEPENAL * MERMETH * METAZIN * NEAZINA * PIRMAZIN * PRIMAZIN * SULFADIMERAZINE * SULFADIMESINE * SULFADIMETHYLDIAZINE * SULFADIMETHYLPYRIMIDINE * SULFADIMEZINE * SULFADIMIDINE * SULFADINE * SULFAMETHAZINE * SULFAMETHIAZINE * SULFAMEZATHINE * 2-SULFANILAMIDO-4,6-DIMETHYLPYRIMIDINE * SULFODIMESIN * SULFODIMEZINE * SULMET * SULPHADIMETHYLPYRIMIDINE * SULPHADIMIDINE * SUPERSEPTIL * VERTOLAN *
TXDS: imp-rat TDLo:5000 mg/kg/36W TFX:CAR ACRAAX 37,258,52

WP07000. SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-
CAS: 000723466 MW: 251.30 MOLFM: N3-O3-S-C10-H11
WLN: T5NOJ C BMSWR DZ
SYN: GANTANOL * N'-(5-METHYL-3-ISOXAZOLE)SULFANILAMIDE * N'-(5-METHYL-3-ISOXAZOLYL)SULFANILAMIDE * 5-METHYL-3-SULFANILAMIDOISOXAZOLE * 5-METHYL-3-SULFANYLAMIDOISOXAZOLE * MS 53 * RO 4-2130 * SINOMIN * SULFAMETHALAZOLE * SULFAMETHOXAZOLE * SULFAMETHYLISOXAZOLE * 3-SULFANILAMIDO-5-METHYLISOXAZOLE * SULFISOMEZOLE *

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          TXDS: orl-rat LD50:1900 mg/kg                                    TXAPA9 18,185,71
                orl-rat TDLo:2275 mg/kg/13W TFX:NEO                        TXAPA9 24,351,73

WP08000. SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-, mixed with PYRIMIDINE, 2,4-DIAMINO-
         5-(3,4,5-TRIMETHOXYBENZYL)- (83.3%:16.7%)
          SYN: SULFAMETHOXAZOLE mixed with TRIMETHOPRIM (83.3%:16.7%)    *
          TXDS: orl-rat TDLo:66 g/kg/52W TFX:NEO                         TXAPA9 24,351,73

WP15750. SULFANILAMIDE, N(sup 1)-2-PYRIDYL-     see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-
         PYRIDINYL)-

WP23600. SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-
          CAS: 000072140     MW: 255.33          MOLFM: N3-O2-S2-C9-H9
          WLN: T5N CSJ BMSWR DZ
          SYN: 2-(p-AMINOBENZENESULFONAMIDO)THIAZOLE   *  2-(p-AMINOBENZENESULPHONAMIDO)
               THIAZOLE   *  AZOSEPTALE   *  CERAZOL (suspension)   *  CHEMOSEPT   *  CIBAZOL
                  *  DUATOK   *  ELEUDRON   *  FORMOSULFATHIAZOLE   *  M+B 760   *  NEOSTREPSAN
                  *  NORSULFASOL   *  NORSULFAZOLE   *  PLANOMIDE   *  POLISEPTIL   *  RP
               2090   *  STREPTOSILTHIAZOLE   *  2-SULFANILAMIDOTHIAZOLE   *  2-(SULFANILYLAMINO)
               THIAZOLE   *  SULFATHIAZOL   *  SULFATHIAZOLE   *  2-SULFONAMIDOTHIAZOLE
                  *  SULPHATHIAZOLE   *  SULZOL   *  THIACOCCINE   *  THIAZAMIDE   *  N(sup
               1)-2-THIAZOLYLSULFANILAMIDE   *  THIOZAMIDE   *
          TXDS: par-rat LDLo:500 mg/kg                                     ACRAAX 37,258,52
                par-rat TDLo:500 mg/kg TFX:CAR                             ACRAAX 37,258,52
                orl-mus TDLo:2310 mg/kg/2WC TFX:CAR                        ACRAAX 37,258,52
                ipr-mus LD50:400 mg/kg                                     NTIS** AD277-689

WP29750. 2-SULFANILAMIDO-4,6-DIMETHYLPYRIMIDINE    see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-
         2-PYRIMIDINYL)-

WP33500. 3-SULFANILAMIDO-5-METHYLISOXAZOLE    see:WP07000 SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-

WP35000. 2-SULFANILAMIDOPYRIDINE    see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

WP37000. 2-SULFANILAMIDOTHIAZOLE    see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

WP39350. 2-(SULFANILYLAMINO)THIAZOLE    see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

WP56000. SULFAPYRIDINE    see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

WP57750. 2-SULFAPYRIDINE    see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

WP72000. SULFATE DE METHYLE (French)    see:WS82250 SULFURIC ACID, DIMETHYL ESTER

WP72300. SULFATE DIMETHYLIQUE (French)    see:WS82250 SULFURIC ACID, DIMETHYL ESTER

WP78500. SULFATHIAZOL    see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

WP79500. SULFATHIAZOLE    see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

WP91000. SULFERROUS    see:WS91000 SULFURIC ACID, IRON(2+) SALT (1:1)

WQ09000. SULFIDE, BIS(2-CHLOROETHYL)
          CAS: 000505602     MW: 159.04          MOLFM: S-C12-C4-H8
          WLN: G2S2G
          SYN: BIS(beta-CHLOROETHYL)SULFIDE   *  BIS(2-CHLOROETHYL)SULFIDE   *  1-CHLORO-
               2-(beta-CHLOROETHYLTHIO)ETHANE   *  2,2'-DICHLORODIETHYL SULFIDE   *  DI-
               2-CHLOROETHYL SULFIDE   *  beta,beta'-DICHLOROETHYL SULFIDE   *  KAMPSTOFF
               "LOST"   *  MUSTARD GAS   *  MUSTARD, SULFUR   *  S MUSTARD   *  SULFUR
               MUSTARD   *  SULFUR MUSTARD GAS   *  1,1'-THIOBIS(2-CHLOROETHANE)   *  YELLOW
               CROSS LIQUID   *  YPERITE   *
          TXDS: ihl-hmn LCLo:23 ppm/10M                                    28ZOAH -,-,37
                ihl-rat LCLo: 64     mg/m3                                 NDRC**  -,91,43
                skn-rat LDLo:18 mg/kg                                      JPETAB 93,1,48
                scu-rat LD50:3200 ug/kg                                    JPETAB 93,1,48
                ivn-rat LD50:700 ug/kg                                     JPETAB 93,1,48
                ihl-mus LCLo:180 mg/m3/10M                                 NDRC** -,2,41
                skn-mus LD50:92 mg/kg                                      JPETAB 93,1,48
                scu-mus LDLo:4 mg/kg                                       JNCIAM 14,131,53
                scu-mus TDLo:6 mg/kg/6WI TFX:CAR                           JNCIAM 14,131,53
                ivn-mus LD50:8600 ug/kg                                    JPETAB 93,1,48
                ivn-mus TDLo:60 ug/kg/6DI TFX:CAR                          JNCIAM 11,415,50
                ihl-dog LCLo:77 ppm/5M                                     JAMAAP 73,684,19
                ims-dog LDLo:14 mg/kg                                      JPETAB 12,265,20
                skn-rbt LD50:100 mg/kg                                     JPETAB 93,1,48
                ivn-rbt LD50:1100 ug/kg                                    JPETAB 93,1,48

WQ61250. SULFIDINE    see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-
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WQ66500. SULFISOMEZOLE see:WP07000 SULFANILAMIDE, N'-(5-METHYL-3-ISOXAZOLYL)-

WQ71750. o-SULFOBENZIMIDE see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

WQ73500. o-SULFOBENZOIC ACID IMIDE see:DE42000 1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DIOXIDE

WQ80500. SULFOCIDINE see:WO84000 SULFANILAMIDE

WQ82250. SULFODIAMINE see:AE71750 ACETANILIDE, 4',4'''-SULFONYLBIS-

WQ84000. SULFODIMESIN see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WQ85750. SULFODIMEZINE see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WQ89250. SULFO GREEN J see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT

WR07000. SULFONAMIDE see:WO84000 SULFANILAMIDE

WR10500. SULFONAMIDE, 4-(ETHYLSULFONYL)-1-NAPHTHALENE-
CAS: 000842002 MW: 299.38 MOLFM: N-O4-S2-C12-H13
SYN: ENS * 4-(ETHYLSULFONYL)-1-NAPHTHALENESULFONAMIDE * 4-ETHYLSULPHONYLNAPHTHALENE-1-SULFONAMIDE * RPA *
TXDS: orl-mus TDLo:5600 mg/kg/40WC TFX:CAR BJCAAI 23,772,69
imp-mus TDLo:77 mg/kg TFX:NEO BJCAAI 19,311,68

WR12250. SULFONAMIDE P see:WO84000 SULFANILAMIDE

WR14000. 4-SULFONAMIDO-3'-METHYL-4'-AMINOAZOBENZENE see:DA98000 BENZENESULFONAMIDE, p-((4-AMINO-m-TOLYL)AZO)-

WR14500. 2-SULFONAMIDOTHIAZOLE see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

WR15000. 1-(4-SULFO-1-NAPHTHYLAZO)-2-NAPHTHOL-3,6-DISULFONIC ACID TRISODIUM SALT see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

WR28000. SULFONE, BIS(p-ACETAMIDOPHENYL) see:AE71750 ACETANILIDE, 4',4'''-SULFONYLBIS-

WR70000. SULFONETHYLMETHANE see:EJ52500 BUTANE, 2,2-BIS(ETHYLSULFONYL)-

WR91000. p,p'-SULFONYLBISACETANILIDE see:AE71750 ACETANILIDE, 4',4'''-SULFONYLBIS-

WR92750. 4',4'''-SULFONYLBIS(ACETANILIDE) see:AE71750 ACETANILIDE, 4',4'''-SULFONYLBIS-

WS02000. 4-p-SULFOPHENYLAZO-1-NAPHTHOL MONOSODIUM SALT see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

WS03500. 1-p-SULFOPHENYLAZO-2-NAPHTHOL-6-SULFONIC ACID, DISODIUM SALT see:QK24500
2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

WS37250. 2-(6-SULFO-2,4-XYLYLAZO)-1-NAPHTHOL-4-SULFONIC ACID, DISODIUM SALT see:QK27050
1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT

WS76000. SULFURIC ACID, CYCLIC ETHYLENE ESTER see:JH48000 1,3,2-DIOXATHIOLANE, 2,2-DIOXIDE

WS78750. SULFURIC ACID, DIETHYL ESTER
CAS: 000064675 MW: 154.20 MOLFM: O4-S-C4-H10
WLN: 2OSW02
SYN: DIETHYL SULFATE * DS * ETHYL SULFATE *
TXDS: orl-rat LDLo: 750 mg/kg JIHTAB 31,61,49
ihl-rat LCLo:250 ppm/4H JIHTAB 31,343,49
scu-rat TDLo:50 mg/kg TFX:CAR FCTXAV 6,576,68
ivn-rat LD50:340 mg/kg TCIA** -,45,73
ivn-rat TDLo:85 mg/kg/(15D Preg) TFX:TER TCIA** -,45,73
orl-mus LD50:647 mg/kg RMTH** -,24,72

WS80500. SULFURIC ACID, DIISOPROPYL ESTER
CAS: 002973106 MW: 186.26 MOLFM: O4-S-C6-H14
WLN: 1Y&OSWOY
SYN: DIPS * DI-ISOPROPYLSULFATE * ISOPROPYL SULFATE *
TXDS: orl-rat LD50:1090 mg/kg AIHAAP 30,470,69
scu-rat TDLo:300 mg/kg TFX:CAR ZEKBAI 79,135,73
skn-rbt LD50:1410 mg/kg AIHAAP 30,470,69

WS82250. SULFURIC ACID, DIMETHYL ESTER
CAS: 000077781 MW: 126.14 MOLFM: O4-S-C2-H6
WLN: 1OSW01
SYN: DIMETHYLESTER KYSELINY SIROVE (Czech) * DIMETHYL MONOSULFATE * DIMETHYLSULFAAT (Dutch) * DIMETHYLSULFAT (Czech) * DIMETHYL SULFATE * DIMETHYL SULPHATE * DIMETILSOLFATO (Italian) * DMS(METHYL SULFATE) * DWUMETYLOWY SIARCZAN (Polish) * METHYLE (SULFATE DE) (French) * METHYL SULFATE

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          *  SULFATE DE METHYLE (French)    *  SULFATE DIMETHYLIQUE (French)    *
      TXDS: orl-rat LD50:440 mg/kg                                    AMIHBC 4,119,51
            ihl-rat LCLo:32 ppm/4P                                    JIHTAB 31,343,49
            scu-rat TDLo:200 mg/kg/I TFX:NEO                          FCTXAV  6,576,68
            ivn-rat LD50:100 mg/kg                                    TCIA** -,45,73
            ivn-rat TDLo:20 mg/kg/(15D Preg) TFX:TER                  TCIA** -,45,73
            ihl-mus LCLo:75 ppm/17M                                   MELAAD 48,634,57
            ihl-gpg LCLo:75 ppm/24M                                   MELAAD 48,634,57
      U.S. OCCUPATIONAL STANDARD OSOS-air:TWA 1 ppm (skin)            FERFAC 37,22139,72

WS91000. SULFURIC ACID, IRON(2+) SALT (1:1)
      CAS: 007720787     MW: 151.91         MOLFM: O4-S .Fe
      WLN: .FE..S-O4
      SYN: COPPERAS   *  EXSICCATED FERROUS SULFATE   *  EXSICCATED FERROUS SULPHATE
           *  FEOSOL   *  FERRALYN   *  FERRO-TERON   *  FERROUS SULFATE   *  GREEN
           VITRIOL   *  IRON PROTOSULFATE   *  IRON SULFATE (1:1)   *  IRON VITRIOL
           *  IROSPAN   *  SULFERROUS   *
      TXDS: orl-chd LDLo:50 mg/kg                                     JOPDAB 64,218,64
            orl-inf TDLo:600 mg/kg TFX:GIT                            RADLAX 103,163,72
            orl-rat LD50:1480 mg/kg                                   AJMSA9  230,491,55
            orl-mus LD50:1170 mg/kg                                   TXAPA9 23,537,72
            ipr-mus LD50:100 mg/kg                                    COREAF 256,1043,63
            scu-mus TDLo:1600 mg/kg/16WC TFX:NEO                      JNCIAM 24,109,60
            ivn-mus LD50:81 mg/kg                                     TXAPA9 23,537,72

WT17500. SULFURIC ACID, ZINC SALT (1:1)
      CAS: 007733020     MW: 161.43         MOLFM: O4-S .Zn
      WLN: .ZN..S-O4
      SYN: BONAZEN   *  BUFOPTO ZINC SULFATE   *  OP-THAL-ZIN   *  WHITE COPPERAS   *  WHITE
           VITRIOL   *  ZINC SULFATE   *  ZINC VITRIOL   *  ZINKOSITE   *
      TXDS: ipr-rat LD50: 40     mg/kg                                STSOAN  24,37,69
            ipr-mus LD50:29 mg/kg                                     COREAF 256,1043,63
            scu-rbt TDLo:6170 ug/kg/5DC TFX:NEO                       COREAF 236,1387,53

WT24500. SULFUR MUSTARD    see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)

WT26250. SULFUR MUSTARD GAS    see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)-

WT29750. SULFUROUS ACID, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL-2-CHLOROETHYL ESTER
      CAS: 000140578     MW: 334.66         MOLFM: O4-S-Cl-C15-H23
      WLN: G2OSO&OY&1OR DX
      SYN: ACARACIDE   *  ARAMITE   *  ARAMITE-15W   *  2-(p-t-BUTYLPHENOXY)ISOPROPYL
           2'-CHLOROETHYL SULPHITE   *  2-(p-BUTYLPHENOXY)ISOPROPYL 2-CHLOROETHYL SULFITE
           *  2-(p-BUTYLPHENOXY)-1-METHYLETHYL 2-CHLOROETHYL SULFITE   *  CES   *  beta-
           CHLOROETHYL-beta'-(p-t-BUTYLPHENOXY)-alpha'-METHYLETHYL SULFITE   *  COMPOUND
           88R   *  ENT 16,519   *  ETHANOL, 2-CHLORO-, 2-(p-t-BUTYLPHENOXY)-1-METHYLETHYL
           SULFITE   *  ETHANOL, 2-CHLORO-, ESTER WITH 2-(p-tert-BUTYLPHENOXY)-1-METHYLETHYL
           SULFITE   *  NIAGARAMITE   *  ORTHO-MITE   *  2-PROPANOL, 1-(p-t-BUTYLPHENOXY)
           -, 2-CHLOROETHYL SULFITE   *
      TXDS: orl-rat LD50:3900 mg/kg                                   ARSIM* 20,2,66
            orl-mus LD50:2000 mg/kg                                   12VXA5 8,98,68
            orl-mus TDLo:130 gm/kg/80WIC TFX:CAR                      JNCIAM 42,1101,69
            ipr-mus LDLo:200 mg/kg                                    TXAPA9 23,288,72
            orl-dog TDLo:35 gm/kg/4YC TFX:CAR                         AJPAA4 33,691,59
            orl-gpg LD50:3900 mg/kg                                   PCOC** -,61,66

WT56000. SULMET    see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WT57750. SULPHADIMETHYLPYRIMIDINE    see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WT59500. SULPHADIMIDINE    see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WT66500. SULPHANILAMIDE    see:WO84000 SULFANILAMIDE

WT66900. SULPHATHIAZOLE    see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

WT73500. SULPHO GREEN 2B    see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-
         AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-,
         HYDROXIDE, INNER SALT, SODIUM SALT

WT78750. 1-(4-SULPHO-1-NAPHTHYLAZO)-2-NAPHTHOL-6,8-DISULPHONIC ACID, TRISODIUM SALT    see:QK22750
         1,3-NAPHALENEDISULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TETRASODIUM SALT

WT90250. SULZOL    see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

WT96250. SUMITOMO LIGHT GREEN SF YELLOWISH    see:BQ49000 AMMONIUM, ETHYL(4-(p-(ETHYL(m-
         SULFOBENZYL)AMINO)-alpha-(p-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)
         (m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DISODIUM SALT
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WT96600. SUMITOMO WOOL BLUE SBC see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

WT97000. SUMITOMO WOOL GREEN S see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

WT98000. SUN ORANGE A GEIGY see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

WU03500. SUNSET YELLOW see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

WU05250. SUNSET YELLOW FCF see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

WU07000. SUN YELLOW see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

WU08750. SUN YELLOW EXTRA CONC. A EXPORT see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

WU10500. SUN YELLOW EXTRA PURE A see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

WU12250. SUN YELLOW FCF see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

WU15750. SUPERLYSOFORM see:LI89250 FORMALDEHYDE

WU19250. SUPERSEPTIL see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

WU76550. SYDNONE-4-ACETAMIDE, 3-BENZYL- see:WU76750 SYDNONE, 3-BENZYL-4-CARBAMOYLMETHYL-

WU76750. SYDNONE, 3-BENZYL-4-CARBAMOYLMETHYL-
MW: 233.25 MOLFM: N3-O3-C11-H11
SYN: 3-BENZYLSYDNONE-4-ACETAMIDE * SYDNONE-4-ACETAMIDE, 3-BENZYL- *
TXDS: orl-rat LD50:4450 mg/kg GANNA2 65,273,74
orl-rat TDLo:23 gm/kg/13WC TFX:CAR GANNA2 65,273,74

WU77800. SYLANTOIC see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

WU82700. SYMMETRICAL TRIPHENYLBENZENE see:WZ65300 m-TERPHENYL, 5'-PHENYL-

WV05250. SYMULON ACID BRILLIANT SCARLET 3R see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

WV14000. SYNCORT see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

WV15750. SYNCORTA see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

WV17500. SYNCORTYL see:HG05250 11-DEOXYCORTICOSTERONE, ACETATE

WV22750. SYNDIOL see:KG29750 ESTRADIOL

WV36750. SYNESTRIN see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

WV37000. SYNESTROL see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

WV43750. SYNOVEX S see:TW01750 PROGESTERONE

WV53400. SYNTHETIC BLACK IRON OXIDE see:OM49000 MAGNETITE

WV57750. SYNTHOESTRIN see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

WV64000. SYNTHOVO see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

WV66500. SYNTOFOLIN see:WJ56000 4,4'-STILBENEDIOL, alpha,alpha'-DIETHYL-

WV68250. SYNTOLUTAN see:TW01750 PROGESTERONE

WV74000. SYNTROGENE see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

WV94500. TAA see:AC89250 ACETAMIDE,THIO

WW04800. TACE see:KV06000 ETHYLENE, CHLOROTRIS(p-METHOXYPHENYL)-

WW07550. TACOSAL see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

WW10500. TAG see:OV64750 MERCURY, (ACETATO)PHENYL-

WW12250. TAG 331 see:OV64750 MERCURY, (ACETATO)PHENYL-

WW15750. TAG FUNGICIDE see:OV64750 MERCURY, (ACETATO)PHENYL-

WW17500. TAG HL 331 see:OV64750 MERCURY, (ACETATO)PHENYL-

WW24000. TAKAOKA AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

WW24500. TAKAOKA BRILLIANT SCARLET 3R see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

WW24900. TAL (Polish) see:XG35000 THALLIUM

WW50750. TANNIC ACID
CAS: 001401554
SYN: GALLOTANNIC ACID * GALLOTANNIN * GLYCERITE * TANNIN *
TXDS: scu-rat TDLo:4450 mg/kg/17WI TFX:CAR AMSHAR 3,353,53
orl-mus LDLo:2000 mg/kg JPETAB 77,63,43
scu-mus LDLo:75 mg/kg JPETAB 77,63,43
ivn-mus LDLo:10 mg/kg JPETAB 77,63,43
orl-rbt LD50:5000 mg/kg AJVRAH 23,1264,62

WW52500. TANNIN see:WW50750 TANNIC ACID

WW73500. TAR CAMPHOR see:QJ05250 NAPHALENE

WW94750. TAT see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

WX32050. TB-PHLOGIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

WX32600. TB RAZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

WX36750. TB-VIS see:NS17500 ISONICOTINIC ACID HYDRAZIDE

WX48350. TCNB see:DC01750 BENZENE, 1,2,4,5-TETRACHLORO-3-NITRO-

WX54250. TDE see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

WX56000. p,p'-TDE see:KI07000 ETHANE, 1,1-DICHLORO-2,2-BIS(p-CHLOROPHENYL)-

WX71750. TEBECID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

WX72550. TEBFNIC see:NS17500 ISONICOTINIC ACID HYDRAZIDE

WX76050. TEBEXIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

WX77550. TEBILON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

WX78100. TEBOS see:NS17500 ISONICOTINIC ACID HYDRAZIDE

WX78750. TEERAZID see:UQ22750 PYRAZINECARBOXAMIDE

WX83050. TECNAZENE see:DC01750 BENZENE, 1,2,4,5-TETRACHLORO-3-NITRO-

WX87500. TECQUINOL see:HX35000 HYDROQUINONE

WX89250. TECSOL see:KQ63000 ETHYL ALCOHOL

WX96250. TEEBACONIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

WX99100. TEFLON see:KX40250 ETHYLENE, TETRAFLUORO-, POLYMER

WY15300. TEIB see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

WY15750. TEKAZIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

WY17500. TEL see:TP45500 PLUMBANE, TETRAETHYL-

WY36750. TELVAR MONURON WEEDKILLER see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

WY38500. TELVAR W. MONURON WEEDKILLER see:YS63000 UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-

WY40250. TEM see:XZ21000 S-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

WY68250. TENOX EQ see:HX35000 HYDROQUINONE

WY77000. TEOLAXIN see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

WY77550. TEOLOXIN see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

WY82250. TEPA see:SZ17500 PHOSPHINE OXIDE, TRIS(1-AZIRIDINYL)-

WY87500. TEQUINOL see:MX35000 HYDROQUINONE

WZ03500. TEREPHTHALADEHYDAMIDE, N-ISOPROPYL-, 4-(METHYLHYDRAZONE)
CAS: 020566170 MW: 219.32 MOLFM: N3-O-C12-H17
WLN: 1YMVR D1UNM1
SYN: N-ISOPROPYLTEREPHTHALALDEHYDAMIDE, 4-(METHYLHYDRAZONE) * N-ISOPROPYL-alpha-(2-METHYLHYDRAZONE)-p-TOLUAMIDE *
TXDS: orl-mus TDLo:1700 mg/kg/8WI TFX:CAR JNCIAM 42,337,69

WZ05250. TEREPHTHALAMIC ACID, N-ISOPROPYL-
CAS: 000779475 MW: 207.25 MOLFM: N-O3-C11-H13
WLN: QVR DVMY
SYN: N-ISOPROPYL TEREPHTHALAMIC ACID *
TXDS: orl-mus TDLo:1900 mg/kg/8WI TFX:NEO JNCIAM 42,337,69

WZ61250. TERPENE POLYCHLORINATES
CAS: MX8001501
SYN: COMPOUND 3961 * DICHLORICIDE AEROSOL * DICHLORICIDE MOTHPROOFER * ENT 19,442 * INSECTICIDE 3960-X14 * STROBANE * 3960-X14 *
TXDS: orl-rat LD50:200 mg/kg PCOC** -,1071,-
unk-rat LD50:250 mg/k 30ZDA9 -,52,71
orl-mus TDLo:1272 mg/kg/79WIC TFX:CAR JNCIAM 42,1101,69
orl-gpg LD50:250 mg/kg GUCHAZ 6,485,73
orl-ckn LD50:139 mg/kg TXAPA9 3,521,61

WZ65300. m-TERPHENYL, 5'-PHENYL-
MW: 306.42 MOLFM: C24-H18
SYN: 5'-PHENYL-m-TERPHENYL * SYMMETRICAL TRIPHENYLBENZENE * TRIPHENYLBENZENE * 1,3,5-TRIPHENYLBENZENE *
TXDS: scu-mus TDLo:1400 mg/kg/35WI TFX:NEO AJCAA7 26,754,36

WZ71750. TERPACHLOR see:DA66500 BENZENE, PENTACHLORONITRO-

WZ73500. TERRACLOR see:DA66500 BENZENE, PENTACHLORONITRO-

WZ77000. TERRAFUN see:DA66500 BENZENE, PENTACHLORONITRO-

XA04200. TERTRACID ORANGE I see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

XA05250. TERTRACID PONCEAU 2R see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

XA06000. TERTRACID RED A see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

XA15000. TERTRODIRECT BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

XA16550. TERTROGRAS ORANGE SV see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

XA17500. TERTROGRAS RED N see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

XA20000. TERTROPHENE BROWN CG see:ST33800 m-PHENYLENEDIAMINE, 4-(PHENYLAZO)-, HYDROCHLORIDE

XA24500. TESCOL see:KW29750 ETHYLENE GLYCOL

XA25200. TESLEN see:XA30300 TESTOSTERONE

XA26250. TESPA see:SZ29750 PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)

XA28000. TESPAMIN see:SZ29750 PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)

XA29750. TESPAMINE see:SZ29750 PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)

XA29850. TESTANDRONE see:XA30300 TESTOSTERONE

XA30100. TESTICULOSTERONE see:XA30300 TESTOSTERONE

XA30150. TESTOBASE see:XA30300 TESTOSTERONE

XA30200. TESTOSTEROID see:XA30300 TESTOSTERONE

XA30300. TESTOSTERONE
CAS: 000058220 MW: 288.47 MOLFM: O2-C19-H28
WLN: L E5 B666 OV MUTJ A E FQ -B&AEF
SYN: ANDROLIN * ANDRONAQ * ANDROST-4-EN-17beta-OL-3-ONE * delta(sup 4)-ANDROSTEN-17(beta)-OL-3-ONE * ANDROST-4-EN-3-ONE, 17-beta-HYDROXY- * ANDROSOL * GENO-CRISTAUX GREMY * HOMOSTERON * HOMOSTERONE * 17-beta-HYDROXY-delta(sup 4)-ANDROSTEN-3-ONE * 17-beta-HYDROXYANDROST-

4-EN-3-ONE * 17-beta-HYDROXY-4-ANDROSTEN-3-ONE * MERTESTATE * ORQUISTERON
* PERCUTACRINE ANDROGENIQUE * PRIMOTEST * PRIMOTESTON * TESLEN
* TESTANDRONE * TESTICULOSTERONE * TESTOBASE * TESTOSTEROID
* TESTOVIRON SCHERING * TESTRONE * TESTRYL * VIRORMONE * VIROSTERONE
*
TXDS: ipr-rat LDLo:326 mg/kg PSEBAA 46,116,41
scu-mus TDLo:30 mg/kg/5DI TFX:NEO JNCIAM 39,75,67

XA32000. TESTOVIRON SCHERING see:XA30300 TESTOSTERONE

XA32500. TESTRONE see:XA30300 TESTOSTERONE

XA32900. TESTRYL see:XA30300 TESTOSTERONE

XA33250. TET see:XZ21000 S-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

XA45000. 3,3',4,4'-TETRAAMINOBIPHENYL see:DV87500 3,3'4,4'-BIPHENYLTETRAMINE

XA49000. 1,3,5,7-TETRAAZAADAMANTANE see:HN47250 HEXAMETHYLENETETRAMINE

XA50750. 9,10,14c-15-TETRAAZANAPHTHO(1,2-3-fg)NAPHTHACENE NITRATE
MOLFM: N4-C21-H12 .xN-O3-H
SYN: ISOTRICYCLOQUINAZOLINE NITRATE *
TXDS: skn-mus TDLo:1200 mg/kg/YI TFX:NEO BJCAAI 17,266,63

XA87100. TETRACHLOORKOOLSTOF (Dutch) see:PG49000 CARBON TETRACHLORIDE

XA87300. TETRACHLOORMETAAN see:PG49000 CARBON TETRACHLORIDE

XA90000. TETRACHLORKOHLENSTOFF, TETRA (German) see:PG49000 CARBON TETRACHLORIDE

XA90500. TETRACHLORMETHAN (German) see:PG49000 CARBON TETRACHLORIDE

XB08750. TETRACHLORODIPHENYLETHANE see:KI07000 ETHANE, 1,1-DICHLORO-
2,2-BIS(p-CHLOROPHENYL)-

XB27000. TETRACLOROMETANO (Italian) see:PG49000 CARBON TETRACHLORIDE

XB28000. TETRACHLOROMETHANE see:PG49000 CARBON TETRACHLORIDE

XB31500. 1,2,3,4-TETRACHLORO-5-NITROBENZENE see:DB96250 BENZENE, 1,2,3,4-TETRACHLORO-5-NITRO-

XB33250. 1,2,3,5-TETRACHLORO-4-NITROBENZENE see:DB98000 BENZENE, 1,2,3,5-TETRACHLORO-4-NITRO-

XB35000. 1,2,4,5-TETRACHLORO-3-NITROBENZENE see:DC01750 BENZENE, 1,2,4,5-TETRACHLORO-3-NITRO-

XB36750. 2,3,4,5-TETRACHLORONITROBENZENE see:DB96250 BENZENE, 1,2,3,4-TETRACHLORO-5-NITRO-

XB38500. 2,3,4,6-TETRACHLORONITROBENZENE see:DB98000 BENZENE, 1,2,3,5-TETRACHLORO-4-NITRO-

XB40250. 2,3,5,6-TETRACHLORONITROBENZENE see:DC01750 BENZENE, 1,2,4,5-TETRACHLORO-3-NITRO-

XB58000. TETRACHLORURE DE CARBONE (French) see:PG49000 CARBON TETRACHLORIDE

XB58650. TETRACID BRILLIANT VIOLET 6B see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-
(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-
SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

XB59150. TETRACLORURO DI CARBONIO (Italian) see:PG49000 CARBON TETRACHLORIDE

XB62000. 2,6,10,14,18,22-TETRACOSAHEXAENE, 2,3:6,7:10,11:14,15:18,19:22,23-HEXAEPOXY-
2,6,10,15,19,23-HEXAMETHYL-
MW: 506.80 MOLFM: O6-C30-H50
SYN: HEXAEPOXYSQUALENE *
TXDS: skn-mus TDLo:4440 mg/kg/37WI TFX:NEO JNCIAM 31,41,63

XB87000. TETRADECANOYLETHYLENEIMINE see:CM81000 AZIRIDINE, 1-MYRISTOYL-

XC28000. TETRAETHYL LEAD see:TP45500 PLUMBANE, TETRAETHYL-

XC40000. 1',2',3',4'-TETRAHYDRO-4,10-ACE-1,2-BENZANTHRACENE see:CU15000 BENZ(e)ACEANTHRYLENE,
1,2,4,5,6,7-HEXAHYDRO-

XC47250. 2,5,2',5'-TETRAFLUORO-4-DIMETHYLAMINOAZOBENZENE see:BX50750 ANILINE, N,N-DIMETHYL-
2,5-DIFLUORO-p-(2,5-DIFLUOROPHENYLAZO)-

XC54250. 1,2,5,6-TETRAHYDROBENZO(j)CYCLOPENT(fg)ACEANTHRYLENE see:DE84000
BENZO(j)CYCLOPENT(fg)ACEANTHRYLENE, 1,2,5,6-TETRAHYDRO-

XC57750. 1',2',3',4-TETRAHYDRO-3,4-BENZPYRENE
TXDS: scu-mus TDLo:400 mg/kg/I TFX:NEO AJCAA7 36,211,39

XC62750. 1,2,3,4-TETRAHYDRODIBENZ(a,h)ANTHRACENE see:HN57000 DIBENZ(a,h)ANTHRACENE, 1,2,3,4-TETRAHYDRO-

XC63000. 1,2,3,4-TETRAHYDRODIBENZ(a,j)ANTHRACENE see:HN57750 DIBENZ(a,j)ANTHRACENE, 1,2,3,4-TETRAHYDRO-

XC66500. 8,9,10,11-TETRAHYDRO-7,12-DIMETHYLBENZ(a)ANTHRACENE see:CX31500 BENZ(a)ANTHRACENE, 8,9,10,11-TETRAHYDRO-7,12-DIMETHYL-

XC74500. 1,2,3,6-TETRAHYDRO-3,6-DIOXOPYRIDAZINE see:UR59500 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO-

XC98000. 2,3,6a-alpha,9a-alpha-TETRAHYDRO-4-METHOXYCYCLOPENTA(c)FURO(3',2':4,5)FURO(2,3-h)(1)BENZOPYRAN-1,11-DIONE see:GY19250 CYCLOPENTA(c)FURO(3',2':4,5)FURO(2,3-h)(1)BENZOPYRAN-1,11-DIONE, 2,3,6a,9a-TETRAHYDRO-4-METHOXY-

XD01750. TETRAHYDRO-N-METHYL-N-NITROSO-3-THIOPHENAMINE 1,1-DIOXIDE see:SP64750 PHENAMINE, TETRAHYDRO-N-METHYL-N-NITROSO-3-THIO-, 1,1-DIOXIDE

XD49000. TETRAIODO-alpha,alpha'-DIETHYL-4,4'-STILBENEDIOL see:WJ59500 4,4'-STILBENEDIOL, TETRAIODO-alpha,alpha'-DIETHYL-

XD59500. TETRAKIS(DIETHYLDITHIOCARBAMATO)SELENIUM see:VT07000 SELENIUM, TETRAKIS(DIETHYLDITHIOCARBAMATO)-

XD89600. 1,3,4,10-TETRAMETHYL-7,8-BENZACRIDINE (French) see:CU38650 BENZ(c)ACRIDINE, 7,8,9,11-TETRAMETHYL-

XD91000. 5,6,9,10-TETRAMETHYL-1:2-BENZANTHRACENE see:CX33250 BENZ(a)ANTHRACENE 7,8,9,12-TETRAMETHYL-

XD93200. 6,7,9,10-TETRAMETHYL-1,2-BENZANTHRACENE see:CX34000 BENZ(a)ANTHRACENE, 7,9,10,12-TETRAMETHYL-

XD97000. TETRAMETHYL-1,3-CYCLOBUTANEDIONE see:GU17750 1,3-CYCLOBUTANEDIONE, TETRAMETHYL-

XE05250. TETRAMETHYLDIAMINODIPHENYLACETIMINE see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

XE14500. TETRAMETHYLENE BIS(METHANESULFONATE see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

XE22750. TETRAMETHYLENE DIMETHANE SULFONATE see:EK17500 1,4-BUTANEDIOL DIMETHYLSULFONATE

XF42000. 1,2,3,4-TETRAMETHYLPHENANTHRENE
TXDS: skn-mus TDLo:120 mg/kg/WI TFX:NEO PRLBA4 131,170,42

XE52500. N,N,2,3-TETRAMETHYL-4-(4'-(PYRIDYL-1'-OXIDE)AZO)ANILINE see:UT22750 PYRIDINE, 4-((4-(DIMETHYLAMINO)-2,3-XYLYL)AZO-, 1-OXIDE

XE53350. N,N,2,6-TETRAMETHYL-4-(4'-(PYRIDYL-1'-OXIDE)AZO)ANILINE see:UT26250 PYRIDINE, 4-((4-(DIMETHYLAMINO)-3,5-XYLYL)AZO)-, 1-OXIDE

XE54250. N,N,2,5-TETRAMETHYL-4-(4'-(PYRIDYL-1'-OXIDE)AZO)ANILINE see:UT24500 PYRIDINE, 4-((4-(DIMETHYLAMINO)-2,5-XYLYL)AZO)-, 1-OXIDE

XF05000. TETRA OLIVE N2G see:CA93500 ANTHRACENE

XF07000. 4,7,10,13-TETRAOXAHEXADECANE, 1,2:15,16-DIEPOXY-
CAS: 001954285 MW: 262.34 MOLFM: C6-C12-H22
WLN: T30TJ B1O2O 22
SYN: AYERST 62013 * 1,2:15,16-DIEPOXY-4,7,10,13-TETRAOXAHEXADECANE * DIGLYCIDYLTRIETHYLENE GLYCOL * EPODYL * ETOGLUCID * ICI-32865 * TRIETHYLENE GLYCOL DIGLYCIDYL ETHER *
TXDS: ipr-mus TDLo:3800 mg/kg/4W TFX:NEO JNCIAM 36,915,66

XF12250. TETRAPHENE see:CV92750 BENZ(a)ANTHRACENE

XG35000. THALLIUM
CAS: 007440280 MW: 204.37 MOLFM: Tl
WLN: TL
SYN: TAL (Polish) *
TXDS: orl-rat TDLo:0.8 mg/kg/DC TFX:NEO ZEKBAI 21,11,23

XG96050. THEELIN see:KG85750 ESTRONE

XG96250. THEELIN, DIHYDRO- see:KG29750 ESTRADIOL

XG98000. THEELOL see:KG82250 ESTRIOL

XH06000. THELESTRIN see:KG85750 ESTRONE

XH06500. THELYKININ see:KG85750 ESTRONE

XH30180. THEOLOXIN see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

XH57750. THEOPHYLLINE, 7-HYDROXY-
MW: 196.19 MOLFM: N4-O3-C7-H8
WLN: T56 BN DN FNVNVJ BQ F H
SYN: 7-HYDROXYTHEOPHYLLIN (German) *
TXDS: scu-mus TDLo:700 mg/kg/25WI TFX:NEO ARZNAD 21(3),356,71

XH70800. THERAMINE see:MS10500 HISTAMINE

XH71750. THERAPOL see:WO84000 SULFANILAMIDE

XH82250. 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 6-AMINO-3,3-DIMETHYL-7-OXO-
CAS: 000551166 MW: 216.28 MOLFM: N2-O3-S-C8-H12
SYN: 6-AMINOPENICILLANIC ACID * 6-APA *
TXDS: scu-mus TDLo:2600 mg/kg/65W TFX:NEO BJCAAI 19,392,65

XH96250. 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-
(2-PHENYLACETAMIDO)-
CAS: 000061336 MW: 334.42 MOLFM: N2-O4-S-C16-H18
WLN: T45 ANV ESTJ CNV1B& F F GVQ
SYN: ABBOCILLIN * BENZYL-6-AMINOPENICILLINIC ACID * BENZYLPENICILLIN *
COMPOCILLIN-G * FREE BENZYLPENICILLIN * FREE PENICILLIN G * FREE
PENICILLIN II * LIQUACILLIN * PENCILLIN G * PENICILLIN G * PENICILLINIC
ACID, BENZYL- * PHENYLACETAMIDOPENICILLANIC ACID *
TXDS: scu-rat TDLo:1300 mg/kg/61W TFX:CAR BJCAAI 17,100,63
ivn-mus LD50:329 mg/kg BCPCA6 16,1365,67

XH98000. 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYL=
ACETAMIDO)-, MONOSODIUM SALT
CAS: 000069578 MW: 356.41 MOLFM: N2-O4-S-C16-H17.Na
WLN: T45 ANV ESTJ CNV1B& F F GVQ
SYN: AMERICAN PENICILLIN * BENZYLPENICILLINIC ACID SODIUM SALT * BENZYLPENICILLIN
SODIUM * BENZYLPENICILLIN SODIUM SALT * NOVOCILLIN * PENICILLIN
G, SODIUM * PENICILLIN G, SODIUM SALT * PENILARYN * SODIUM BENZYLPENICILLIN
* SODIUM BENZYLPENICILLINATE * SODIUM PENICILLIN G * SODIUM PENICILLIN
II * VETICILLIN *
TXDS: scu-rat TDLo:736 mg/kg/46W TFX:CAR BJCAAI 15,85,61

XI22000. THIACOCCINE see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

XJ04200. THIAZAMIDE see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

XJ15750. THIAZOLE, 2-ACETAMIDO-4-(5-NITRO-2-FURYL)- see:AC66500 ACETAMIDE,
N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)-

XJ17500. THIAZOLE, 2-ACETAMINO-4-(5-NITRO-2-FURYL)- see:AC66500 ACETAMIDE,
N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)-

XJ19250. THIAZOLE, 2-ACETYLAMINO-4-(5-NITRO-2-FURYL)- see:AC66500 ACETAMIDE,
N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)-

XJ28500. THIAZOLE, 2-AMINO-4-(5-NITRO-2-FURYL)-
MW: 210.20 MOLFM: N3-O3-S-C7-H4
SYN: 2-AMINO-4-(5-NITRO-2-FURYL)THIAZOLE *
TXDS: orl-mus TDLo:12 gm/kg/10WC TFX:NEO CNREA8 33,1593,73

XJ28800. THIAZOLE, 4-(p-AMINOPHENYL)-2-HYDRAZINO-
MW: 206.29 MOLFM: N4-S-C9-H10
WLN: T5N CSJ BMZ ER DZ
SYN: 2-HYDRAZINO-4-(p-AMINOPHENYL)THIAZOLE * 2-HYDRAZINO-4-(4-AMINOPHENYL)
THIAZOLE *
TXDS: orl-rat TDLo:12 gm/kg/24WC TFX:CAR CNREA8 30,897,70

XJ46000. THIAZOLE, 2-(2,2-DIMETHYLHYDRAZINO)-4-(5-NITRO-2-FURYL)-
CAS: 026049694 MW: 254.29 MOLFM: N4-O3-S-C9-H10
SYN: 2-(2,2-DIMETHYLHYDRAZINO)-4-(5-NITRO-2-FURYL)THIAZOLE *
TXDS: orl-rat TDLo:4000 mg/kg/46WI TFX:CAR CNREA8 30,897,70
orl-mus TDLo:7 gm/kg/10WC TFX:CAR CNREA8 33,1593,73

XJ49000. THIAZOLE, 2-HYDRAZINO-4(5-NITRO-2-FURYL)-
CAS: 026049683 MW: 226.21 MOLFM: N4-O3-S-C7-H6
WLN: T5OJ BNW E- ET5N CSJ BMZ
SYN: 2-HYDRAZINO-4-(5-NITRO-2-FURYL)THIAZOLE *
TXDS: orl-rat TDLo:21 gm/kg TFX:CAR CNREA8 30,897,70
orl-mus TDLo:7 gm/kg/10WC TFX:NEO CNREA8 33,1593,73

XJ50750. THIAZOLE, 2-HYDRAZINO-4-(p-NITROPHENYL)-
CAS: 026049707 MW: 236.25 MOLFM: N4-O2-S-C9-H8
SYN: 2-HYDRAZINO-4-(4-NITROPHENYL)THIAZOLE *
TXDS: orl-rat TDLo:36 gm/kg/46WC TFX:CAR CNREA8 30,897,70
orl-mus TDLo:1400 mg/kg/10WC TFX:NEO CNREA8 33,1593,73

XJ76000. N(sup 1)-2-THIAZOLYLSULFANILAMIDE see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

XK14550. THILOPHENYL see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

XK15100. THIMECIL see:YR08750 URACIL, 6-METHYL-2-THIO-

XK24500. THIOACETAMIDE see:AC89250 ACETAMIDE,THIO

XK35000. 4,4'-THIOANILINE see:BY96250 ANILINE, 4,4'-THIODI-

XK41000. THIOBENZYL ALCOHOL see:XT86500 alpha-TOLUENETHIOL

XK41500. 1,1'-THIOBIS(2-CHLOROETHANE) see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)

XK50750. THIOCARBAMIDE see:YU28000 UREA, THIO-

XL38500. p,p-THIODIANILINE see:BY96250 ANILINE, 4,4'-THIODI-

XL93850. THIOKARBONYLTETRACHLORID (Czech) see:PB52500 METHANETHIOL, TRICHLORO-
PERCHLORMETHYLMERKAPTAN (Czech)

XM29750. THIOMORPHOLIDOPHOSPHORIC DIETHYLENIMIDE see:SZ26250 PHOSPHINE SULFIDE, BIS(1-AZIRIDINYL)MORPHOLINO-

XM56000. 2-THIO-4-OXO-6-PROPYL-1,3-PYRIMIDINE see:YR14000 URACIL, 6-PROPYL-2-THIO-

XN26250. THIOPHOSPHAMIDE see:SZ29750 PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)

XN28000. THIOPHOSPHORAMIDE, N,N',N"-TRIETHYLENE- see:SZ29750 PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)

XN38500. 2-THIO-6-PROPYL-1,3-PYRIMIDIN-4-ONE see:YR14000 URACIL, 6-PROPYL-2-THIO-

XN59500. THIOSEPTAL see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

XN70000. THIO-TEPA see:SZ29750 PHOSPHINE SULFIDE, TRIS(1-AZIRIDINYL)-

XN87500. THIOTRIETHYLENEPHOSPHORAMIDE see:SZ29750 PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)

XN91000. 2-THIOURACIL see:YR15750 URACIL, 2-THIO-

XN92750. THIOUREA see:YU28000 UREA, THIO-

XN98000. THIOURETHANE see:FD14000 CARBAMIC ACID, THIO-, S-ETHYL ESTER

XN98800. THIOURACIL see:YR15750 URACIL, 2-THIO-

XO20000. THIOZAMIDE see:WP23600 SULFANILAMIDE, N(sup 1)-2-THIAZOLYL-

XO56400. T-H KLEAN DROP see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

XO63000. THORIA see:XO66500 THORIUM DIOXIDE

XO66500. THORIUM DIOXIDE
CAS: 001314201 MW: 264.04 MOLFM: O2-Th
WLN: .TH..O2
SYN: THORIA * THORIUM OXIDE * THOROTRAST * THORTRAST *
TXDS: scu-rat TDLo:600 mg/kg/2WI TFX:CAR BJEPA5 19,100,38
scu-mus TDLo:1600 mg/kg/2WI TFX:CAR BJEPA5 19,100,38
ims-mus TDLo:800 mg/kg TFX:NEO CNREA8 22,152,62

XO70000. THORIUM OXIDE see:XO66500 THORIUM DIOXIDE

XO73500. THOROTRAST see:XO66500 THORIUM DIOXIDE

XO75250. THORTRAST see:XO66500 THORIUM DIOXIDE

XO85750. THREITOL, 1,2:3,4-DIANHYDRO- see:EJ82250 BUTANE, 1,2:3,4-DIEPOXY-

XP11400. THULOL see:KG82250 ESTRIOL

XP28000. THYMOQUINONE see:OS82250 p-MENTHA-3,6-DIENE-2,5-DIONE

XP33600. THYNESTRON see:KG85750 ESTRONE

XP34000. THYREOSTAT see:YR08750 URACIL, 6-METHYL-2-THIO-

XP34350. THYREOSTAT I see:YR08750 URACIL, 6-METHYL-2-THIO-

XP35000. THYREOSTAT II see:YR14000 URACIL, 6-PROPYL-2-THIO-

XP44550. TIBAZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

XP44954. TIBEMID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

XP47250. TIBINIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

XP49400. TIBISON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

XP49800. TIBIVIS see:NS17500 ISONICOTINIC ACID HYDRAZIDE

XP52500. TIBIZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

XP54750. TIBUSAN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

XP59500. TIEZENE see:ZR33250 ZINC, (ETHYLENEBIS(DITHIOCARBAMATO)-

XP68250. TILCAREX see:DA66500 BENZENE, PENTACHLORONITRO-

XP69000. TILDIN see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

XQ85750. TIONAL see:EJ52500 BUTANE, 2,2-BIS(ETHYLSULFONYL)-

XR08750. TISIN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

XR10500. TISIODRAZIDA see:NS17500 ISONICOTINIC ACID HYDRAZIDE

XR20500. TITANIUM, DICHLORO-DI-pi-CYCLOPENTADIENYL-
MW: 249.00 MOLFM: C12-Ti-C10-H10
SYN: TITANOCENE, DICHLORIDE *
TXDS: ipr-rat LD50:30 mg/kg NCIUS* PH-43-64-886
ims-rat TDLo:1000 mg/kg/2.1YI TFX:CAR PWPSAA 14,68,71
ipr-mus LD50:245 mg/kg NCIUS* PH-43-64-886
ims-mus LD50:250 mg/kg NCIUS* PH-43-64-886
ims-ham LDLo:83 mg/kg NCIUS* PH-43-64-886

XR28200. TITANOCENE, DICHLORIDE see:XR20500 TITANIUM, DICHLORO-DI-pi-CYCLOPENTADIENYL-

XP32400. TIXANOL BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))- BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

XR35000. TIZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

XR84500. TOIN see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

XR85000. TOIN UNICELLES see:MU10500 HYDANTOIN, 5,5-DIPHENYL-

XS06650. 2-TOLIDIN (German) see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

XS06800. 2-TOLIDINA (Italian) see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

XS08750. TOLIDINE see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

XS10500. o-TOLIDINE see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

XS11200. 2-TOLIDINE see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

XS12250. 3,3'-TOLIDINE see:DD12250 BENZIDINE, 3,3'-DIMETHYL-

XS43750. p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLAZO)-
CAS: 002235598 MW: 219.32 MOLFM: N3-O-C12-H17
WLN: 1YMVR D1NUN1
SYN: N-ISOPROPYL-alpha-(2-METHYLAZO)-p-TOLUAMIDE *
TXDS: orl-mus TDLo:2800 mg/kg/8WI TFX:CAR JNCIAM 42,337,69

XS45500. p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-
CAS: 000671169 MW: 221.34 MOLFM: N3-O-C12-H19
WLN: 1Y&MVR D1MM1
SYN: IBENZMETHYZINE * N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-p-TOLUAMIDE * 4-((2-METHYLHYDRAZINO)METHYL)-N-ISOPROPYLBENZAMIDE * 1-METHYL-2-(1-METHYL-2-(p-(ISOPROPYLCARBAMOYL)BENZYL)HYDRAZINE * MIH * NATULAN * PROCARBAZIN (German) *
TXDS: ivn-rat TDLo:1250 mg/kg/1YI TFX:CAR ARZNAD 20,1461,70

XS47250. p-TOLUAMIDE, N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE
CAS: 000366701 MW: 257.80 MOLFM: N3-O-C12-H19 .Cl-H
WLN: 1Y&MVR D1MM1 &GH

SYN: IBENZMETHYZIN HYDROCHLORIDE * IBENZMETHYZINE HYDROCHLORIDE * IBZ * 1-(p-ISOPROPYLCARBAMOYLBENZYL)-2-METHYLHYDRAZINE HYDROCHLORIDE * 2-(2-(p-(ISOPROPYLCARBAMOYL)BENZYL)-1-METHYLHYDRAZINE HYDROCHLORIDE * N-ISOPROPYL-alpha-(2-METHYLHYDRAZINO)-p-TOLUAMIDE HYDROCHLORIDE * N-ISOPROPYL-p-(2-METHYLHYDRAZINOMETHYL)BENZAMIDE HYDROCHLORIDE * MBH * p-(N p-(N'-METHYLHYDRAZINOMETHYL)-N-ISOPROPYLBENZAMIDE HYDROCHLORIDE * 1-METHYL-2-p-(ISOPROPYLCARBAMYOL)BENZOHYDRAZINE HYDROCHLORIDE * 1-METHYL-2-(p-ISOPPOPYLCARBAMOYLBENZYL)HYDRAZINE HYDROCHLORIDE * MIH * NATULAN * NATULAN HYDROCHLORIDE * NSC-77213 * PROCARBAZINE HYDROCHLORIDE * RO 4-6467 *

TXDS: orl-rat LD50:270 mg/kg TXAPA9 18,185,71
orl-rat TDLo:500 mg/kg TFX:CAR JNCIAM 40,1027,68
ipr-rat TDLo:500 mg/kg TFX:CAR JNCIAM 40,1027,68
orl-mus TDLo:1340 mg/kg/8WI TFX:CAR JNCIAM 42,337,69
ipr-mus TDLo:1140 mg/kg/5WI TFX:CAR JNCIAM 42,337,69

XS49000. TOLUAZOTOLUIDINE see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

XS68250. TOLUENE-2-AZONAPHTHOL-2 see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

XS89250. TOLUENE, alpha-CHLORO-
CAS: 000100447 MW: 126.59 MOLFM: C1-C7-H7
WLN: G1R
SYN: BENZILE (CLORURO DI) (Italian) * BENZYL CHLORIDE * BENZYLE (CHLORURE DE) (French) * BENZYLCHLORID (German) * alpha-CHLOROTOLUENE * omega-CHLOROTOLUENE * alpha-CHLORTOLUOL (German) * CHLORURE DE BENZYLE (French) *

TXDS: ihl-hmn TCLo:16 ppm TFX:UNS DTLVS*
orl-rat LD50:1231 mg/kg RMTH** -,24,72
scu-rat TDLo:50 mg/kg TFX:NEO FCTXAV 6,576,68
orl-mus LD50:1624 mg/kg RMTH** -,24,72
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 1 ppm FEREAC 37,22139,72

XS94500. m-TOLUENEDIAMINE see:XS96250 TOLUENE-2,4-DIAMINE

XS96250. TOLUENE-2,4-DIAMINE
CAS: 000095807 MW: 122.19 MOLFM: N2-C7-H10
WLN: ZR CZ D
SYN: 2,4-DIAMINOTOLUEN (Czech) * 2,4-DIAMINOTOLUENE * FOURAMINE J * FOURRINE M * FOURRINE 94 * 4-METHYL-m-PHENYLENEDIAMINE * NAKO TMT * PELAGOL GREY J * PELAGOL J * PONTAMINE DEVELOPER TN * RENAL MD * m-TOLUENEDIAMINE * 2,4-TOLUENEDIAMINE * m-TOLUYLENEDIAMINE * m-TOLUYLENDIAMIN (Czech) * 2,4-TOLUYLENEDIAMINE * m-TOLYENEDIAMINE * 2,4-TOLYLENEDIAMINE * ZOBA GKE *

TXDS: orl-rat LDLo:500 mg/kg NCNSA6 5,11,53
scu-rat TDLo:280 mg/kg/35W TFX:NEO GANNA2 46,367,55

XS98000. 2,4-TOLUENEDIAMINE see:XS96250 TOLUENE-2,4-DIAMINE

XT56000. p-TOLUENESULFONAMIDE, N,N-BIS(2,3-EPOXYPROPYL)-
MW: 283.37 MOLFM: N-O4-S-C13-H17
WLN: T3OTJ B1 2NSWR D
SYN: N,N-BIS(2,3-EPOXYPROPYL)-p-TOLUENESULFONAMIDE * N,N-DIGLYCIDYL-N,N-DIGLYCIDYL-p-TOLUENESULFONAMIDE *

TXDS: scu-mus TDLo:21 gm/kg/YI TFX:NEO FCTXAV 4,365,66

XT59500. p-TOLUENESULFONAMIDE, N-METHYL-N-NITROSO-
CAS: 000080115 MW: 214.26 MOLFM: N2-O3-S-C8-H10
WLN: ONN1&SWR D
SYN: DIAZALD * N-NITROSO-N-METHYL-4-TOLYLSULFONAMIDE * p-TOLYLSULFONYLMETHYLNITROSAMINE *

TXDS: orl-rat LD50:2700 mg/kg NATWAY 48,165,61
ipr-mus LD50:19 mg/kg CNREA8 30,11,70
ipr-mus TDLo:15 mg/kg TFX:NEO CNREA8 30,11,70

XT68250. p-TOLUENESULFONIC ACID, ETHYL ESTER
CAS: 000080400 MW: 200.27 MOLFM: O3-S-C9-H12
WLN: 2OSWR D
SYN: ETHYL p-METHYL BENZENESULFONATE * ETHYL PTS * ETHYL-p-TOLUENESULFONATE * ETHYL p-TOSYLATE *

TXDS: scu-rat TDLO:50 mg/kg TFX:NEO FCTXAV 6,576,68

XT70000. p-TOLUENESULFONIC ACID, METHYL ESTER
CAS: 000080488 MW: 188.26 MOLFM: O3-S-C8-H10
WLN: 1OSWR D
SYN: METHYLESTER KYSELINY p-TOLUENSULFONOVE (Czech) * METHYL-p-TOLUENESULFONATE * METHYL TOSYLATE *

TXDS: orl-rat LDLo:1000 mg/kg NCNSA6 5,42,53
scu-rat TDLo:50 mg/kg TFX:NEO FCTXAV 6,576,68

XT86500. alpha-TOLUENETHIOL
CAS: 000100538 MW: 124.21 MOLFM: S-C7-H8
WLN: SH1R
SYN: BENZYL MERCAPTAN * BENZYLTHIOL * METHANETHIOL, PHENYL- * THIOBENZYL ALCOHOL *
TXDS: orl-rat LD50:493 mg/kg AIHAAP 19,171,58
ipr-rat LD50:373 mg/kg AIHAAP 19,171,58
skn-mus TDLo:3 mg/kg/I TFX:NEO AJCAA7 15,2149,31
ipr-mus LD50:100 mg/kg CURL** -,10,62

XU05200. o-TOLUENO-AZO-beta-NAPHTHOL see:QL54250 2-NAPHOL, 1-(o-TOLYLAZO)-

XU28000. m-TOLUIDINE
CAS: 000108441 MW: 107.17 MOLFM: N-C7-H9
WLN: ZR C
SYN: 3-AMINO-1-METHYLBENZENE * 3-AMINOTOLUEN (Czech) * ANILINE, 3-METHYL- * 3-METHYLANILINE * m-TOLUIDIN (Czech) *
TXDS: orl-rat LD50:974 mg/kg 28ZPAK -,66,72
orl-rat TDLo:6600 ug/kg/19WI TFX:NEO APMIAL 26,447,49
ipr-mus LDLo:150 mg/kg NTIS** AD 691-490

XU29750. o-TOLUIDINE
CAS: 000095534 MW: 107.17 MOLFM: N-C7-H9
WLN: ZR B
SYN: 2-AMINO-1-METHYLBENZENE * 2-AMINOTOLUENE * ANILINE, 2-METHYL- * o-METHYLANILINE * 2-METHYLANILINE * o-TOLUIDIN (Czech) * O-TOLUIDYNA (Polish) *
TXDS: ipr-mus LDLo:150 mg/kg NTIS** AD 691-490
orl-rat LD50:900 mg/kg TXAPA9 22,153,72
orl-rat TDLo:8200 mg/kg/24WI TFX:NEO APMIAL 26,447,49
skn-rbt LD50:3250 mg/kg AIHAAP 23,95,62
U.S. OCCUPATIONAL STANDARD USOS-air:TWA 5 ppm(skin) FEREAC 37,22139,72

XU33000. 4-TOLUIDINE, alpha-(p-AMINOPHENYL)-alpha-(4-IMINO-2,5-CYCLOHEXADIEN-1-YLIDENE)-MONOHYDROCHLORIDE
MW: 322.84 MOLFM: N3-C19-H16 .Cl-H
TXDS: scu-rat TDLo:1700 mg/kg/43WI TFX:NEO BATWAY 43,543,56

XU59500. m-TOLUIDINE, N,N-DIMETHYL-4-(PHENYLAZO)-
CAS: 000548862 MW: 239.35 MOLFM: N3-C15-H17
WLN: 1N1&R C DNUNR
SYN: N,N-DIMETHYL-4-(PHENYLAZO)-m-TOLUIDINE * 2-METHYL-DAB * 2-METHYL-4-DIMETHYLAMINOAZOBENZENE *
TXDS: scu-mus TDLo:240 mg/kg/5DI TFX:NEO JNCIAM 47,593,71

XU60500. m-TOLUIDINE, N,N-DIMETHYL-4-(p-TOLYLAZO)-
MW: 253.37 MOLFM: N3-C16-H19
WLN: 1N1&R DNUNR B D
SYN: 2,4'-DIMETHYL-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:8200 mg/kg/35WC TFX:NEO ARZNAD 12,270,62

XU64750. m-TOLUIDINE, 4'-ETHYL-N,N-DIMETHYL-4-(PHENYLAZO)-
MW: 267.41 MOLFM: N3-C17-H21
WLN: 2R DNUNR B DN1&1
SYN: 4'-ETHYL-N,N-DIMETHYL-4-(PHENYLAZO)-m-TOLUIDINE * 4'-ETHYL-2-METHYL-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:5400 mg/kg/24WC TFX:CAR ARZNAD 12,270,62

XU70000. m-TOLUIDINE, 4'-FLUORO-N,N-DIMETHYL-4-(PHENYLAZO)-
MW: 254.31 MOLFM: N3-F-C15-H13
WLN: FR DNUNR B DN1&1
SYN: 4'-FLUORO-N,N-DIMETHYL-4-(PHENYLAZO)-m-TOLUIDINE * 4'-FLUORO-2-METHYL-4-DIMETHYLAMINOAZOBENZENE *
TXDS: orl-rat TDLo:120 mg/kg/35WC TFX:NEO ARZNAD 12,270,62

XU79000. o-TOLUIDINE, N-METHYL-p-(PHENYLAZO)-
MW: 224.31 MOLFM: N3-C14-H14
WLN: 1MR B DNUNR
TXDS: orl-rat TDLo:9864 mg/kg/39WC TFX:NEO JEMEAV 87,139,48

XU84000. m-TOLUIDINE, 4-(m-TOLYLAZO)-
MW: 225.17 MOLFM: N3-C14-H15
WLN: ZR C DNUNR C
SYN: 4'-AMINO-3-2'-AZOTOLUENE *
TXDS: orl-mus TDLo:48 gm/kg/57WC TFX:CAR BJCAAI 3,387,49

XU85750. m-TOLUIDINE, 4-(p-TOLYLAZO)-
MW: 225.17 MOLFM: N3-C14-H15
WLN: ZR C DNUNR D
SYN: 4'-AMINO-4-2'-AZOTOLUENE *
TXDS: orl-mus TDLo:49 gm/kg/57WC TFX:CAR BJCAAI 3,387,49

XU88000. o-TOLUIDINE, 4-(o-TOLYLAZO)-
CAS: 000097563 MW: 225.17 MOLFM: N3-C14-H15
WLN: ZR B DNUNR B
SYN: o-AMINOAZOTOLUENE * 2-AMINO-5-AZOTOLUENE * 4-AMINO-2',3-DIMETHYLAZOBENZENE * BRASILAZINA OIL YELLOW R * C.I. SOLVENT YELLOW 3 * 2',3-DIMETHYL-4-AMINOAZOBENZENE * FAST GARNET GBC BASE * FAST YELLOW AT * FAT YELLOW B * HIDACO OIL YELLOW * OAAT * OIL YELLOW C * OIL YELLOW I * OIL YELLOW 2R * OIL YELLOW 21 * OIL YELLOW 2681 * OIL YELLOW AT * ORGANOL YELLOW 2T * SOMALIA YELLOW R * SUDAN YELLOW RRA * TOLUAZOTOLUIDINE * 4-(o-TOLYLAZO)-o-TOLUIDINE * TULABASE FAST GARNET GB * TULABASE FAST GARNET GBC *
TXDS: orl-rat LDLo:1500 mg/kg CNREA8 26,619,66
orl-rat TDLo:12 gm/kg/57WC TFX:CAR BJCAAI 3,387,49
orl-mus TDLo:7000 mg/kg/70D TFX:CAR JNCIAM 16,107,55
scu-mus TDLo:330 mg/kg TFX:CAR GANNA2 56,135,65
imp-mus TDLo:80 mg/kg TFX:NEO BJCAAI 22,825,68
orl-ham TDLo:840 mg/kg/6WC TFX:CAR BJCAAI 19,297,65

XU89250. o-TOLUIDINE, 4-(p-TOLYLAZO)-
MW: 225.17 MOLFM: N3-C14-H15
WLN: ZR B DNUNR D
SYN: 4'-AMINO-4-3'-AZOTOLUENE *
TXDS: orl-mus TDLo:48 gm/kg/57WC TFX:CAR BJCAAI 3,387,49

XU91000. p-TOLUIDINE, 2-(o-TOLYLAZO)-
MW: 225.17 MOLFM: N3-C14-H15
TXDS: orl-rat TDLo:12 gm/kg/57WC TFX:CAR BJCAAI 3,387,49
orl-mus TDLo:48 gm/kg/57WC TFX:CAR BJCAAI 3,387,49

XU93000. O-TOLUIDYNA (Polish) see:XU29750 o-TOLUIDINE

XV17500. p-TOLUQUINONE see:DK63000 p-BENZOQUINONE, 2-METHYL-

XV19250. p-TOLUQUINONE, 5-ISOPROPYL- see:OS82250 p-MENTHA-3,6-DIENE-2,5-DIONE

XV22750. m-TOLUYLENEDIAMINE see:XS96250 TOLUENE-2,4-DIAMINE

XV24500. 2,4-TOLUYLENEDIAMINE see:XS96250 TOLUENE-2,4-DIAMINE

XV29750. m-TOLYENEDIAMINE see:XS96250 TOLUENE-2,4-DIAMINE

XV42000. m-TOLYAZOACETANILIDE see:AE75250 ACETANILIDE, m-TOLYAZO-

XV43750. 1-o-TOLYLAZO-2-NAPHTHOL see:QL54250 2-NAPHTHOL, 1-(o-TOLYLAZO)-

XV45500. 1-(o-TOLYLAZO)-2-NAPHTHYLAMINE
CAS: 000131793 MW: 261.35 MOLFM: N3-C17-H15
WLN: L66J BNUNR B& CZ
TXDS: par-rat TDLo:6 mg/kg/WC TFX:NEO PEPRA7 16,367,57

XV47250. 4-(o-TOLYLAZO)-o-TOLUIDINE see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

XV49000. o-TOLYLAZO-o-TOLYLAZO-beta-NAPHTHOL see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

XV50750. o-TOLYLAZO-o-TOLYLAZO-2-NAPHTHOL see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

XV52500. 1-(4-o-TOLYLAZO-o-TOLYLAZO)-2-NAPHTHOL see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

XV53500. 1-(o-TOLYLAZO)-2-NAPHTHYLAMINE see:QM50000 2-NAPHTHYLAMINE, 1-(o-TOLYLAZO)-

XV56000. 2,4-TOLYLENEDIAMINE see:XS96250 TOLUENE-2,4-DIAMINE

XV89250. p-TOLYLSULFONYLMETHYLNITROSAMINE see:XT59500 p-TOLUENESULFONAMIDE, N-METHYL-N-NITROSO-

XW19250. TONKA BEAN CAMPHOR see:GN42000 COUMARIN

XW21000. TONOX see:BY54250 ANILINE, 4,4'-METHYLENEDI-

XW57750. TOXILIC ANHYDRIDE see:ON36750 MALEIC ANHYDRIDE

XW61600. TOYO AMARANTH see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

XW62300. TOYO OIL ORANGE see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

XW63000. TOYO OIL RED BB see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

XW64750. TOYO OIL YELLOW G see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

XX02218. 3,4:5,6-DIBENZACRIDINE METHOSULFATE see:PN19250 DIBENZ(a,j)ACRIDINE METHOSULFATE

XX21000. TREMOLITE see:CI64750 ASBESTOS

XX23500. TRENIMON see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

XX29750. TETRAMINE see:XZ21000 S-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

XX42500. TRIACETALDEHYDE (French) see:YK05250 s-TRIOXANE, 2,4,6-TRIMETHYL-

XX63000. TRIALLYL PHOSPHATE see:TC85750 PHOSPHORIC ACID, TRI-2-PROPENYL ESTER

XX76000. TRI-p-ANISYLCHLOROETHYLENE see:KV06000 ETHYLENE, CHLOROTRIS(p-METHOXYPHENYL)-

XX77000. TRIANON see:DA96250 BENZENESULFONAMIDE, 4-AMINO-N-(2-PYRIDINYL)-

XX78750. TRIANTINE LIGHT BROWN 3RN see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-

XX84000. TRIATOMIC OXYGEN see:RS82250 OZONE

XY04500. TRIAZENE, 3,3-DIETHYL-1-PHENYL-
MW: 177.28 MOLFM: N3-C10-H15
SYN: 1-FENYL-3,3-DIETHYLTRIAZEN (Czech) *
TXDS: orl-rat LD50:520 mg/kg 28ZPAK -,77,72
scu-rat LD50:420 mg/kg ZEKBAI 81,285,74
scu-rat TDLo:1400 mg/kg/70WI TFX:CAR ZEKBAI 81,285,74

XY04750. TRIAZENE, DIETHYL-m-PYRIDYL-
SYN: meta-PYRIDYL-DIETHYL-TRIAZENE *
TXDS: orl-rat TDLo:2 mg/kg TFX:CAR ZEKBAI 77,217,72
scu-rat TDLo:10 mg/kg TFX:CAR ZEKBAI 77,217,72

XY04950. TRIAZENE, 3,3-DIETHYL-1-(m-PYRIDYL)-
MW: 179.28 MOLFM: N4-C9-H15
TXDS: scu-rat LD50:210 mg/kg ZEKBAI 81,285,74
scu-rat TDLo:500 mg/kg/50WI TFX:NEO ZEKBAI 81,285,74
ivn-rat LD50:165 mg/kg XENO** 3,271,73
ivn-rat TDLo:55 mg/kg/(15D Preg) TFX:TER XENO** 3,271,73

XY07000. TRIAZENE, 3,3-DIMETHYL-1-p-CHLOROPHENYL-
MW: 183.66 MOLFM: N3-Cl-C8-H10
SYN: 1-p-CHLORFENYL-3,3-DIMETHYLTRIAZEN (Czech) *
TXDS: orl-rat LD50:362 mg/kg 28ZPAK -,98,72
scu-rat LD50:330 mg/kg ZEKBAI 81,285,74
scu-rat TDLo:3500 mg/kg/70WI TFX:CAR ZEKBAI 81,285,74

XY12250. TRIAZENE, 3,3-DIMETHYL-1-p-METHOXYPHENYL-
MW: 179.25 MOLFM: N3-O-C9-H13
SYN: 1-p-METHOXYFENYL-3,3-DIMETHYLTRIAZEN (Czech) *
TXDS: orl-rat LD50:347 mg/kg 28ZPAK -,119,72
scu-rat LD50:450 mg/kg ZEKBAI 81,285,74
scu-rat TDLo:1700 mg/kg/45WI TFX:CAR ZEKBAI 81,285,74

XY13000. TRIAZENE, 3,3-DIMETHYL-1-m-METHYLPHENYL-
MW: 163.25 MOLFM: N3-C9-H13
TXDS: orl-rat LD50:300 mg/kg ZEKBAI 81,285,74
scu-rat LD50:500 mg/kg ZEKBAI 81,285,74
scu-rat TDLo:1929 mg/kg/64WI TFX:CAR ZEKBAI 81,285,74

XY13500. TRIAZENE, 3,3-DIMETHYL-1-o-METHYLPHENYL-
MW: 163.25 MOLFM: N3-C9-H13
TXDS: orl-rat LD50:350 mg/kg ZEKBAI 81,285,74
scu-rat LD50:500 mg/kg ZEKBAI 81,285,74
scu-rat TDLo:1620 mg/kg/38WI TFX:CAR ZEKBAI 81,285,74

XY14500. TRIAZENE, 3,3-DIMETHYL-1-p-NITROPHENYL-
MW: 194.22 MOLFM: N4-O2-C8-H10
TXDS: scu-rat LD50:350 mg/kg ZEKBAI 81,285,74
scu-rat TDLo:3600 mg/kg/72WI TFX:NEO ZEKBAI 81,285,74

XY21000. TRIAZENE, 3,3-DIMETHYL-1-PHENYL-
CAS: 007227910 MW: 149.22 MOLFM: N3-C8-H11
WLN: 1N1&NUNR
SYN: 3,3-DIMETHYL-1-PHENYLTRIAZENE * 1-FENYL-3,3-DIMETHYLTRIAZIN * 1-PHENYL-3,3-DIMETHYLTRIAZENE *
TXDS: orl-rat LD50:430 mg/kg 28ZPAK -,76,72
orl-rat TDLo:2000 mg/kg/47WI TFX:CAR PCTXAV 6,579,68
ipr-rat LD50:180 mg/kg CPCHAO 18,307,62
ipr-rat TDLo:30 mg/kg/(11 D preg) TFX:TER CPCHAO 18,307,62

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          scu-rat TDLo:75 mg/kg/(23D Preg) TFX:TER                XENO** 3,271,73
          scu-rat LD50:150 mg/kg                                  TCIA** -,45,73
          scu-rat TDLo:1200 mg/kg/47WI TFX:CAR                    FCTXAV 6,579,68
          rec-rat TDLo:1650 mg/kg/33WI TFX:CAR                    EXPEAM 23,1042,67

XY22750. TRIAZENE, 3,3-DIMETHYL-1-(m-PYRIDYL)-
                        MW: 150.21          MOLFM: N4-C7-H10
          SYN: 1-(meta-PYRIDYL)-3,3-DIMETHYL-TRIAZENE   *
          TXDS: orl-rat LD50:160 mg/kg                            ZEKBAI 81,285,74
          scu-rat LD50:130 mg/kg                                  ZEKBAI 81,285,74
          scu-rat TDLo:572 mg/kg/44WI TFX:NEO                     ZEKBAI 81,285,74
          ivn-rat TDLo:5 mg/kg/(14D Preg) TFX:TER                 EXPPAM 23,1042,67
          unk-rat TDLo:50 mg/kg/(13D Preg) TFX:TER                EXPEAM 23,1042,67

XY23000. TRIAZENE, 3,3-DIMETHYL-1-(m-PYRIDYL-N-OXIDE)-
                        MW: 167.22          MOLFM: N4-O-C7-H11
          TXDS: scu-rat LD50:200 mg/kg                            ZEKBAI 81,285,74
          ivn-rat LD50:230 mg/kg                                  ZEKBAI 81,285,74
          ivn-rat TDLo:490 mg/kg/38WI TFX:CAR                     ZEKBAI 81,285,74

XY26250. TRIAZENE, 1,3-DIPHENYL-
          CAS: 000136356      MW: 197.26          MOLFM: N3-C12-H11
          WLN: RNUNMR
          SYN: ANILINE, N-(PHENYLAZO)-   *  CELLOPOR (Czech)   *  DAAB   *  DIAZOAMINOBENZENE
               *  p-DIAZOAMINOBENZENE   *
          TXDS: skn-mus TDLo:37 gm/kg/61W TFX:CAR                 BJCAAI 2,290,48
          orl-rat LD50:224 mg/kg                                  28ZPAK -,77,72

XY27750. TRIAZENE, 3-(2-HYDROXYETHYL)-3-METHYL-1-PHENYL-
                        MW: 179.25          MOLFM: N3-O-C9-H13
          TXDS: scu-rat LD50:360 mg/kg                            ZEKBAI 81,285,74
          scu-rat TDLo:1200 mg/kg/54WI TFX:CAR                    ZEKBAI 81,285,74

XY27800. TRIAZENE, 3-HYDROXY-3-METHYL-1-PHENYL-
                        MW: 151.19          MOLFM: N3-O-C7-H9
          TXDS: scu-rat LD50:550 mg/kg                            ZEKBAI 81,285,74
          scu-rat TDLo:3300 mg/kg/I TFX:CAR                       ZEKBAI 81,285,74
          1-PHENYL-3-METHYL-3-HYDROXY-TRIAZEN (German)

XY27850. TRIAZENE, 3-METHYL-1-PHENYL-3-(2-SULFOETHYL)-, SODIUM SALT
                        MW: 265.29          MOLFM: N3-O3-S-C9-H12 .Na
          TXDS: scu-rat LD50:150 mg/kg                            ZEKBAI 81,285,74
          scu-rat TDLo:1170 mg/kg/78WI TFX:NEO                    ZEKBAI 81,285,74

XY28000. TRIAZENE, 3-MONOMETHYL-1-PHENYL-
                        MW: 135.19          MOLFM: N3-C7-H9
          SYN: 1-PHENYL-3-MONOMETHYL-TRIAZENE   *
          TXDS: scu-rat TDLo:30 mg/kg TFX:CAR                     XENO** 3,271,73
          skn-mus TDLo:140 mg/kg/8WI TFX:NEO                      CNREA8 34,1671,74
          scu-mus LDLo:45 mg/kg                                   CNREA8 34,1671,74
          scu-mus TDLo:45 mg/kg/4WI TFX:CAR                       CNREA8 34,1671,74

XY29000. TRIAZICHON (German)     see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

XZ14000. s-TRIAZINE, 2,4,6-TRICHLORO-
          CAS: 000108770      MW: 184.41          MOLFM: N3-C13-C3
          WLN: T6N CN ENJ EG DG FG
          SYN: CHLOROTRIAZINE   *  CYANURCHLORIDE   *  CYANURIC ACID CHLORIDE   *  CYANURIC
               CHLORIDE   *  CYANURIC TRICHLORIDE   *  KYANURCHLORID (Czech)   *
               TRICHLOROCYANIDINE   *  2,4,6-TRICHLORO-s-TRIAZINE   *  2,4,6-TRICHLORO-
               1,3,5-TRIAZINE   *  syn-TRICHLOTRIAZIN (Czech)   *  TRICYANOGEN CHLORIDE
                 *
          TXDS: orl-rat LD50:485 mg/kg                            GTPZAB  12,35,68
          orl-rat TDLo:22 gm/kg/73WI TFX:NEO                      VOONAW 16,51,70
          unk-rat TDLo:18 mg/kg/73W TFX:NEO                       VOONAW 16,51,70

XZ21000. s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-
          CAS: 000051183      MW: 204.27          MOLFM: N6-C9-H12
          WLN: T6N CN ENJ B- D- F-/- AT3NTJ 3
          SYN: AZIRIDINE, 1,1',1''-s-TRIAZINE-2,4,6-TRIYLTRIS-   *  ENT 25,296   *  MELAMINE,
               TRIETHYLENE-   *  PFRSISTOL   *  PERSISTOL HO 1/193   *  TAT   *  TEM   *  TET
                 *  TRETAMINE   *  1,3,5-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-   *  TRIAZIRIDINYL
               TRIAZINE   *  TRIETHANOMELAMINE   *  TRIETHYLENEMELAMINE   *  2,4,
               2,4,6-TRI(ETHYLENEIMINO)-1,3,5-TRIAZINE   *  2,4,6-TRIETHYLENEIMINO-s-TRIAZINE
                 *  2,4,6-TRIETHYLENIMINO-s-TRIAZINE   *  2,4,6-TRIETHYLENIMINO-1,3,5-
               TRIAZINE   *  2,4,6-TRIETHYLENIMO-s-TRIAZINE   *  2,4,6-TRIS(1-AZIRIDINYL)
               -s-TRIAZINE   *  2,4,6-TRIS(1'-AZIRIDINYL)-1,3,5-TRIAZINE   *  2,4,
               2,4,6-TRIS(ETHYLENIMINO)-s-TRIAZINE   *
          TXDS: orl-rat LD50:1 mg/kg                              BWHOA6  31,721,65
          ipr-rat LD50:1 mg/kg                                    JPETAB 100,398,50
          ipr-rat TDLo:500 ug/kg/(11 D preg) TFX:TER              CPCHAO 18,307,62
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            orl-mus LD50:15 mg/kg                                    JPETAB 100,398,50
            skn-mus TDLo:10 mg/kg TFX:NEO                            BJCAAI 9,177,55
            ipr-mus LD50:2800 ug/kg                                  JPETAB 100,398,50
            ipr-mus TDLo:200 ug/kg TFX:MUT                           NATUAS 219,386,68
            ipr-mus TDLo:3 mg/kg/19DI TFX:NEO                        BJPCBM 6,357,51
            scu-mus TDLo:1350 ug/kg/(7-9D preg) TFX:TER              JEEMAP 11,689,50
            orl-dog LDLo:1 mg/kg                                     JPETAB 100,398,50
            ivn-dog LDLo:400 ug/kg                                   JPETAB 100,398,50
            ivn-cat LDLo:1 mg/kg                                     JPETAB 100,398,50

XZ22750. 1,3,5-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-    see:XZ21000 s-TRIAZINE,
         2,4,6-TRIS(1-AZIRIDINYL)-

XZ30500. TRIAZIQUONE    see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

XZ31500. TRI(1-AZIRIDINYL)PHOSPHINE OXIDE    see:SZ17500 PHOSPHINE OXIDE, TRIS(1-AZIRIDINYL)-

XZ33250. TRIAZIRIDINYL TRIAZINE    see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

XZ35000. TRIAZIRIDINYLPHOSPHINE SULFIDE    see:SZ29750 PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)

XZ38500. s-TRIAZOLE, 3-AMINO-
          CAS: 000061825     MW: 84.10          MOLFM: N4-C2-H4
          WLN: T5MN DNJ CZ
          SYN: AMINOTRIAZOLE  *  3-AMINOTRIAZOLE  *  3-AMINO-s-TRIAZOLE  *  3-AMINO-
               1,2,4-TRIAZOLE  *  2-AMINO-1,3,4-TRIAZOLE  *  3-AMINO-1H-1,2,4-TRIAZOLE
                  *  AMITOL  *  AMITROL  *  AMITROL 90  *  AMITROLE  *  AMIZOL  *  AT
                  *  3,A-T  *  ATA  *  CAMPAPRIM A 1544  *  CYTROL  *  CYTROLE  *  ENT
               25445  *  WEEDAZOL  *
          TXDS: orl-rat LD50:1100 mg/kg                              RREVAH 10,97,65
                orl-rat TDLo:4730 mg/kg TFX:CAR                      TXAPA9 26,118,73
                orl-mus TDLo:113 gm/kg/3WI TFX:CAR                   JNCIAM 42,110,69
                ipr-mus LDLo:200 mg/kg                               NTIS** AD277-689

XZ64750. TRIBENZO(a,e,i)PYRENE    see:HP56000 DIBENZO(h,rst)PENTAPHENE

XZ66500. (1,2,4,5,7,8)-TRIBENZOPYRENE    see:HP56000 DIBENZO(h,rst)PENTAPHENE

XZ68250. (1,2,4,5,8,9)-TRIBENZOPYRENE    see:HP56000 DIBENZO(h,rst)PENTAPHENE

XZ69000. o-TOLUENE-1-AZO-2-NAPHTHYLAMINE    see:QM50000 2-NAPHTHYLAMINE, 1-(o-TOLYLAZO)-

XZ70000. 1,2:4,5:8,9-TRIBENZOPYRENE    see:HP56000 DIBENZO(h,rst)PENTAPHENE

XZ82250. 1,3,7-TRIBROMO-2-FLUORENAMINE    see:LL56500 FLUOREN-2-AMINE, 1,3,7-TRIBROMO-

YA33250. TRIBUTYRIN    see:ET73500 BUTYRIN, TRI-

YA35000. TRIBUTYROIN    see:ET73500 BUTYRON, TRI-

YA35950. TRICALCIUM ARSENATE    see:CG08300 ARSENIC ACID, CALCIUM SALT(2:3)

YA44800. TRICHAZOL    see:NI56000 IMIDAZOLE-1-ETHANOL, 2-METHYL-5-NITRO-

YA44880. 1,1,1-TRICHLOOR-2,2-BIS(4-CHLOOR FENYL)-ETHAAN (Dutch)    see:KJ33250 ETHANE, 1,1,1-
         TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

YA45150. TRICHLOORMETHAAN (Dutch)    see:FS91000 CHLOROFORM

YA46100. 10-TRICHLORACETYL-1,2-BENZANTHRACENE    see:CX51000 BENZ(a)ANTHRACEN-7-YL TRICHLOROMETHYL
         KETONE

YA48000. 1,1,1-TRICHLOR-2,2-BIS(4-CHLOR-PHENYL)-AETHAN (German)    see:KJ33250 ETHANE, 1,1,1-
         TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

YA56600. TRICHLORMETHAN (Czech)    see:FS91000 CHLOROFORM

YA63000. TRICHLOROACETALDEHYDE MONOHYDRATE    see:FM87500 CHLORAL HYDRATE

YB03500. 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)ETHANE    see:KJ33250
         ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

YB03750. TRICHLOROBIS(4-CHLOROPHENYL)ETHANE    see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-
         CHLOROPHENYL)-

YB04000. 1,1,1-TRICLORO-2,2-BIS(4-CLORO-FENIL)-ETANO (Italian)    see:KJ33250 ETHANE, 1,1,1-TRICHLORO-
         2,2-BIS(p-CHLOROPHENYL)-

YB15750. TRICHLOROCYANIDINE    see:XZ14000 s-TRIAZINE, 2,4,6-TRICHLORO-
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YB18200. 1,1,1-TRICHLORO-2,2-DI(4-CHLOROPHENYL)-ETHANE see:KJ33250 ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

YB29750. 2,2,2-TRICHLORO-1,1-ETHANEDIOL see:FM87500 CHLORAL HYDRATE

YB42000. TRICHLOROETHYL CARBAMATE see:FD17500 CARBAMIC ACID, 2,2,2-TRICHLOROETHYL ESTER

YB59500. TRICHLOROFORM see:FS91000 CHLOROFORM

YB73500. TRICHLOROMETHANE see:FS91000 CHLOROFORM

YB75250. TRICHLOROMETHANETHIOL see:PB52500 METHANETHIOL, TRICHLORO-

YC68250. 2,4,6-TRICHLORO-s-TRIAZINE see:XZ14000 s-TRIAZINE, 2,4,6-TRICHLORO-

YC70000. 2,4,6-TRICHLORO-1,3,5-TRIAZINE see:XZ14000 s-TRIAZINE, 2,4,6-TRICHLORO-

YC86700. syn-TRICHLOTRIAZIN (Czech) see:XZ14000 s-TRIAZINE, 2,4,6-TRICHLORO-

YD06300. TRICLOROMETANO (Italian) see:FS91000 CHLOROFORM

YD17500. TRICYANOGEN CHLORIDE see:XZ14000 s-TRIAZINE, 2,4,6-TRICHLORO-

YD28000. TRICYCLOQUINAZOLINE
CAS: 000195846 MW: 320.37 MOLFM: N4-C21-F12
TXDS: scu-rat TDLo:1600 mg/kg/16W TFX:CAR BJCAAI 13,94,59
skn-mus TDLo:960 mg/kg/52WI TFX:CAR BJCAAI 16,275,62

YD29250. TRICYCLOQUINAZOLINE, 2-FLUORO-
MW: 338.36 MOLFM: N4-F-C21-H11
SYN: 2-FLUOROTRICYCLOQUINAZOLINE *
TXDS: skn-mus TDLo:48 mg/kg TFX:NEO BECCAN 41,420,63

YD29750. TRICYCLOQUINAZOLINE, 3-FLUORO-
MW: 338.36 MOLFM: N4-F-C21-H11
SYN: 3-FLUORO-TRICYCLOQUINAZOLINE *
TXDS: skn-mus TDLo:920 mg/kg/52W TFX:CAR BJCAAI 16,275,62

YD57750. TRIDESTRIN see:KG82250 ESTRIOL

YD78000. 1,2,4,5,9,10-TRIEPOXYDECANE see:HD90000 DECANE, 1,2:4,5:9,10-TRIEPOXY-

YD84000. TRIETHANOMELAMINE see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

YE54250. TRIETHYLENE GLYCOL DIGLYCIDYL ETHER see:XF07000 4,7,10,13-TETRAOXAHEXADECANE, 1,2:15,16-DIEPOXY-

YE57000. 2,3,5-TRIETHYLENEIMINO-1,4-BENZOQUINONE see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

YE57750. 2,4,6-TRIETHYLENEIMINO-s-TRIAZINE see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

YE59500. 2,4-TRI(ETHYLENEIMINO)-1,3,5-TRIAZINE see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

YE61250. TRIETHYLENEMELAMINE see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

YE64750. N,N',N"-TRIETHYLENEPHOSPHORAMIDE see:SZ17500 PHOSPHINE OXIDE, TRIS(1-AZIRIDINYL)-

YE68250. N,N',N"-TRIETHYLENETHIOPHOSPHAMIDE see:SZ29750 PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)

YE70000. N,N',N"-TRIETHYLENETHIOPHOSPHORAMIDE see:SZ29750 PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)

YE71750. TRIETHYLENETHIOPHOSPHOROTRIAMIDE see:SZ29750 PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)

YE72500. TRIETHYLENIMINOBENZOQUINONE see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

YE73500. 2,4,6-TRIETHYLENIMINO-s-TRIAZINE see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

YE75250. 2,4,6-TRIETHYLENIMINO-1,3,5-TRIAZINE see:XZ21000 s-TRIAZINE 2,4,6-TRIS(1-AZIRIDINYL)-

YE77000. 2,4,6-TRIETHYLENIMO-s-TRIAZINE see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

YF04000. 2-TRIFLUOROACETYLAMINOFLUORENE see:AC10500 ACETAMIDE, N-FLUOREN-2-YL-2,2,2-TRIFLUORO-

YF05250. 2-TRIFLUOROACETYLAMINOFLUOREN-9-ONE see:AD01750 ACETAMIDE, 2,2,2-TRIFLUORO-N-(9-OXO-FLUOREN-2-YL)-

YF12250. 2',4',6'-TRIFLUORO-4-DIMETHYLAMINOAZOBENZENE see:BX85750 ANILINE, N,N-DIMETHYL-p-(2,4,6-TRIFLUOROPHENYLAZO)-

YF17000. 2,2,2-TRIFLUORO-N-(FLUOREN-2-YL)ACETAMIDE see:AC10500 ACETAMIDE, N-FLUOREN-2-YL-2,2,2-TRIFLUORO-

YF28900. 2,2,2-TRIFLUORO-N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)ACETAMIDE see:AC67000 ACETAMIDE, N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)-2,2,2-TRIFLUORO-

YF35000. 2,2,2-TRIFLUORO-N-(9-OXOFLUOREN-2-YL)ACETAMIDE see:AD01750 ACETAMIDE, 2,2,2-TRIFLUORO-N-(9-OXOFLUOREN-2-YL)-

YF70000. TRIGOSAN see:OV64750 MERCURY, (ACETATO)PHENYL-

YF73500. TRIHERBICIDE CIPC see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

YF82250. 1,8,9-TRIHYDROXYANTHRACENE see:CB12250 1,8,9-ANTHRACENETRIOL

YG01750. 3,16-alpha,17-beta-TRIHYDROXYESTRA-1,3,5(10)-TRIENE see:KG82250 ESTRIOL

YG02500. 3,16-alpha,17-beta-TRIHYDROXY-DELTA-1,3,5-ESTRATRIENE see:KG82250 ESTRIOL

YG03500. TRIHYDROXYESTRIN see:KG82250 ESTRIOL

YG07200. 3,16-alpha,17-beta-TRIHYDROXY-DELTA-1,3,5-OESTRATRIENE see:KG82250 ESTRIOL

YG36750. TRILEAD PHOSPHATE see:OG36750 LEAD(II) PHOSPHATE (3:2)

YG52500. TRIMANGOL 80 see:OP07000 MANGANESE, (ETHYLENEBIS(DITHIOCARBAMATO))-

YH14000. 2',4',6'-TRIMETHYLACETANILIDE see:AE82250 ACETANILIDE, 2',4',6'-TRIMETHYL-

YH43000. 1,3,10-TRIMETHYL-5,6-BENZACRIDINE (French) see:CU39175 BENZ(a)ACRIDINE, 8,10,12-TRIMETHYL-

YH46000. 1,3,10-TRIMETHYL-7,8-BENZACRIDINE (French) see:CU39150 BENZ(c)ACRIDINE, 7,9,11-TRIMETHYL-

YH48000. 1,4,10 TRIMETHYL,7:8 BENZACRIDINE (French) see:CU39000 BENZ(c)ACRIDINE, 7,8,11-TRIMETHYL-

YH48800. 1,6,10 TRIMETHYL,7:8 BENZACRIDINE (French) see:CU38900 BENZ(c)ACRIDINE, 5,7,11-TRIMETHYL-

YH49100. 1,10,3'-TRIMETHYL-5,6-BENZACRIDINE (French) see:CU38800 BENZ(a)ACRIDINE, 3,8,12-TRIMETHYL-

YH49600. 2,3,10 TRIMETHYL,5:6 BENZACRIDINE (French) see:CU38700 BENZ(a)ACRIDINE, 9,10,12-TRIMETHYL-

YH50600. 2,3,10 TRIMETHYL,7:8 BENZACRIDINE (French) see:CU39100 BENZ(c)ACRIDINE, 7,9,10-TRIMETHYL-

YH51200. 3,5,9-TRIMETHYL-1:2-BENZACRIDINE see:CU38900 BENZ(c)ACRIDINE, 5,7,11-TRIMETHYL-

YH52000. 5,6,9-TRIMETHYL-1:2-BENZACRIDINE see:CU39000 BENZ(c)ACRIDINE, 7,8,11-TRIMETHYL-

YH52800. 5,7,8-TRIMETHYL-1:2-BENZACRIDINE see:CU39100 BENZ(c)ACRIDINE, 7,9,10-TRIMETHYL-

YH53400. 5,7,8-TRIMETHYL-3:4-BENZACRIDINE see:CU38700 BENZ(a)ACRIDINE, 9,10,12-TRIMETHYL-

YH54250. 4,5,10-TRIMETHYLBENZ(a)ANTHRACENE see:CX36750 BENZ(a)ANTHRACENE, 4,5,10-TRIMETHYL-

YH56000. 4,7,12-TRIMETHYLBENZ(a)ANTHRACENE see:CX38500 BENZ(a)ANTHRACENE, 4,7,12-TRIMETHYL-

YH57750. 6,7,8-TRIMETHYLBENZ(a)ANTHRACENE see:CX40250 BENZ(a)ANTHRACENE, 6,7,8-TRIMETHYL-

YH59500. 6,7,12-TRIMETHYLBENZ(a)ANTHRACENE see:CX42000 BENZ(a)ANTHRACENE, 6,7,12-TRIMETHYL-

YH61250. 6,8,12-TRIMETHYLBENZ(a)ANTHRACENE see:CX43750 BENZ(a)ANTHRACENE, 6,8,12-TRIMETHYL-

YH63000. 7,10,12-TRIMETHYLBENZ(a)ANTHRACENE see:CX49000 BENZ(a)ANTHRACENE, 7,10,12-TRIMETHYL-

YH64750. 4,9,10-TRIMETHYL-1,2-BENZANTHRACENE see:CX42000 BENZ(a)ANTHRACENE, 6,7,12-TRIMETHYL-

YH65500. 5:9:10-TRIMETHYL-1:2-BENZANTHRACENE see:CX45500 BENZ(a)ANTHRACENE, 7,8,12-TRIMETHYL

YH66500. 6,9,10-TRIMETHYL-1,2-BENZANTHRACENE see:CX47250 BENZ(a)ANTHRACENE, 7,9,12-TRIMETHYL-

YH75250. 1,3,6-TRIMETHYLBENZO(a)PYRENE see:DJ80500 BENZO(a)PYRENE, 1,3,6-TRIMETHYL-

YI08750. 3',3',9-TRIMETHYLCYCLOPENTENOPHENATHRENE
MW: 260.40 MOLFM: C20-H20
WLN: L E5 B666T6&&J F F N
TXDS: skn-mus TDLo:80 mg/kg/WI TFX:NEO ARGEAR 6,1,53

YI40250. TRIMETHYLENE OXIDE see:RQ68250 OXETANE

YI61250. N,N,2-TRIMETHYL-4-(4'-(3'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE see:TJ63000 3-PICOLINE, 4-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)-, 1-OXIDE

YI63000. N,N,3-TRIMETHYL-4-(4'-(3'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE see:TJ64750 3-PICOLINE, 4-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-, 1-OXIDE

YI64750. 1,1,3-TRIMETHYL-3-NITROSOUREA see:YU47250 UREA, 1,1,3-TRIMETHYL-3-NITROSO-

YJ10500. N,N,3'-TRIMETHYL-4-STILBENAMINE see:WJ47250 4-STILBENAMINE, N,N,3'-TRIMETHYL-

YJ12250. N,N,4'-TRIMETHYL-4-STILBENAMINE see:WJ49000 4-STILBENAMINE, N,N,4'-TRIMETHYL-

YJ19250. 3,8,13-TRIMETHYLTRICYCLOQUINAZOLINE
MW: 362.46 MOLFM: N4-C24-H18
TXDS: skn-mus TDLo:440 mg/kg/YI TFX:NEO BJCAAI 16,275,62

YJ21400. 2,4,6-TRIMETHYL-1,3,5-TRIOXAAN (Dutch) see:YK05250 s-TRIOXANE, 2,4,6-TRIMETHYL-

YJ21800. 2,4,6-TRIMETHYL-s-TRIOXANE see:YK05250 s-TRIOXANE, 2,4,6-TRIMETHYL-

YJ22750. 2,4,6-TRIMETHYL-1,3,5-TRIOXANE see:YK05250 s-TRIOXANE, 2,4,6-TRIMETHYL-

YJ24500. s-TRIMETHYLTRIOXYMETHYLENE see:YK05250 s-TRIOXANE, 2,4,6-TRIMETHYL-

YJ32800. 2,4,6-TRIMETIL-1,3,5-TRIOSSANO (Italian) see:YK05250 s-TRIOXANE, 2,4,6-TRIMETHYL-

YJ52500. 2,4,7-TRINITROFLUOREN-9-ONE see:LL91000 FLUOREN-9-ONE, 2,4,7-TRINITRO-

YJ87500. TRIONAL see:EJ52500 BUTANE, 2,2-BIS(ETHYLSULFONYL)-

YK05250. s-TRIOXANE, 2,4,6-TRIMETHYL-
CAS: 000123637 MW: 132.18 MOLFM: O3-C6-H12
WLN: T6O CO EOTJ B D F
SYN: ACETALDEHYDE, TRIMER * PARAACETALDEHYDE * PARACETALDEHYDE * PARAL * PARALDEHYD (German) * PARALDEHYDE * PARALDEIDE (Italian) * PCHO * TRIACETALDEHYDE (French) * 2,4,6-TRIMETHYL-1,3,5-TRIOXAAN (Dutch) * 2,4,6-TRIMETHYL-s-TRIOXANE * 2,4,6-TRIMETHYL-1,3,5-TRIOXANE * s-TRIMETHYLTRIOXYMETHYLENE * 2,4,6-TRIMETIL-1,3,5-TRIOSSANO (Italian) *
TXDS: orl-hmn TDLo:14 mg/kg TFX:PSY 12VXA5 8,783,68
ivn-hmn TDLo:14 mg/kg TFX:PSY 12VXA5 8,783,68
ims-hmn TDLo:71 mg/kg TFX:PSY 12VXA5 8,783,68
rec-hmn TDLo:14 mg/kg TFX:PSY 12VXA5 8,783,68
skn-mus TDLo:12 gm/kg/W TFX:NEO BJCAAI 9,177,55
orl-dog LD50:3500 mg/kg 12VXA5 8,783,68

YK26250. TRIPHENATOL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

YK26500. alpha,beta,beta-TRIPHENYLACRYLONITRILE see:AT71000 ACRYLONITRILE, 2,3,3-TRIPHENYL-

YK26750. 2,3,3-TRIPHENYLACRYLONITRILE see:AT71000 ACRYLONITRILE, 2,3,3-TRIPHENYL-

YK27000. TRIPHENYLBENZENE see:WZ65300 m-TERPHENYL, 5'-PHENYL-

YK27500. 1,3,5-TPIPHENYLBENZENE see:WZ65300 m-TERPHENYL, 5'-PHENYL-

YK78750. TRIS(p-AMINOPHENYL)CARBONIUM PAMOATE see:YK80500 TRIS(p-AMINOPHENYL)METHYLIUM SALT with 4,4'-METHYLENEBIS(3-HYDROXY-2-NAPHTHOIC ACID) (2:1)

YK80500. TRIS(p-AMINOPHENYL)METHYLIUM SALT with 4,4'-METHYLENEBIS(3-HYDROXY-2-NAPHTHOIC ACID) (2:1)
MW: 471.48 MOLFM: N3-C19-H8 .1/2O6-C23-H14
SYN: TRIS(p-AMINOPHENYL)CARBONIUM PAMOATE *
TXDS: orl-rat TDLo:110 mg/kg/78WC TFX:CAR CNREA8 25,1919,65

YK86300. TRIS(AZIRIDINYL)-p-BENZOQUINONE see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

YK87000. TRIS(1-AZIRIDINYL)-p-BENZOQUINONE see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

YK87250. 2,3,5-TRIS(AZIRIDINYL)-1,4-BENZOQUINONE see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

YK87500. TRIS(1-AZIRIDINYL)PHOSPHINE OXIDE see:SZ17500 PHOSPHINE OXIDE, TRIS(1-AZIRIDINYL)-

YK89250. TRIS(1-AZIRIDINYL)PHOSPHINE SULFIDE see:SZ29750 PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)

YK91000. 2,4,6-TRIS(1-AZIRIDINYL)-s-TRIAZINE see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

YK92750. 2,4,6-TRIS(1'-AZIRIDINYL)-1,3,5-TRIAZINE see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

YL17500. 2,4,6-TRIS(ETHYLENIMINO)-s-TRIAZINE see:XZ21000 s-TRIAZINE, 2,4,6-TRIS(1-AZIRIDINYL)-

YL20730. 2,3,5-TRIS(ETHYLENIMINO)BENZOQUINONE see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

YL20760. 2,3,5-TRIS(ETHYLENIMINO)-p-BENZOQUINONE see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

YL20780. 2,3,5-TRIS(ETHYLENIMINO)-1,4-BENZOQUINONE see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

YL20800. TRISETHYLENEIMINOQUINONE see:DK71750 p-BENZOQUINONE, 2,3,5-TRIS(1-AZIRIDINYL)-

YL36800. TRIS(p-METHOXYPHENY)CHLOROETHYLENE see:KV06000 ETHYLENE, CHLOROTRIS(p-METHOXYPHENYL)-

YL38500. TRIS(2-METHYL-1-AZIRIDINYL)PHOSPHINE OXIDE see:SZ19250 PHOSPHINE OXIDE,TRIS[1-(2-METHYL)AZIRIDINYL]-

YL40250. N,N',N''-TRIS(1-METHYLETHYLENE)PHOSPHORAMIDE see:SZ19250 PHOSPHINE OXIDE, TRIS(1-(2-METHYL)AZIRIDINYL)-

YL56850. TRISODIUM SALT of 1-(4-SULFO-1-NAPHTHYLAZO)-2-NAPHTHOL-3,6-DISULFONIC ACID see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

YL64750. TRISPROPIONAMIDE, 3,3',3"-NITRILO-
CAS: 002664161 MW: 230.31 MOLFM: N4-O3-C9-H18
WLN: ZV2 3N
SYN: 3,3',3"-NITRILOTRISPROPIONAMIDE *
TXDS: orl-rat TDLo:31 gm/kg/YI TFX:NEO JNCIAM 41,985,68

YL70000. TRISTEARIN see:WI49000 STEARIN, TRI-

YM01750. TRITISAN see:DA66500 BENZENE, PENTACHLORONITRO-

YM26600. TROPAEOLIN OOO NO. 1 see:DB70850 BENZENESULFONIC ACID, p-((4-HYDROXY-1-NAPHTHYL)AZO)-, SODIUM SALT

YN29750. TROVIDUF see:KU96250 ETHYLENE, CHLORO-

YN40250. TRYPAFLAVINE
CAS: MX8048520
WLN: T C666 BKJ B EZ MZ & # &T C666 BNJ EZ MZ # &GH # &G #
TXDS: scu-rat TDLo:160 mg/kg TFX:CAR SEMEAS 100,778,52

YN41000. TRYPANBLAU (German) see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)-BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

YN42000. TRYPAN BLUE see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

YN43750. TRYPAN BLUE BPC see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

YN45500. TRYPANE BLUE see:QJ64750 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((3,3'-DIMETHYL-4,4'-BIPHENYLYLENE)BIS(AZO))BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

YN91000. TSPA see:SZ29750 PHOSPHINE SULFIDE,TRIS(1-AZIRIDINYL)

YO06000. TU see:YR15750 URACIL, 2-THIO-

YO06500. 2-TU see:YR15750 URACIL, 2-THIO-

YO28000. TUBATOXIN see:DJ28000 (1)BENZOPYRANO(3,4-b)FURO(2,3-h)(1)BENZOPYRAN-6(6a-alpha-H)-ONE, 1,2,12,12a-alpha-= TETRAHYDRO-2-alpha-ISOPROPENYL-8,9-DIMETHOXY-

YO29750. TUBAZID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

YO33250. TUBAZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

YO33650. TUBECO see:NS17500 ISONICOTINIC ACID HYDRAZIDE

YO34000. TUBERCID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

YO34400. TUBERIAN see:NS17500 ISONICOTINIC ACID HYDRAZIDE

YO35000. TUBFRIT see:PL91000 CARBANILIC ACID, ISOPROPYL ESTER

YO36750. TUBICON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

YO56000. TUBOMEL see:NS17500 ISONICOTINIC ACID HYDRAZIDE PENTAHYDRATE, (+)-

YO63000. TOLABASE FAST GARNET GB see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

YO64750. TOLABASE FAST GARNET GBC see:XU88000 o-TOLUIDINE, 4-(o-TOLYLAZO)-

YO70000. TUMEX see:VC42000 8-QUINOLINOL

YO85750. TURPENTINE with BENZ(a)ANTHRACENE, 7,12-DIMETHYL-
TXDS: skn-mus TDLo:240 gm/kg/20WI TFX:NEO CNREA8 19,413,59

YP11800. TYPOGEN CARMINE see:QM28500 2-NAPHTHYLAMINE, N-ETHYL-1-((p-(PHENYLAZO)PHENYL)AZO)-

YP31500. TYVID see:NS17500 ISONICOTINIC ACID HYDRAZIDE

YP37600. U-1434 see:ES70000 BUTYRIC ACID, 2-AMINO-4-(ETHYLTHIO)-, DL-

YP46640. U-6421 see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

YP47250. U-8344 see:YQ89250 URACIL, 5-(BIS(2-CHLOROETHYL)AMINO)-

YP49700. U-8953 see:YR03500 URACIL,5-FLUORO

YP50100. U-9889 see:LZ57750 GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-, D-

YP78750. UDMH see:MV24500 HYDRAZINE,1,1-DIMETHYL-

YQ06000. ULTRON see:KV03500 ETHYLENE, CHLORO- POLYMER

YQ38900. UNDEN see:KG85750 ESTRONE

YQ45000. UNICOCYDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

YQ45500. UNICOZYDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

YQ49000. UNIDOCAN see:PG05250 11-DEOXYCORTICOSTERONE, ACETATE

YQ54250. UNION CARBIDE 7,744 see:FC59500 CARBAMIC ACID, METHYL-, 1-NAPHTHYL ESTER

YQ64000. UNISTRADIOL see:KG40500 ESTRADIOL, 3-BENZOATE

YQ79200. UNITERTRACID GREEN BS see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

YQ84000. UNOXAT EPOXIDE 269 see:OS91000 p-MENTHANE, 1,2:8,9-DIEPOXY-

YQ84500. UNOX EPOXIDE 201 see:RN77000 7-OXABICYCLO(4.1.0)HEPTANE-3-CARBOXILIC ACID, 4-METHYL-, (4-METHYL-7-OXABICYCLO(4.1.0) HEPT-3-YL)METHYL ESTER

YQ89250. URACIL, 5-(BIS(2-CHLOROETHYL)AMINO)-
CAS: 000066751 MW: 252.12 MOLFM: N3-O2-C12-C8-H11
WLN: T6MVMVJ EN2G2G
SYN: AMINOURACIL MUSTARD * 5-(BIS(2-CHLOROETHYL)AMINO)URACIL * 5-N,N-BIS(2-CHLOROETHYL)AMINOURACIL * DEMETHYLDOPAN * DESMETHYLDOPAN * 5-(DI-(beta-CHLOROETHYL)AMINO)URACIL * 2,6-DIHYDROXY-5-BIS(2-CHLOROETHY 2,6-DIHYDROXY-5-BIS(2-CHLOROETHYL)AMINOPYRIMIDINE * ENT 50439 * NSC-34462 * U-8344 * URACIL MUSTARD * URAMUSTINE *
TXDS: orl-rat LD50:7500 ug/kg 12VXA5 8,1093,68
ipr-rat LD50:3700 ug/kg 12VXA5 8,1093,68
par-rat TDLo:300 ug/kg/(11 or 12D preg) TFX:TER ADTER* 3,181,273
ipr-mus LDLo:3 mg/kg TXAPA9 23,288,72
ipr-mus TDLo:240 ug/kg/4W TFX:CAR JNCIAM 36,915,66

YR03500. URACIL,5-FLUORO
CAS: 000051218 MW: 130.09 MOLFM: N2-O2-F-C4-H3
WLN: T6MVMVJ EF
SYN: 5-FLUOROPYRIMIDINE-2,4-DIONE * FLUOROURACIL * 5-FLUOROURACIL * FU * 5-FU * NSC-19893 * RO 2-9757 * U-8953 *
TXDS: ipr-rat LD50:230 mg/kg CPCHAO 18,307,62
ipr-rat TDLo:12 mg/kg/(11 D preg) TFX:TER CPCHAO 18,307,62
ivn-rat TDLo:17 mg/kg/YI TFX:NEO OIBP** 3,5,70
ipr-mus LD50:188 mg/kg CNCRA6 6,109,60

YR06000. URACIL, 5-IODO-2-THIO-, SODIUM SALT
CAS: 003565159 MW: 277.04 MOLFM: N2-O-S-I-C4-H3 .Na
WLN: T6MYMVJ BUS EI &-NA-
SYN: 5-IODO-2-THIOURACIL, SODIUM SALT * ITRUMIL SODIUM * ITRUMIL SODIUM SALT * SODIUM 5-IODO-2-THIOURACIL *
TXDS: orl-rat TDLo:33 gm/kg/44WC TFX:NEO CANCAR 10,690,57

YR07000. URACIL, 6-METHYL-
CAS: 000626482 MW: 126.13 MOLFM: N2-O2-C5-H6
WLN: T6MVMVJ F

SYN: 6-METHYLURACIL *
TXDS: orl-rat TDLo:3000 mg/kg/48WC TFX:CAR VOONAW 8,49,62

YR08750. URACIL, 6-METHYL-2-THIO-
CAS: 000056042 MW: 142.19 MOLFM: N2-O-S-C5-H6
WLN: T6MYMVJ BUS F
SYN: ALKIRON * ANTIBASON * BASECIL * BASETHYRIN * 2-MERCAPTO-6-METHYLPYRIMID-4-ONE * METACIL * METHIACIL * METHICIL * METHIOCIL * METHYLTHIOURACIL * 6-METHYL-2-THIO-2,4-(1H3H)-PYRIMIDINEDIONE * 4-METHYL-2-THIOURACIL * 6-METHYL-2-THIOURACIL * MTU * MURACIL * PROSTHUMYL * STRUMACIL * THIMECIL * 6-THIO-4-METHYLURACIL * THYREOSTAT * THYREOSTAT I *
TXDS: orl-rat TDLo:9100 mg/kg/2YC TFX:CAR CNREA8 19,870,59
ipr-mus LD50: 200 mg/kg CURL** -,91,62
orl-rat TDLo:1250 ug/kg/(preg) TFX:TER JCENA4 7,47,47
orl-rbt LDLo:2500 mg/kg 12VXA5 8,693,68
orl-rbt TDLo:50 mg/kg/(preg) TFX:TER OSDIAF 8,128,59
unk-mam TDLo:300 mg/kg/(preg) TFX:TER DBDHP* -,161,63

YR12250. URACIL MUSTARD see:YQ89250 URACIL, 5-(BIS(2-CHLOROETHYL)AMINO)-

YR14000. URACIL, 6-PROPYL-2-THIO-
CAS: 000051525 MW: 170.25 MOLFM: N2-O-S-C7-H10
WLN: T6MYMVJ BUS P3
SYN: 2-MERCAPTO-4-HYDROXY-6-n-PROPYLPYRIMIDINE * PROCASIL * PROPACIL * PROPYCIL * 6-n-PROPYL-2-THIO-2,4(1H,3H)PYRIMIDINEDIONE * PROPYLTHIOURACIL * 6-n-PROPYL-2-THIOURACIL * 6-PROPYL-2-THIOURACIL * PROPYL-THYRACIL * PROPYTHIOURACIL * PROTHYRAN * 2-THIO-4-OXO-6-PROPYL-1,3-PYRIMIDINE * 2-THIO-6-PROPYL-1,2-PYRIMIDIN-4-ONE * THYREOSTAT II *
TXDS: orl-rat TDLo:99 gm/kg/26WC TFX:CAR BUCABS 50,389,63
orl-mus TDLo:1137 gm/kg/74WC TFX:NEO PSEBAA 112,365,63
orl-gpg TDLo:37 gm/kg/24MC TFX:NEO GROWAH 27,305,63
orl-ham TDLo:828 gm/kg/87WC TFX:CAR CAWRA4 21,952,68

YR15750. URACIL, 2-THIO-
CAS: 000141902 MW: 128.16 MOLFM: N2-O-S-C4-H4
WLN: T6MYMVJ BUS
SYN: DERACIL * 6-HYDROXY-2-MERCAPTOPYRIMIDINE * 2-MERCAPTO-4-HYDROXYPYRIMIDINE * 4-PYRIMIDINOL, 2-MERCAPTO- * THIOURACIL * 2-THIOURACIL * TU * 2-TU *
TXDS: orl-mus TDLo:190 gm/kg/74WC TFX:CAR PSEBAA 113,493,63
orl-rbt LDLo:3700 mg/kg 12VXA5 8,1046,68

YR18400. URADAL see:YS29750 UREA, (2-BROMO-ETHYLBUTYRYL)-

YR21000. URAMUSTINE see:YQ89250 URACIL, 5-(BIS(2-CHLOROETHYL)AMINO)-

YR22750. URANIN see:LM54250 FLUORESCEIN, DISODIUM SALT

YR24500. URANINE see:LM54250 FLUORESCEIN, DISODIUM SALT

YR26250. URANINE O see:LM54250 FLUORESCEIN, DISODIUM SALT

YR28000. URANINE A EXTRA see:LM54250 FLUORESCEIN, DISODIUM SALT

YR29750. URANINE SS see:LM54250 FLUORESCEIN, DISODIUM SALT

YR31500. URANINE USP XII see:LM54250 FLUORESCEIN, DISODIUM SALT

YR33250. URANINE WSS see:LM54250 FLUORESCEIN, DISODIUM SALT

YR68250. UREA, N'-ACETYL ETHYLNITROSO-
MW: 159.17 MOLFM: N3-O3-C5-H9
WLN: ONN2&VMV1
SYN: N'-ACETYL ETHYLNITROSOUREA *
TXDS: orl-rat LD50:550 mg/kg TCIS** -,-,72
orl-rat TDLo:520 mg/kg/52WI TFX:CAR TCIS** -,-,72

YR70000. UREA, 3-ACETYL-1-METHYL-1-NITROSO-
MW: 145.14 MOLFM: N3-O3-C4-H7
WLN: ONN1&VMV1
SYN: N-METHYL-N-NITROSO-N'-ACETYLUREA *
TXDS: orl-rat LD50:250 mg/kg TCIS** -,-,72
orl-rat TDLo:468 mg/kg/47WI TFX:CAR ZEKBAI 74,23,70

YR84000. UREA, AMINO- see:VT29750 SEMICARBAZIDE

YS12250. UREA, 3-BENZOYL-1-(p-PHENYLAZOPHENYL)-2-THIO-
TXDS: ipr-mus LD50: 200 mg/kg CURL** -,46,62
skn-mus TDLo:7.2 mg/kg/12WI TFX:CAR NATWAY 189,497,61

YS29750. UREA, (2-BROMO-ETHYLBUTYRYL)-
CAS: 000077656 MW: 237.13 MOLFM: N2-O2-Br-C7-H13
WLN: ZVMVYE2&2
SYN: ADALIN * ADDISOMNOL * BROMADAL * 1-BROMO-ETHYL-BUTYRYL-UREA * BROMADEL * BROMDIETHYLACETYLUREA * BROMODIETHYLACETYLCARBAMIDE * BROMODIETHYLACETYLUREA * (alpha-BROMO-alpha-ETHYLBUTYRYL)CARBAMIDE * (alpha-BROMO-alpha-ETHYLBUTYRYL)UREA * 2-BROMO-2-ETHYLBUTYRYLUREA * CARBROMAL * DIACID * PYDALIN * KABTRYL * NENESIN * NYCTAL * PIANADALIN * TILDIN * URADAL *
TXDS: orl-rat LD50:316 mg/kg NCILB* NIH-NCI-E-C-72-3252
orl-mus LD50:464 mg/kg NCILB* NIH-NCI-E-C-72-3252
skn-mus TDLo:1200 mg/kg/W TFX:NEO BJCAAI 9,177,55
orl-dog LD50:450 mg/kg 12VXA5 8,210,68
scu-dog LDLo:300 mg/kg 27ZSAM 4.7b,1292,-
orl-cat LDLo:350 mg/kg 27ZSAM 4.7b,1292,-
orl-rbt LDLo:600 mg/kg SAPHAO 28,193,13

YS38500. UREA, 1-BUTYL-1-NITROSO-
CAS: 000869012 MW: 145.19 MOLFM: N3-O2-C5-H11
WLN: ZVN4&NO
SYN: n-BUTYLNITROSOUREA * 1-BUTYL-1-NITROSOUREA * N-NITROSOBUTYLUREA *
TXDS: orl-rat LD50:400 mg/kg TCIS** -,-,72
orl-rat TDLo:2505 mg/kg TFX:CAR GANNA2 60,237,69
orl-mus TDLo:4600 mg/kg/16WI TFX:CAR GANNA2 61,287,70

YS63000. UREA, 3-(p-CHLOROPHENYL)-1,1-DIMETHYL-
CAS: 000150685 MW: 198.67 MOLFM: N2-O-Cl-C9-H11
WLN: GR DMVN1&1
SYN: CHLORFENIDIM * N-(p-CHLOROPHENYL)-N',N'-DIMETHYLUREA * N'-(4-CHLOROPHENYL)-N,N-DIMETHYLUREA * 1-(p-CHLOROPHENYL)-3,3-DIMETHYLUREA * 3-(p-CHLOROPHENYL)-1,1-DIMETHYLUREA * 3-(4-CHLOROPHENYL)-1,1-DIMETHYLUREA * 1-(4-CHLOROPHENYL)-3,3-DIMETHYLUREE (French) * 3-(4-CHLOOR-FENYL)-1,1-DIMETHYLUREUM (Dutch) * 3-(4-CHLOR-FEENYL)-1,1-DIMETHYL-HARNSTOFF (German) * CMU * 3-(4-CLORO-FENIL)-1,1-DIMETIL-UREA (Italian) * 1,1-DIMETHYL-3-(p-CHLOROPHENYL)UREA * HERBICIDES, MONURON * KARMEX MONURON HERBICIDE * KARMEX W. MONURON HERBICIDE * LIROBETAREX * MONURON * TELVAR * TELVAR MONURON WEEDKILLER * TPLVAR W. MONURON WEEDKILLER *
TXDS: orl-rat LD50:1480 mg/kg WRPCA2 9,119,70
orl-rat TDLo:58 gm/kg/18WC TFX:CAR VOONAW 16,51,70
orl-mus TDLo:1920 mg/kg/8WI TFX:CAR VOONAW 16,51,70
orl-gpg LDLo:670 mg/kg PAREAQ 14,225,62
unk-man LD50:3500 mg/kg 30ZDA9 -,231,71

YT03500. UREA, 1,3-DIMETHYL-1-NITROSO-
CAS: 013256321 MW: 117.13 MOLFM: N3-O2-C3-H7
WLN: ONW1&VM1
SYN: N,N'-DIMETHYLNITROSOUREA * 1,3-DIMETHYLNITROSOUREA *
TXDS: scu-mus TDLo:720 mg/kg/9WI TFX:CAR GANNA2 62,135,71

YT22750. UREA, (p-ETHOXYPHENYL)-
CAS: 000150696 MW: 180.14 MOLFM: N2-O2-C9-H12
WLN: ZVMR DO2
SYN: DULCIN * p-ETHOXYPHENYLUREA * 4-ETHOXYPHENYLUREA * p-PHENETOLCARBAMIDE * p-PHENETYLUREA * SUCROL * VALZIN *
TXDS: orl-rat LD50:1900 mg/kg NCIMR* NIH-71-E-2144
orl-rat TDLo:21 gm/kg/413DC TFX:CAR JAPMA8 40,583,51
orl-mus LDLo:700 mg/kg NKEZA4 11,909,64
orl-dog LDLo:1000 mg/kg 27ZSAM 4.7b,1345,-

YT24500. UREA, ETHYL-
MW: 88.13 MOLFM: N2-O-C3-H8
SYN: ETHYLUREA *
TXDS: orl-mus TDLo:249 g/kg/28W TFX:CAR JNCIAM 46,1034,71

YT25400. UREA, 1,3-ETHYLENE-2-THIO- see:NI96250 2-IMIDAZOLIDINETHIONE

YT31500. UREA, ETHYL NITROSO-
CAS: 000759739 MW: 117.13 MOLFM: N3-O2-C3-H7
WLN: ZVN2&NO
SYN: AETHYLNITROSO-HARNSTOFF (German) * ANB * ENU * ETHYLNITROSOUREA * N-ETHYL-N-NITROSO-UREA * 1-ETHYL-1-NITROSOUREA * NITROSOETHYLUREA * UREA, 1-ETHYL-1-NITROSO- *
TXDS: orl-rat LD50:300 mg/kg TCIS** -,-,72
orl-rat TDLo:10 mg/kg TFX:CAR ZEKBAI 74,141,70
scu-rat TDLo:5 mg/kg TFX:CAR ZEKBAI 74,141,70
ivn-rat LD50:240 mg/kg NATUAS 222,1064,69
ivn-rat TDLo:20 mg/kg TFX:CAR ZEKBAI 74,141,70
ivn-rat TDLo:5 mg/kg(15D preg) TFX:TER ZEKBAI 71,320,68
ipr-mus TDLo:60 mg/kg TFX:NEO PAACA3 12,56,71
ipr-mus TDLo:29 mg/kg (12-19D preg) TFX:TER ANYAA9 163,813,69
scu-mus TDLo:2200 mg/kg/9WI TFX:CAR VOONAW 15(6),53,69
par-rat TDLo:80 mg/kg/(15D preg) TFX:TER N ATUAS 210,1378,66

ivn-pig TDLo:240 mg/kg/(22-32D preg) TFX:TER ARGEAR 33,31,69

YT33250. UREA, 1-ETHYL-1-NITROSO- see:YT31500 UREA, ETHYL NITROSO-

YT36750. UREA, ETHYL-, mixed with SODIUM NITRITE (89.9%:10.1%)
TXDS: orl-mus TDLo:277 g/kg/28W TFX:CAR JNCIAM 46,1034,71

YT75250. UREA, (alpha-(2-METHYLHYDRAZINO)-p-TOLUOYL)-, MONOHYDROBROMIDE
CAS: 000366712 MW: 303.20 MOLFM: N4-O2-C10-H14 .Br-H
WLN: ZVMVR D1MM1 &EH
SYN: (alpha-(2-METHYLHYDRAZINO)-p-TOLUOYL)UREA, MONOHYDROBROMIDE *
TXDS: orl-rat TDLo:900 mg/kg30DI TFX:CAR CNREA8 28,924,68

YT78750. UREA, METHYL NITROSO-
CAS: 000684935 MW: 103.10 MOLFM: N3-O2-C2-H5
WLN: ZVN1&NO
SYN: N-METHYL-N-NITROSOUREA * 1-METHYL-1-NITROSOUREA * MNU * NITROSOMETHYLUREA * N-NITROSO-N-METHYLUREA * NMH * NMU * UREA, 1-METHYL-1-NITROSO- *
TXDS: orl-rat LD50:110 mg/kg TCIS** -,-,72
orl-rat TDLo:90 mg/kg TFX:CAR BJCAAI 23,177,67
skn-rat TDLo:202 mg/kg/30WI TFX:CAR NATUAS 214,611,67
ipr-rat LD50:110 mg/kg NATUAS 222,1064,69
ipr-rat TDLo:230 mg/kg/24WI TFX:CAR NATWAY 55,183,68
ipr-rat TDLo:10 gm/10WI TFX:TER NEOLA4 14,435,67
scu-rat TDLo:200 mg/kg/20WI TFX:NEO BJCAAI 27,230,73
ivn-rat LDLo:16 mg/kg TCIA** -,45,73
ivn-rat TDLo:70 mg/kg TFX:CAR NATWAY 50,735,63
ivn-rat TDLo:12 mg/kg/(15-23D Preg) TFX:TER TCIA** -,45,73
ice-rat LD50:64 mg/kg JNCIAM 41,619,68
imp-rat LDLo:30 mg/kg CBINA8 5,139,72
skn-mus TDLo:50 mg/kg TFX:CAR ABMGAJ 17,33,66
ipr-mus LD50:144 mg/kg CNREA8 30,11,70
ipr-mus TDLo:50 mg/kg TFX:CAR BJCAAI 24,588,70
ice-mus LD50:88 mg/kg JNCIAM 41,619,68
ivn-dog TDLo:240 mg/kg/52WI TFX:CAR EXPEAM 26,303,70
ivn-rbt TDLo:200 mg/kg/10WI TFX:CAR VGEMAO 150,76,69
orl-gpg TDLo:800 mg/kg TFX:CAR ZEKBAI 72,167,68
orl-ham TDLo:282 mg/kg/17WI TFX:CAR KGGZAL 25,262,68
skn-ham TDLo:162 mg/kg/13WI TFX:CAR NATUAS 214,611,67
ipr-ham TDLo:141 mg/kg/17WI TFX:CAR PAVEAC 6,403,69
scu-ham LD50:113 mg/kg BJCAAI 29,359,74
scu-ham TDLo:54 mg/kg/13WI TFX:CAR JPBAA7 92,35,66
ivn-ham LDLo:42 mg/kg JPBAA7 92,35,66
ivn-ham TDLo:83 mg/kg/13WI TFX:CAR KGGZAL 25,262,68
itr-ham TDLo:46 mg/kg/11WI TFX:CAR IJCNAW 6,217,70

YT80500. UREA, 1-METHYL-1-NITROSO- see:YT78750 UREA, METHYL NITROSO-

YT82250. UREA, 1-METHYL-1-NITROSOACETYL-
MW: 145.14 MOLFM: N3-O3-C4-H7
WLN: ONN1&VMV1
SYN: ACETYLMETHYLNITROSOUREA * N'-ACETYL-METHYLNITROSOUREA * 1-METHYL-1-NITROSOACETYLUREA *
TXDS: orl-rat LD50:250 mg/kg TCIS** -,-,72
orl-rat TDLo:468 mg/kg TFX:CAR BPAAAG 142,194,71

YT89250. UREA, METHYL-, mixed with SODIUM NITRITE (88.2%:11.8%)
TXDS: orl-mus TDLo:238 g/kg/28W TFX:CAR JNCIAM 46,1034,71

YU01750. UREA, n-PENTYL-NITROSO-
MW: 159.22 MOLFM: N3-O2-C6-H13
SYN: n-PENTYLNITROSOUREA *
TXDS: orl-rat LD50:560 mg/kg TCIS** -,-,72
orl-rat TDLo:5200 mg/kg/52WI TFX:CAR TCIS** -,-,72

YU17500. UREA, n-PROPYLNITROSO-
MW: 173.20 MOLFM: N3-O3-C6-H11
SYN: n-PROPYLNITROSOUREA *
TXDS: orl-rat LD50:530 mg/kg TCIS** -,-,72
orl-rat LD50:2080 mg/kg/52WI TFX:CAR TCIS** -,-,72

YU28000. UREA, THIO-
CAS: 000062566 MW: 76.13 MOLFM: N2-S-C-H4
WLN: ZYZUS
SYN: THIOCARBAMIDE * THIOUREA *
TXDS: orl-wmn TDLo:1660 mg/kg/5W TFX:BLD LANCAO 246,179,44
orl-rat LD50: 20 mg/kg PSEBAA 70,688,49
orl-rat TDLo:300 mg/kg/DC TFX:NEO CANRA4 7,1109,54
ipr-rat LD50:436 mg/kg PCTXAV 3,597,65

YU47250. UREA, 1,1,3-TRIMETHYL-3-NITROSO-
CAS: 003475636 MW: 131.16 MOLFM: N3-O2-C4-H9
WLN: ONN1&VN1&1
SYN: 1,1,3-TRIMETHYL-3-NITROSOUREA *
TXDS: orl-rat TDLo:1600 mg/kg/78WC TFX:NEO ZEKBAI 66,541,65

YU56000. p-UREIDOBENZENEARSONIC ACID see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

YU57750. 4-UREIDO-1-PHENYLARSONIC ACID see:CP92750 ARSANILIC ACID, N-CARBAMOYL-

YU61250. URETHAN see:PA84000 CARBAMIC ACID, ETHYL ESTER

YU63000. URETHANE see:PA84000 CARBAMIC ACID, ETHYL ESTER

YU63900. URETHAN mixed with ISONICOTINIC ACID HYDROZIDE (1:1 mole) see:PA90000 CARBAMIC ACID, ETHYL ESTER mixed with ISONICOTINIC ACID HYDRAZIDE (1:1 mole)

YU64750. URETHAN, PHENYL- see:FD89250 CARBANILIC ACID, ETHYL ESTER

YU66500. URETHYLANE see:FC24500 CARBAMIC ACID, METHYL ESTER

YU81150. URINARY INDICAN see:NL03500 INDICAN

YU82250. URITONE see:HN47250 HEXAMETHYLENETETRAMINE

YU91000. UROTROPIN see:HN47250 HEXAMETHYLENETETRAMINE

YU92750. UROTROPINE see:HN47250 HEXAMETHYLENETETRAMINE

YU95900. URSOFERRAN see:NO59500 IRON-DEXTRAN COMPLEX

YU96250. URS-12-EN-28-OIC ACID, 2alpha,3beta,23-TRIHYDROXY-, O-6-DEOXY-alpha-L-MANNOPYRANOSYL-(1-4)-o-beta-D-GLUCOPYRANOSYL-(1-6)-o-beta-D-GLUCOPYRANOSYL ESTER
SYN: ASIATICOSIDE * MADECASSOL *
TXDS: skn-mus TDLo:400 mg/kg/52WI TFX:NEO CNREA8 32,1463,72

YV07000. USACERT BLUE NO. 1 see:BQ45500 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

YV07080. USACERT BLUE No. 2 see:DU30000 (delta(sup 2,2')-BIINDOLINE)-5,5'-DISULFONIC ACID, 3,3'-DIOXO-, DISODIUM SALT

YV07140. USACERT RED No. 1 see:QJ66500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((2,4,5-TRIMETHYLPHENYL)AZO)-, DISODIUM SALT

YV07200. USACERT RED NO. 2 see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

YV07800. USACERT RED NO. 4 see:QK27050 1-NAPHTHALENESULFONIC ACID, 4-HYDROXY-3-((6-SULFO-2,4-XYLYL)AZO)-, DISODIUM SALT

YV08750. USACERT YELLOW NO. 6 see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

YV22500. VABROCID see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

YV73500. VALERIC ACID, 4,5-EPOXY-2-(2,3-EPOXYPROPYL)-, METHYL ESTER
MW: 186.23 MOLFM: O4-C9-H14
WLN: T3OTJ B1- 2YV01
SYN: 4,5-EPOXY-2-(2,3-EPOXYPROPYL)VALERIC ACID, METHYL ESTER * METHY METHYL DIEPOXYDIALLYLACETATE *
TXDS: ihl-mus TDLo:3700 mg/kg TFX:NEO RARSAM 3,193,63

YV73800. VALERIC ACID, 4,5-EPOXY-3-HYDROXY-, beta-LACTONE
MW: 114.11 MOLFM: O3-C5-H6
TXDS: skn-mus TDLo:76 gm/kg/63WI TFX:NEO JNCIAM 35,707,65

YW03500. VALZIN see:YT22750 UREA, (p-ETHOXYPHENYL)-

YX15750. VEDERON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

YY17500. VERSOMNAL see:CQ68250 BARBITURIC ACID, 5-ETHYL-5-PHENYL-

YY18200. VERT ACIDE BRILLIANT BS see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

YY19250. VERTOLAN see:WO92750 SULFANILAMIDE, N(SUP 1)-(4,6-DIMETHYL-2-PYRIMIDINYL)-

YY28800. VETERINARY NITROFURAZONE see:LT77000 2-FURALDEHYDE, 5-NITRO-, SEMICARBAZONE

YY29750. VETICILLIN see:XH98000 4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-7-OXO-6-(2-PHENYL= ACETAMIDO)-, MONOSODIUM SALT

YY51200. VICTORIA RUBINE O see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

YY51800. VICTORIA RUBINE O for FOOD see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

YY52500. VICTORIA SCARLET 3R see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

YY54250. VICTORIA SCARLET RED see:QK22750 1,3-NAPHTHALENESULFONIC ACID, 7-HYDROXY-8-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

YY65180. VINACORT see:KV03500 ETHYLENE, CHLORO- POLYMER

YY96800. VINILE (CLORURO DI) (Italian) see:KU96250 ETHYLENE, CHLORO-

YZ07000. VINYLAMINE, N-ETHYL-N-NITROSO-
CAS: 013256138 MW: 100.14 MOLFM: N2-O-C4-H8
WLN: ONN2&1U1
SYN: AETHYL-VINYL-NITROSOAMIN (German) * N-ETHYL-N-NITROSOVINYLAMINE *
TXDS: orl-rat LD50:88 mg/kg NATWAY 50,100,63
orl-rat TDLo:230 mg/kg/25WI TFX:CAR ARZNAD 19,1077,69

YZ08750. VINYLAMINE, N-METHYL-N-NITROSO-
CAS: 004549400 MW: 86.11 MOLFM: N2-O-C3-H6
WLN: ONN1&1U1
SYN: N-METHYL-N-NITROSOVINYLAMINE * METHYLVINYLNITROSAMINE *
TXDS: orl-rat TDLo:110 mg/kg/52WI TFX:CAR ARZNAD 19,1077,69
ihl-rat TCLo:44 mg/kg TFX:NEO NATWAY 50,735,63

YZ30500. VINYLCHLORID (German) see:KU96250 ETHYLENE, CHLORO-

YZ31500. VINYL CHLORIDE see:KU96250 ETHYLENE, CHLORO-

YZ36750. VINYL C MONOMER see:KU96250 ETHYLENE, CHLORO-

YZ45500. 1-VINYLCYCLOHEXENE-3 see:GW66500 1-CYCLOHEXENE,4-VINYL

YZ47250. 4-VINYLCYCLOHEXENE see:GW66500 1-CYCLOHEXENE,4-VINYL

YZ50750. VINYL CYCLOHEXENE DIEPOXIDE see:RN86400 7-OXABICYCLO(4.1.0)HEPTANE, 1-(EPOXYETHYL)-

YZ52500. VINYL CYCLOHEXENE DIOXIDE see:RN86400 7-OXABICYCLO(4.1.0)HEPTANE, 1-(EPOXYETHYL)-

YZ64000. VINYLE(CHLORURE DE) (French) see:KU96250 ETHYLENE, CHLORO-

YZ64750. VINYLENE CARBONATE see:FG33250 CARBONIC ACID, cyclic VINYLENE ESTER

YZ81400. VINYLITE see:KV03500 ETHYLENE, CHLORO- POLYMER

ZA19250. VIOLAMINE R
CAS: 006252762 MW: 613.68 MOLFM: N2-O6-S-C34-H26 .Na
WLN: T C666 BO EYJ EUNR B DSWQ& IR BVQ& MMR B &-NA-
TXDS: scu-rat LDLo:3800 mg/kg/20WI TFX:NEO GANNA2 47,595,56

ZA25000. 11386 VIOLET see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

ZA25400. VIOLET 6B see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

ZA53200. VIRORMONE see:XA30300 TESTOSTERONE

ZA54500. VIROSTERONE see:XA30300 TESTOSTERONE

ZB09200. VITESTROL see:SL06000 PHENOL, 4,4'-(1,2-DIETHYLETHYLENE)DI-, meso-

ZB24500. VOLUNTAL see:FD17500 CARBAMIC ACID, 2,2,2-TRICHLOROETHYL ESTER

ZB25700. VONDACEL BLUE 2B see:QJ64000 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-((4,4'-BIPHENYLYLENE)BIS(AZO))-BIS(5-AMINO-4-HYDROXY-, TETRASODIUM SALT

ZB28000. VONDACID GREEN L see:BQ43750 AMMONIUM, ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)-AMINO)-alpha-PHENYLBENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, SODIUM SALT

ZB29000. VONDACID GREEN S see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

ZB36750. VOPCOLENE 27 see:RG22750 9-OCTADECENOIC ACID, (Z)-

ZB49000. VULCACURE see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

ZB63800. VYBAK see:KV03500 ETHYLENE, CHLORO- POLYMER

ZB87040. WARECURE C see:NI96250 2-IMIDAZOLIDINETHIONE

ZC02000. WATER GREEN SX see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

ZC05250. WAXOLINE RED O see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

ZC07000. WAXOLINE RED OM see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

ZC08750. WAXOLINE RED OS see:QL57750 2-NAPHTHOL, 1-((4-(o-TOLYLAZO)-o-TOLYL)AZO)-

ZC10500. WAXOLINE YELLOW ADS see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

ZC10850. WAXOLINE YELLOW I see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

ZC11200. WAXOLINE YELLOW IM see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

ZC11550. WAXOLINE YELLOW IP see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

ZC11900. WAXOLINE YELLOW IS see:QL49000 2-NAPHTHOL, 1-(PHENYLAZO)-

ZC12250. WAXOLINE YELLOW O see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

ZC14000. WEATHERBEE MUSTARD see:HX42000 HYDROQUINONE, 2,5-BIS((BIS(2-CHLOROETHYL)AMINO)METHYL-

ZC17500. WECOLINE OO see:RG22750 9-OCTADECENOIC ACID, (Z)-

ZC21000. WEEDAZOL see:XZ38500 s-TRIAZOLE, 3-AMINO-

ZC39000. WHITE COPPERAS see:WT17500 SULFURIC ACID, ZINC SALT (1:1)

ZC42000. WHITE STREPTOCIDE see:WO84000 SULFANILAMIDE

ZC43750. WHITE TAR see:QJ05250 NAPHALENENIC ACID, (2,2,2-TRICHLORO-1-HYDROXYETHYL)-, DIMETHYL ESTER

ZC45500. WHITE VITRIOL see:WT17500 SULFURIC ACID, ZINC SALT (1:1)

ZC46400. WHORTLEBERRY RED see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

ZC77400. WINYLU CHLOREK (Polish) see:KU96250 ETHYLENE, CHLORO-

ZC88400. WLEVIC see:KV03500 ETHYLENE, CHLORO- POLYMER

ZD06000. WOOL BORDEAUX 6RK see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

ZD07070. WOOL GREEN B see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

ZD07150. WOOL GREEN BS see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

ZD07230. WOOL GREEN BSNA see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

ZD07300. WOOL GREEN MS see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

ZD07350. WOOL GREEN S see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

ZD07400. WOOL GREEN S (BIOLOGICAL STAIN) see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

ZD07450. WOOL GREEN SG see:BQ11500 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(2-HYDROXY-3,6-DISULFO-1-NAPHTHYL)BENZYLIDENE)-2,5- CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, HYDROXIDE, INNER SALT, SODIUM SALT

ZD07750. WOOL RED 40P see:QJ65500 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-((4-SULFO-1-NAPHTHYL)AZO)-, TRISODIUM SALT

ZD07830. WOOL VIOLET 4BN see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

ZD07920. WOOL VIOLET 5BN see:BQ11400 AMMONIUM, (4-(p-(DIMETHYLAMINO)-alpha-(p-(ETHYL(m-SULFOBENZYL)AMINO)PHENYL)BENZYLIDENE- 2,5-CYCLOHEXADIEN-1-YLIDENE)ETHYL(m-SULFOBENZYL)-, HYDROXIDE, inner salt, SODIUM SALT

ZD46200. WYNESTRON see:KG85750 ESTRONE

ZD46900. 3960-X14 see:WZ61250 TERPENE POLYCHLORINATES

ZD55000. 3H-XANTHEN-6-AMINE, N-METHYL-3-(METHYLIMINO)-, HYDROCHLORIDE
CAS: 002465294 MW: 274.77 MOLFM: N2-O-C15-H14 .Cl-H
WLN: T C666 BO EYJ EUN1 MM1 &GH
SYN: ACRIDINE RED * ACRIDINE RED 3B * ACRIDINE RED, HYDROCHLORIDE * DIMETHYLDIAMINOXANTHENYL CHLORIDE *
TXDS: scu-rat TDLo:1350 mg/kg/57WI TFX:CAR GANNA2 47,153,56

ZD57750. XANTHENE N-OXIDE
MW: 168.13 MOLFM: N4-O3-C5-H4
TXDS: scu-rat TDLo:1100 mg/kg/26WI TFX:CAR CNREA8 25,986,65

ZD73500. XANTHIC OXIDE see:ZD77000 XANTHINE

ZD75250. XANTHIN see:ZD77000 XANTHINE

ZD77000. XANTHINE
CAS: 000069896 MW: 152.13 MOLFM: N4-O2-C5-H4
WLN: T56 BM DN FMVMVJ
SYN: 2,6-DIOXOPURINE * ISOXANTHINE * PURINE-2,6-DIOL * 9H-PURINE-2,6-DIOL * PURINE-2,6-(1H,3H)-DIONE * 2,6(1,3)-PURINEDION * 9H-PURINE-2,6-(1H,3H)-DIONE * XANTHIC OXIDE * XANTHIN *
TXDS: ipr-mus LD50:500 mg/kg CURL** -,95,62
scu-rat TDLo:3600 mg/kg/18WI TFX:NEO JNCIAM 24,109,60
imp-mus TDLo:80 mg/kg TFX:NEO BJCAAI 11,212,57
unk-frg LDLo:20 mg/kg TPMDAB 12,-,1891

ZD82250. XANTHINE, 1-HYDROXY-, DIHYDRATE
MW: 202.13 MOLFM: N4-O3-C5-H4 .2O-H2
WLN: T56 BM DN FMVNVJ HQ
TXDS: scu-rat TDLo:350 mg/kg/26WI TFX:NEO CNREA8 30,184,70

ZD84000. XANTHINE, 3-HYDROXY-, HYDRATE
MW: 186.13 MOLFM: N4-O3-C5-H4 .O-H2
SYN: 3-HYDROXYXANTHINE *
TXDS: orl-rat TDLo:970 mg/kg/22WI TFX:NEO CNREA8 30,179,70
scu-rat LDLo:3100 mg/kg CNREA8 30,179,70
scu-rat TDLo:11 mg/kg/24WI TFX:CAR CNREA8 30,184,70
scu-mus TDLo:710 mg/kg/22WI TFX:NEO CNREA8 30,179,70

ZE05250. XANTHURENIC ACID see:UZ92750 QUINALDIC ACID, 4,8-DIHYDROXY-

ZE07000. XANTHURIC ACID see:UZ92750 QUINALDIC ACID, 4,8-DIHYDROXY-

ZE13100. XENYLAMIN (Czech) see:DU89250 4-BIPHENYLAMINE

ZE14000. XENYLAMINE see:DU89250 4-BIPHENYLAMINE

ZE36750. XYLENE BLUE VSG see:BQ45500 AMMONIUM , ETHYL(4-(p-(ETHYL(m-SULFOBENZYL)AMINO)-alpha-(o-SULFOPHENYL)BENZYLIDENE)-2,5-CYCLOHEXADIEN-1-YLIDENE)-(m-SULFOBENZYL)-, HYDROXIDE, INNER SALT, DIAMMONIUM SALT

ZE56000. 2,4-XYLENOL
CAS: 000105679 MW: 122.10 MOLFM: O-C8-H10
WLN: QP B D
SYN: 2,4-DIMETHYLPHENOL * 1-HYDROXY-2,4-DIMETHYLBENZENE *
TXDS: skn-mus TDLo:5600 mg/kg/28WI TFX:CAR CNREA8 19,413,59
ipr-mus LDLo:150 mg/kg NTIS** AD 691-490

ZE57750. 2,5-XYLENOL
CAS: 000095874 MW: 122.18 MOLFM: O-C8-H10
WLN: QR B E
SYN: 2,5-DIMETHYLPHENOL * 2,5-DIMETHYLPHENOL * 2,5-DMP *
TXDS: orl-rat LD50:444 mg/kg HYSAAV 33,329,68
orl-mus LD50:383 mg/kg HYSAAV 33,329,68
skn-mus TDLo:5600 mg/kg/28WI TFX:CAR CNREA8 19,413,59
orl-rbt LD50:938 mg/kg HYSAAV 33,329,68

ZE61250. 2,6-XYLENOL
CAS: 000576267 MW: 122.18 MOLFM: O-C8-H10
WLN: QR B F
SYN: 2,6-DIMETHYLPHENOL * 2,6-DMP *
TXDS: orl-rat LD50:296 mg/kg HYSAAV 33,329,68
orl-mus LD50:479 mg/kg HYSAAV 33,329,68
skn-mus TDLo:64,000 mg/kg/20WI TFX:NEO CHIMA* 19,413,59
ipr-mus LD50:150 mg/kg NTIS** AD691-490
orl-rbt LD50:700 mg/kg HYSAAV 33,329,68

ZE63000. 3,4-XYLENOL
CAS: 000095658 MW: 122.18 MOLFM: O-C8-H10
WLN: QR C D
SYN: 3,4-DIMETHYLPHENOL * 3,4-DIMETHYLPHENOL * 3,4-DMP *
TXDS: orl-rat LDLo:500 mg/kg NCNSA6 5,36,53
orl-mus LD50:400 mg/kg HYSAAV 33,329,68
skn-mus TDLo:5600 mg/kg/28WI TFX:CAR CNREA8 19,413,59
orl-rbt LD50:800 mg/kg HYSAAV 33,329,68

ZE64750. 3,5-XYLENOL
CAS: 000108689 MW: 122.18 MOLFM: O-C8-H10
WLN: QR C E
SYN: 3,5-DIMETHYLPHENOL * 3,5-DIMETHYLPHENOL * 3,5-DMP *
TXDS: orl-rat LD50:608 mg/kg HYSAAV 33,329,68
orl-mus LD50:477 mg/kg HYSAAV 33,329,68
skn-mus TDLo:5600 mg/kg/28WI TFX:CAR CNREA8 19,413,59
orl-rbt LD50:1313 mg/kg HYSAAV 33,329,68

ZE66500. 4,5-XYLENOL, 2-AMINO-
MW: 137.20 MOLFM: N-O-C8-H11
WLN: ZR BQ D E
SYN: 2-AMINO-4,5-DIMETHYLPHENOL * 2-AMINO-4,5-XYLENOL *
TXDS: imp-mus TDLo:85 mg/kg TFX:CAR BSBSAS 11,212,57

ZF05250. XYLIDINE PONCEAU see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

ZF07000. XYLIDINE RED see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

ZF33250. 1-XYLYLAZO-2-NAPHTHOL see:QL59500 2-NAPHTHOL, 1-(2,5-XYLYLAZO)-

ZF35000. 1-(2,5-XYLYLAZO)-2-NAPHTHOL see:QL59500 2-NAPHTHOL, 1-(2,5-XYLYLAZO)-

ZF36750. 1-XYLYLAZO-2-NAPHTHOL-3,6-DISULFONIC ACID, DISODIUM SALT see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYLAZO)-, DISODIUM SALT

ZF38500. 1-(2,4-XYLYLAZO)-2-NAPHTHOL-3,6-DISULFONIC ACID, DISODIUM SALT see:QJ68250 2,7-NAPHTHALENEDISULFONIC ACID, 3-HYDROXY-4-(2,4-XYLYAZO)-, DISODIUM SALT

ZF54250. Y 2 see:FD91000 CARBANILIC ACID, ISOPROPYL ESTER

ZF56000. Y 3 see:FD80500 CARBANILIC ACID, m-CHLORO-, ISOPROPYL ESTER

ZF68250. 1351 YELLOW see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

ZF70000. 1899 YELLOW see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

ZF71750. 11824 YELLOW see:LM54250 FLUORESCEIN, DISODIUM SALT

ZF73500. 12417 YELLOW see:LM54250 FLUORESCEIN, DISODIUM SALT

ZF75250. YELLOW AB see:SR43750 PHENYLAZO-2-NAPHTHYLAMINE

ZF77000. YELLOW CROSS LIQUID see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)

ZF81400. YELLOW OB see:QM50000 2-NAPHTHYLAMINE, 1-(o-TOLYLAZO)-

ZF82250. YELLOW ORANGE S see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

ZF87500. YELLOW PYOCTANINE see:BY35000 ANILINE, 4,4'-(IMIDOCARBONYL)BIS(N,N-DIMETHYL-

ZF89250. YELLOW SUN see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

ZF91000. YELLOW SY for FOOD see:QK24500 2-NAPHTHALENESULFONIC ACID, 6-HYDROXY-5-((p-SULFOPHENYL)AZO)-, DISODIUM SALT

ZG15750. YPERITE see:WQ09000 SULFIDE, BIS(2-CHLOROETHYL)

ZG19250. YTTERBIUM
CAS: 007440644 MW: 173.04 MOLFM: Yb
WLN: .YB
TXDS: imp-mus TDLo:25 gm/kg TFX:NEO PSEBAA 135,426,70

ZG42450. Z-78 see:ZH33250 ZINC, (ETHYLENEBIS(DITHIOCARBAMATO))-

ZG58600. ZENTRONAL see:HU10500 HYDANTOIN, 5,5-DIPHENYL-

ZG59500. ZENTROPIL see:HU10500 HYDANTOIN, 5,5-DEPHENYL-

ZG66500. ZERDANE see:KJ33250
ETHANE, 1,1,1-TRICHLORO-2,2-BIS(p-CHLOROPHENYL)-

ZG68250. ZERLATE see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

ZG77000. ZIARNIK see:OV64750 MERCURY, (ACETATO)PHENYL-

ZG80500. ZIMATE see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

ZG84000. ZIMATE, METHYL see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

ZG85750. ZINADON see:NS17500 ISONICOTINIC ACID HYDRAZIDE

ZG94500. ZINC BERYLLIUM SILICATE see:VV91000 SILICIC ACID, BERYLLIUM ZINC SALT

ZH05250. ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-
CAS: 000137304 MW: 307.83 MOLFM: N2-S4-C6-H14 .Zn
WLN: SUYSN1&1 & 2-Zn
SYN: ACCELERATOR L * ACETO ZDED * ACETO ZDMD * ALCOBAM ZM * BIS(N,N-DIMETIL-DITIOCARBAMMATO) DI ZINCO (Italian) * BIS-DIMETHYLDITHIOCARBAMATE DE ZINC (French) * BIS(DIMETHYLDITHIOCARBAMATO)ZINC * CARBAMIC ACID, DIMETHYLDITHIO,ZINC SALT * CORONA COROZATE * COROZATE * DIMETHYLDITHIOCARBAMATE ZINC SALT * DIMETHYLDITHIOCARBAMIC ACID, ZINC SALT * EPTAC 1 * ENT 988 * FUCLASIN * FUKLASIN * KARBAM WHITE * METHASAN * METHAZATE * METHYL ZIMATE * METHYL ZIRAM * MILBAM * MILBAN * ORCHARD BRAND ZIRAM * VULCACURE * ZERLATE * ZIMATE * ZIMATE, METHYL * ZINK-BIS(N,N-DIMETHYL-DITHIOCARBAMAAT) (Dutch) * ZINK-BIS(N,N-DIMETHYL-DITHIOCARBAMAT) (German) * ZIN ZINC BIS(DIMETHYLTHIOCARBAMOYL)DISULFIDE * ZINC DIMETHYLDITHIOCARBAMATE * ZINC N,N-DIMETHYLDITHIOCARBAMATE * ZIRAME * ZIRBERK * ZIRAM * ZIRAME *
TXDS: orl-rat LD50:1400 mg/kg TXAPA9 21,315,72
orl-rat TDLo:13 gm/kg/95WI TFX:CAR VPITAR 29,71,70
ipr-rat LD50:23 mg/kg JAPMA8 41,662,52
imp-rat TDLo:60 mg/kg TFX:CAR VPITAR 29,71,70
ipr-mus LD50:73 mg/kg JAPMA8 41,662,52
orl-mus TDLo:1500 mg/kg TFX:NEO VOONAW 15(4),71,69
orl-rbt LDLo:100 mg/kg JAPMA8 41,662,52
ipr-rbt LDLo:5 mg/kg JAPMA8 41,662,52
orl-gpg LDLo:100 mg/kg JAPMA8 41,662,52
ipr-gpg LDLo:20 mg/kg JAPMA8 41,662,52
orl-bwd LD50:100 mg/kg TXAPA9 21,315,72
unk-man LD50:1400 mg/kg 30ZDA9 -,213,71

ZH08750. ZINC BIS(DIMETHYLTHIOCARBAMOYL)DISULFIDE see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

ZH12250. ZINC BUTTER see:ZH14000 ZINC CHLORIDE

ZH14000. ZINC CHLORIDE
CAS: 007646857 MW: 136.27 MOLFM: Cl2-Zn
WLN: .ZN..G2
SYN: BUTTER OF ZINC * CHLORURE DE ZINC (French) * ZINC BUTTER * ZINC (CHLORURE DE) (French) * ZINC DICHLORIDE * ZINCO (CLORURO DI) (Italian) * ZINKCHLORID (German) * ZINKCHLORIDE (Dutch) *
TXDS: ihl-man TCLo:4800 mg/m3/30M TFX:PUL PerJJ# 10JAN74
ivn-rat LDLo:30 mg/kg PEPRA7 9,260,50
par-ham TDLo:17 mg/kg TFX:NEO CNREA8 34,2612,74
par-ckn TDLo:15 mg/kg TFX:NEO CANCAR 6,464,53
U.S. OCCUPATIONAL STANDARD USOS-air FEREAC 37,22139,72

ZH15000. ZINC (CHLORURE DE) (French) see:ZH14000 ZINC CHLORIDE

ZH19250. ZINC DICHLORIDE see:ZH14000 ZINC CHLORIDE

ZH24500. ZINC DIMETHYLDITHIOCARBAMATE see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

ZH26250. ZINC N,N-DIMETHYLDITHIOCARBAMATE see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

ZH31500. ZINC ETHYLENE-1,2-BISDITHIOCARBAMATE see:ZH33250 ZINC, (ETHYLENEBIS(DITHIOCARBAMATO)-

ZH33250. ZINC, (ETHYLENEBIS(DITHIOCARBAMATO))-
CAS: 000142143 MW: 277.75 MOLFM: N2-S4-C4-H8 .Zn
WLN: T9MYS-Zn-SYMTJ BUS FUS
SYN: ASPOR * DITHANE Z-78 * DITHIANE Z-78 * ETHYLENEBIS DITHIOCARBAMATE ZINC * ENT 14,874 * ETHYLENEBIS(DITHIOCARBAMIC ACID), ZINC SALT * ETHYL ZIMATE * PARZATE * PARZATE ZINEB * TIEZENE * Z-78 * ZINC ETHYLENE-1,2-BISDITHIOCARBAMATE * ZINC, ETHYLENE-1,2-BISDITHIOCARBAMATE * ZINEB *
TXDS: orl-rat TDLo:54 gm/kg/95WI TFX:CAR VPITAR 29,71,70
orl-rat TDLo:2000 mg/kg/(11D Preg) TFX:TER FCTXAV 11,239,73
imp-rat TDLo:80 mg/kg TFX:CAR VPITAR 29,71,70
ipr-mus TDLo:160 mg/kg/(preg) TFX:TER VPITAR 30,49,71
unk-mam LD50:2000 mg/kg 30ZDA9 -,219,71

ZH39400. ZINC MANGANESE BERYLLIUM SILICATE see:DS35500 BERYLLIUM MANGANESE ZINC SILICATE

ZH47800. ZINCO (CLORURO DI) (Italian) see:ZH14000 ZINC CHLORIDE

ZH52500. ZINC SULFATE see:WT17500 SULFURIC ACID, ZINC SALT (1:1)

ZH57400. ZINC VITRIOL see:WT17500 SULFURIC ACID, ZINC SALT (1:1)

ZH57750. ZINEB see:ZH33250 ZINC, (ETHYLENEBIS(DITHIOCARBAMATO)-

ZH57900. ZINK-BIS(N,N-DIMETHYL-DITHIOCARBAMAAT) (Dutch) see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

ZH58150. ZINK-BIS(N,N-DIMETHYL-DITHIOCARBAMAT) (German) see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

ZH58500. ZINKCHLORID (German) see:ZH14000 ZINC CHLORIDE

ZH58750. ZINKCHLORIDE (Dutch) see:ZH14000 ZINC CHLORIDE

ZH59500. ZINKOSITE see:WT17500 SULFURIC ACID, ZINC SALT (1:1)

ZH64750. ZIRAM see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

ZH68250. ZIRAME see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

ZH70000. ZIRBERK see:ZH05250 ZINC, BIS(DIMETHYLDITHIOCARBAMATO)-

ZH85750. ZIRCONIUM(IV) LACTATE (1:4)
MW: 180.30 MOLFM: O3-C3-H5 .Zr
SYN: LACTIC ACID, ZIRCONIUM SALT (4:1) *
TXDS: ipr-rat LD50: 500 mg/kg AIHC** -,23,62
idr-mus TDLo:120 mg/kg TFX:NEO JIDEAE 57,411,71

ZI02500. ZIRCONIUM SODIUM LACTATE
MW: 397.45 MOLFM: O10-Na-Zr-C9-H15
TXDS: idr-wmn TDLo:400 ng/kg TFX:SKN BJDEAZ 70,75,58
idr-mus TDLo:240 mg/kg TFX:NEO JIDEAE 57,411,71

ZI04680. ZLUT MASELNA (Czech) see:BX73500 ANILINE,N,N-DIMETHYL-p-PHENYLAZO

ZI15750. ZOBA GKE see:XS96250 TOLUENE-2,4-DIAMINE

ZI19250. ZONAZIDE see:NS17500 ISONICOTINIC ACID HYDRAZIDE

BIBLIOGRAPHIC REFERENCES

AABIAV	Annals of Applied Biology (London/New York)
AACRAT	Anesthesia and Analgesia, Current Researches (Cleveland)
AANLAW	Accademia Nazionale dei Lincei, Rendiconti della Classe di Scienze Fisiche, Matematiche e Naturali, Atti (Rome)
ABANAE	Antibiotics Annual, New York: Medical Encyclopedia, Inc.
ABMGAJ	Acta Biologica et Medica Germanica (Berlin)
ACCW**	Army Chemical Center, Md. Army Chemical Warfare Labs. CWLR 2027
ACRAAX	Acta Radiologica (Stockholm)
ACVIA9	Acta Vitaminologica (Milan)
AEHLAU	Archives of Environmental Health (Chicago)
AEPPAE	Naunyn-Schmiedebergo Archiv fuer Experimentelle Pathologie und Pharmakologie
AERO**	Aeroject General for Wright-Patterson Air Force Base, Toxic Hazards Division AMRL (MRT) (Ohio)
AEXPBL	Archiv fuer Experimentelle Pathologie und Pharmakologie (Berlin)
AFDOAQ	Association of Food and Drug Officials of the United States, Quarterly Bulletin (Austin, Texas)
AGGHAR	Archiv fuer Gewerbepathologie und Gewerbehygiene (Heidelberg)
AICCA6	Acta Unio Internationalis Contra Cancrum (Louvain, Belgium)
AIHAAP	American Industrial Hygiene Association Journal (Baltimore)
AIHC**	American Industrial Hygiene Conference Abstracts
AIHOAX	Archives of Industrial Hygiene and Occupational Medicine (Baltimore)
AIMSA2	Archivio Italiano di Medicina Sperimentale (Turin)
AIPTAK	Archives Internationales de Pharmacodynamie et de Therapie (Ghent, Belgium)
AIPUAN	Archivio Italiano di Patologia e Clinica dei Tumori (Milan)
AITDAQ	Archiwum Immunologii i Terapii Doswiadczalnej (Warsaw)
AJCAA7	American Journal of Cancer (Baltimore/New York)

AJCPAI	American Journal of Clinical Pathology (Baltimore)
AJEBAK	Australian Journal of Experimental Biology and Medical Science (Adelaide, Australia)
AJHYA2	American Journal of Hygiene (Baltimore)
AJMSA9	American Journal of the Medical Sciences (Philadelphia)
AJPAA4	American Journal of Pathology (New York/Boston)
AJVRAH	American Journal of Veterinary Research (Chicago)
AKEDAX	Archiv Fuer Klinische Und Experimentelle Dermatologie (Berlin)
ALPIA8	Abbott Laboratories, Indexing Report (Chicago)
AMHTA8	Archives des Maladies Professionnelles, Hygiene et Toxicologie Industrielles (Paris)
AMIHAB	American Medical Association Archives of Industrial Health (Chicago)
AMIHBC	American Medical Association Archives of Industrial Hygiene and Occupational Medicine (Chicago)
AMRL**	Aerospace Medical Research Laboratory (WPAFB, Ohio)
AMSHAR	Acta Morphologica, Academiae Scientiarum Hungaricae (Budapest)
AMSSAQ	Acta Medica Scandinavica, Supplement (Stockholm)
AMTUA3	Acta Medica Turcica (Ankara)
AMUK**	Acta Medica Univ. Kioto (Kioto, Japan)
ANREAK	Anatomical Record (Philadelphia)
ANTBAL	Antibiotiki (English Translation: Antibiotics, New York) (Moscow)
ANYAA9	Annals of the New York Academy of Sciences (New York)
ANZJA7	Australian and New Zealand Journal of Surgery (Melbourne)
AOHYA3	Annals of Occupational Hygiene (Oxford/New York)
APAVAY	Virchows Archiv fuer Pathologische, Anatomie und Physiologie und fuer Klinische Medizin (Berlin)
APEPA2	Archiv fuer Experimentalle Pharmakologie und Pathologie (Leipzig)
APJAAG	Acta Pathologica Japonica (Tokyo)
APMIAL	Acta Pathologica et Microbiologica Scandinavica (Copenhagen)
APSCAX	Acta Physiologica Scandinavica (Stockholm)

APTOA6	Acta Pharmacologica et Toxicologica (Copenhagen)
ARDSBL	American Review of Respiratory Disease (New York)
ARGEAR	Archiv fuer Geschwulstforschung (Dresden, Germany)
ARHEAW	Arthritis and Rheumatism (New York)
ARNEAS	Archives of Neurology (Chicago)
ARPAAQ	Archives of Pathology (Chicago)
ARSIM*	Agricultural Research Service, USDA Information Memorandum #20, 1966
ARTUA4	American Review of Tuberculosis (New York)
ARZNAD	Arzneimittel-Forschung (Aulendorf, Germany)
ATMPA2	Annals of Tropical Medicine and Parasitology (Liverpool)
ATXKA8	Archiv fuer Toxikologie (Berlin)
AVBNAM	Arhiv Bioloskih Nauka (Belgrade)
BAFEAG	Bulletine de l'association Francaise pour l'Etude du Cancer (Paris)
BCPCA6	Biochemical Pharmacology (Oxford/New York)
BEBMAE	Byulleten Eksperimental'noi Biologii i Meditsiny (Russian)
BECCAN	British Empire Cancer Campaign
BECTA6	Bulletin of Environmental Contamination and Toxicology (New York)
BESAAT	Bulletin of the Entomological Society of America (Baltimore/Washington)
BIJOAK	Biochemical Journal (London/New York)
BIOFX*	BIOFAX Industrial Bio-Test Laboratories, Inc. (Northbrook, Illinois)
BJCAAI	British Journal of Cancer (London)
BJEPA5	British Journal of Experimental Pathology (London)
BJIMAG	British Journal of Industrial Medicine (London)
BJPCAL	British Journal of Pharmacology and Chemotherapy (London)
BJPCBM	British Journal of Pharmacology (London)
BLOOAW	Blood (New York)
BMJOAE	British Medical Journal (London)
BPAAAG	Beitraege Zur Pathologischen Anatomie und zur Allgemeinen Pathologie (Stuttgart)

BSBSAS	Boletin de la Sociedad de Biologia de Santiago de Chile (Santiago)
BSIBAC	Bollettino della Societe Italiana di Biologia Sperimentale (Naples, Italy)
BSPII*	The Society of the Plastics Industry, Inc. 'Commercial organic peroxide Toxicological data for users and vendors of organic peroxides" by organic peroxide producers safety division
BUCABS	Bulletin du Cancer: Formerly Bulletine de l'association Francaise pour l'Etude du Cancer (Paris)
BWHOA6	Bulletin of the World Health Organization (Geneva/New York)
CANCAR	Cancer (Philadelphia)
CANRA4	Cancer, Revue Internationale d'Etudes Cancerologigues (Brussels)
CBCCT*	Chemical Biological Coordination Center, Summary Biological Tests, National Research Council (Washington)
CBINA8	Chemico-Biological Interactions (Amsterdam)
CBIR**	Chem.-biol. Interactions
CCPNAG	Canadian Cancer Conference
CCROBU	Cancer Chemotherapy Reports, Part 1. (Bethesda, Maryland)
CCYPBY	Cancer Chemotherapy Reports, Part 3. Program Information. (Bethesda, Maryland)
CHDDAT	Comptes Rendus de l'Academie des Sciences [D] (Paris)
CHEP**	Clinical Handbook on Economic Poisons, U.S. DHEW, PHS Toxicol. Section. Atlanta, Georgia
CHIMA*	Chim Acta
CITOX*	Elkins, H.B., The Chemistry of Industrial Toxicology, 2nd ed., New York, Wiley, 1959
CJMSAV	Canadian Journal of Research Section E, Medical Sciences (Ottawa)
CJSUAX	Canadian Journal of Surgery (Toronto)
CLPTAT	Clinical Pharmacology and Therapeutics (St. Louis)
CNCRA6	Cancer Chemotherapy Reports (Bethesda, Maryland)
CNREA8	Cancer Research (Chicago/Baltimore)
COREAF	Comptes rendus Hebdomadaires Des Seances, Academie Des Sciences (Paris)

CPBTAL	Chemical and Pharmaceutical Bulletin (Tokyo)
CPCHAO	Clinical Proceedings of Children's Hospital (Washington)
CPJOAC	Canadian Pharmaceutical Journal (Toronto)
CRSBAW	Comptes Rendus des Seances de la Societe de Biologie et de Ses Filiales (Paris)
CRSSAF	Comptes Rendus des Seances de la Societe de Biologie (Paris)
CTOXAO	Clinical Toxicology (New York)
CURL**	Chicago University Radiation Laboratory (Chicago)
CUSCAM	Current Science (Bangacore, India)
CWLTM*	Chemical Warfare Laboratory Technical Memorandum
DEGEA3	Deutsche Gesundkeitswesen (Berlin)
DFSGA8	Deutsche Forschungsgemeinschaft, Kommission Zur Pruefung Fremder Stoffe bei Lebenmitteln, Mitteilung (Bonn)
DMWOAX	Deutsch Medizinische Wochenschrift, (Stuttgart, Germany)
DPHFAK	Dissertationes Pharmaceuticae et Pharmacologicae (Warsaw)
DTLVS*	Documentation of Threshold Limit Values for Substances in Workroom Air. Cincinnati, Ohio, Amer. Conf. of Governmental Industrial Hygienists, 1971
DZCHA3	Deutsche Zeitschrift fuer Chirurgie (Leipzig)
EJCAAH	European Journal of Cancer (Oxford)
ELCRT*	Eli Lilly and Company, "Research Today", Volume V, 1949
EMSUA8	Experimental Medicine & Surgery (New York)
ENDOAO	Endocrinology (Springfield, Illinois)
ENVRAL	Environmental Research (New York/London)
EVANS*	Evans Cosmetics, Inc.
EXPEAM	Experientia (Basel)
FAONAU	Food & Agriculture Organization of the United Nations, Report, Series, (Washington, D.C.)
FATOAO	Farmakologiia i Toksikologiia (English Translation: Pharmacology and Toxicology, New York), (Moscow)
FCTXAV	Food and Cosmetics Toxicology (Oxford/New York)

FDADF*	Food and Drug Administration Data File (Washington)
FEPRA7	Federation Proceedings, Federation of American Societies for Experimental Biology (Washington)
FerJJ#	Personal Communication to NIOSH, from J.J. Ferry, Industrial and Environmental Hygiene, General Electric Company, Schenectady, New York
FKIZA4	Fukuoka-Igaku-Zasshi (Fukuoka Acta Medica)
FLCRAP	Fluorine Chemistry Reviews (New York)
FMDZAR	Fortschritte der Medizin (Munich)
FZPAAZ	Frankfurter Zeitschrift fuer Pathologie (Munich)
GANNA2	Japanese Journal of Cancer Research (Tokyo)
GASTAB	Gastroenterology (Baltimore)
GIFT**	Gigiena i fiz. Truda, Pro. Toksikol. Klin (English Translation: Hygiene and Physiology of Labor, Industrial Toxicology and Clinical Aspects), (USSR)
GISAAA	Gigiena i Sanitariya (English Translation is HYSAAV), (USSR)
GRMMAB	German Medical Journal (English Translation of DMWOAX), (Stuttgart)
GROWAH	Growth (Philadelphia)
GTNIAI	Geneeskundig Tijdschrift voor Nederlandsch-Indie (Djakarta)
GTPZAB	Gigiena Truda i Professional'nye Zabolevaniia (Moscow)
GUCHAZ	Guide to the Chemicals Used in Crop Protection (London/Ontario)
HarPN#	Personal communication to Henry Lau, TRACOR JITCO, from Eli Lily Co., Greenfield, Ind. 46140 (Paul N. Harris, M.D.)
HBAMAK	Handbuch Der Biologischen Arbeitsmethoden (Leipzig)
HBTXAC	Handbook of Toxicology, Vols. II-V, W.B. Saunders Co., Philadelphia
HPAOAM	Heating, Piping and Air Conditioning
HPPAAL	Helvetica Physiologia and Pharmacologica Acta (Basel)
HSZPAZ	Hoppe-seyler's Zeitschrift Fuer Physiologische Chemie (Berlin)
HUMAN*	Humangenetik
HURC**	Huntingdon Research Center, Baltimore, Maryland 21204
HYSAAV	Hygiene and Sanitation (English Translation of Gigiena Sanitariya), Springfield, Virginia)

IACRI*	International Agency for Research on Cancer Monographs on the Evaluation of Carcinogenic Risk of Chemicals to Man (Lyon)
IHFCAY	Industrial Hygiene Foundation of America, Chemistry and Toxicology Series Bulletin (Pittsburgh)
IJCAAR	Indian Journal of Cancer (Bombay)
IJCNAW	International Journal of Cancer (Copenhagen)
IJLEAG	International Journal of Leprosy (Washington)
IJMRAQ	Indian Journal of Medical Research (Calcutta/Delhi)
IMSUAI	Industrial Medicine and Surgery (Chicago/Miami)
INHEAO	Industrial Health (Kawasaki, Japan)
INMEAF	Industrial Medicine (Chicago)
INURAQ	Investigative Urology (Baltimore)
JAMAAP	Journal of the American Medical Association (Chicago)
JAPMA8	Journal of the American Pharmaceutical Association, Scientific Edition (Washington)
JBCHA3	Journal of Biological Chemistry (Baltimore)
JBJSA3	Journal of Bone and Joint Surgery (Boston)
JEENAI	Journal of Economic Entomology (Washington)
JEMEAV	Journal of Experimental Medicine (New York)
JIDEAE	Journal of Investigative Dermatology (Baltimore)
JIDHAN	Journal of Industrial Hygiene (Baltimore/New York)
JIHTAB	Journal of Industrial Hygiene and Toxicology (Baltimore/New York)
JJEMAG	Japanese Journal of Experimental Medicine (Tokyo)
JMCMAR	Journal of Medicinal Chemistry (Washington)
JNCIAM	Journal of the National Cancer Institute (Washington)
JOANAY	Journal of Anatomy (London)
JOHYAY	Journal of Hygiene (London/New York)
JOPDAB	Journal of Pediatrics (St. Louis)
JOTPAX	Journal of Oral Therapeutics and Pharmacology

JPBAA7	Journal of Pathology and Bacteriology (London)
JPETAB	Journal of Pharmacology and Experimental Therapeutics (Baltimore)
JPHAA3	Journal of the American Pharmaceutical Association (Washington)
JPLD**	Journal of Pharmacy (London)
JPMSAE	Journal of Pharmaceutical Sciences (Washington)
JPPGAR	Journal de Physiologie et de Pathologie Generale (Paris) (Changed to JOPH-A)
JPPMAB	Journal of Pharmacy and Pharmacology (London)
JPTLAS	Journal of Pathology (Edinburgh, Scotland)
JRMSAS	Journal of the Royal Microscopical Society (London)
JRPFA4	Journal of Reproduction and Fertility (Oxford)
JTCSAO	Journal of Thoracic and Cardiovascular Surgery (St. Louis)
KCGZAL	Oral Surgery (Tokyo)
KREBAG	Krebsarzt (Vienna)
KRMJAC	Kurume Medical Journal (Kurume, Japan)
KUMJAX	Kumamoto Medical Journal (Kumamoto, Japan)
LAINAW	Laboratory Investigation
LANCAO	Lancet (London)
LAPPA5	Lavori Dell'Istituto Di Anatomia e Istologia Patologia Dell'Universita Degli Studi Di Perugia (Perugia, Italy)
MELAAD	Medicina del Lavoro (Milan)
MGONAD	Magyor Onkologia (Budapest)
MINEAO	Minerva Medica (Turin)
MMAM**	Mercury, Mercurials and Mercaptans, eds. Miller, M.W. and Clarkson, T.W. C.C Thomas, Springfield, Ill., 1973
MMJJAI	Mie Medical Journal (Tsu, Japan)
MMWOAU	Muenchener Medizinische Wochenschrift (Munich)
MPCAN*	The Morphological Precrusors of Cancer
MRCSAB	Medical Research Council, Special Report Series (London)

MRLR**	Medical Research Laboratory Reports (Edgewood Arsenal, Md.)
NATUAS	Nature (London)
NATWAY	Naturwissenschaften (Berlin)
NCIBR*	Progress Report for Contract #NIH-NCI-E-68-1311. Submitted to the National Cancer Institute by Bio-Research Consultants, Inc., Cambridge, Massachusetts 02141
NCILB*	Progress Report for Contract #NIH-NCI-E-C-72-3252. Submitted to the National Cancer Institute by Litton Bionetics, Inc., Bethesda, Maryland
NCIMAV	National Cancer Institute, Monograph (Bethesda, Maryland)
NCIMR*	Progress Report for Contract #NIH-71-E-2144. Submitted to the National Cancer Institute by Mason Research Institute, Worcester, Massachusetts
NCINS*	National Cancer Institute (Bethesda, Maryland)
NCISA*	Progress Report for Contract #PH-43-63-1132. Submitted to the National Cancer Institute by Scientific Associates, Inc., St. Louis, Missouri 63123
NCIUS*	Progress Report for Contract #PH-43-64-886. Submitted to the National Cancer Institute by the Institute of Chemical Biology, University of San Francisco, San Francisco, California 94117
NCNSA6	National Academy of Sciences, National Research Council. Chemical - Biological Coordination Center, Review (Washington)
NDKIA2	Annual Report of the Research Institute of Environmental Medicine Nagoya University
NDRC**	National Defense Research Committee, Office of Scientific Research and Development
NEOLA4	Neoplasma (Prague)
NKEZA4	Japanese Journal of Public Health (Tokyo)
NNGZAZ	Japanese Journal of Endocrinology (Kyoto)
NTIS**	National Technical Information Service, Springfield, Va. (Formerly U.S. Clearinghouse for Scientific and Technical Information)
NYKZAU	Folia Pharmacologica Japonica (Kyoto)
ODIZAF	Osaka Daigaku Igaku Zasshi (Osaka) Japanese Edition of MJOUAL
OIBP**	Onol. Inforat., Biul Prilozhenie
ONCOBS	Oncology (Basel)

OYYAA2	Oyo Yakuri (Sendai, Japan)
PAACA3	Proceedings of the American Association of Cancer Research (Philadelphia)
PAREAQ	Pharmacological Reviews (Baltimore)
PAVEAC	Pathologia Veterinaria (Basel)
PCOC**	Pesticide Chemicals Official Compendium, Association of the American Pesticide Control Officials, Inc. Topeka, Kansas (1966)
PDCR**	Perugia, Division Cancer Res., 1962
PEXTAR	Progress in Experimental Tumor Research (Basel/New York)
PGPKA8	Prohlemy Gematologii i Perelivaniia Krovi (English Translation: Problems of Hematology and Blood Transfusion, New York), (Moscow)
PHBS**	Public Health Bulletin
PHJOAV	Pharmaceutical Journal (London)
PHMCAA	Pharmacologist (Washington)
PHREA7	Physiological Reviews (Baltimore/Washington)
PIATA8	Proceedings of the Imperial Academy of Tokyo (Tokyo)
PMSUAR	Pathologia et Microbiologia (Basel)
PNASA6	Proceedings of the National Academy of Sciences of the United States of America (Washington)
PRLBA4	Proceedings of the Royal Society, Series B, Biological Sciences (London)
PSEBAA	Proceedings of the Society for Experimental Biology and Medicine (New York)
PTLCAX	Pathology, Journal of the College of Phathologists of Australia (Sydney)
PTRSAV	Philosophical Transactions of the Royal Society of London (London)
PUOMA5	Proceedings of the University of Otago Medical School (Dunedin New Zealand)
PWPSA8	Proceedings of the Western Pharmacology Society (Seattle)
QJPPAL	Quarterly Journal of Pharmacy and Pharmacology (London)
RADLAX	Radiology (Easton, Pennsylvania)
RAREAE	Radiation Research (New York)

RARSAM	Radiation Research, Supplement (New York)
RBBIAL	Revista Brasileira de Biologia (Rio de Janeiro)
RCBIAS	Revue Canadienne de Biologie (Montreal)
RCHMA2	Revista Chilena de Higiene y Medicina Preventiva (Santiago)
RCWI**	Eldridge W.A. "Report 29, Chemical Warfare, In.', 1929
REEBB3	Revue Europeanne d'Etudes Cliniques et Biologiques (Paris)
RFECAC	Revue Francaise d'Etudes Cliniques et Biologiques (Paris/Montreal)
RMTH**	Reclassification of Materials Listed as Transportation Health Hazards, 1972
RRCRBU	Recent Results in Cancer Research (Berlin)
RREVAH	Residue Reviews (New York/Berlin)
RSABAC	Revista de la Sociedad Argentina de Biologia (Buenos Aires)
SADEAN	Saglik Dergisi (Ankara)
SAKNAH	Soobshcheniia Akademii Nauk Gruzinskoi S.S.R. (Tiflis)
SAMJAF	South African Medical Journal (Cape Town)
SAPHAO	Skandinavisches Archiv fuer Physiologie (Leipzig)
SCCUR*	Shell Chemical Company Unpublished Report, (April 1961)
SCHGA*	Schedliche Gase, Flury, F. and F. Zernik: J. Springer Berlin. 1931
SCIEAS	Science (Washington)
SCJUAD	Science Journal (London)
SCPHA4	Scientia Pharmaceutica (Vienna)
SEMEAS	Semana Medica (Buenos Aires)
SHELL*	Shell Chemical Company, Acute Toxicity Data (New York)
STRAAA	Strahlentherapie (Munich)
STSOAN	Sbornik Nauchnykh Trudov. Severo Osetinskii Gosudars -Vennyi Meditsinskii Institut (Ordzhonikidze. USSR)
TCIA**	Transplacental Carcinogenesis, 1973. Lyon, International Agency for Research on Cancer
TCIS**	Topics in Chemical Carcinogenesis. 2. Intern. Sympos. Princess Takamatsu Cancer Res. Fund., University of Tokyo Press, 1972

THRU**	Toxic Hazards Research Unit, Annual Technical Report Systemed Corp NTIS
TICC**	Abstracts, Tenth International Cancer Congress, 1970, Houston, Texas
TIVSAI	Trudy Vsesoiuznogo Naucho-issledovatel'skogo Instituta Veternarnoi Sanitarii (Tyumen, USSR)
TJADAB	Teratology, A Journal of Abnormal Development (Philadelphia)
TJSGAB	Tijdschrift voor Sociale Geneeskunde (Amsterdam)
TOIZAG	Toho Igakkai Zasski (Journal of Medical Society of Toho University, Japan)
TPMDAB	Terapia Moderna
TPSO**	Trudy Pervogo Syezda Onkologov
TRBMAV	Texas Reports on Biology and Medicine (Galveston)
TUMOAB	Tumori (Milan)
TXAPA9	Toxicology and Applied Pharmacology (New York)
UCDS**	Union Carbide Data Sheet (New York)
UHBUAU	University Hospital Bulletin (Ann Arbor, Michigan)
UICMAI	UICC Monograph Series (Berlin/New York)
URAEP*	University of Rochester, Atomic Energy Project (New York), Contract W-7401-eng-49, Quarterly Technical Report
VAAPB7	Virchows Archiv. Abteilung A. Pathologische Anatomie (Berlin)
VGEMAO	Verhandlungen der Gesellschaft fuer Experimentelle Medizin der Deutschen Demokratischen Republik (Dresden)
VKMGA7	Voprosy Kommunalnoi Gigieny (Kiev)
VOONAW	Voprosy Onkologii, (English Translation: Problems of Oncology, Amsterdam/London/New York), (Leningrad)
VPITAR	Voprosy Pitaniya (Moscow)
VRDEA5	Vrachebnoe Delo (Kiev)
VRRAAT	Vestnik Rentgenologii i Radiologii (Leningrad/Moscow)
VZLIAB	Vojenske Zdravotnicke Listy (Prague)
WRPCA2	World Review of Pest Control (London)
XAESAN	United States Atomic Energy Commission Symposium Series (Washington)

XENO**	Xenobiotica
XPHPAW	United States Department of Health, Education and Welfare, Public Health Service Publication (Washington)
YJBMAU	Yale Journal of Biology and Medicine (New Haven)
YKKZAJ	Journal of the Pharmaceutical Society of Japan (Tokyo)
ZAPPAN	Zentralblatt fuer Allgemeine Pathologie und Pathologische Anatomie (Jena)
ZEKBAI	Zeitschrift fuer Krebsforschung (Berlin)
ZENBAX	Xeitschrift fuer Naturforschung, Ausgabe B. Chemie, Biochemie, Biophysik, Biologie und Verwandten Gebieten (Tubingen, Germany)
ZEPTAT	Zeitschrift fuer Experimentelle Pathologie und Therapie (Berlin)
ZGEMAZ	Zeitschrift fuer die Gesamte Experimentelle Medizin (Heidelberg)
ZGMOBE	Zeitschrift fuer Gerichtliche Medizin (Vienna)
ZIETA2	Zeitschrift fuer Immunitaetrfoss-chung und Experimentelle Therapie (Stuttgart)
12LVR*	Leeuwenhoek-Vereen., 5'eme Conference. Rapports des Travaux (Amsterdam), 1937
12VXA5	The Merck Index: An Encyclopedia of Chemicals and Drugs, Merck & Co., Inc., Rahway, New Jersey
14CYAT	Patty, F.A., Industrial Hygiene and Toxicology, 2 Ed., New York, Interscience 1958-1963
19ZPAF	Beryllium, Its Industrial Hygiene Aspects, 1966
21ACAB	Imifos, Ed: Giller, S.A.Izd, Riga, USSR, 1968
27ZIAQ	Barnes, C.D. & L.G. Eltherington 'Drug Dosages in Laboratory Animals A Handbook.' Berkeley: University of California Press, 1965
27ZQAG	Usdin, E., & D.H. Efron, 'Psychotropic Drugs and Related Compounds 2nd edition, Washington, D.C., 1972
27ZRAJ	Handbook of Toxicology, Vol. I. Acute Toxicities, W.S. Spector, Philadelphia: W.B. Saunders Co., 1956
27ZSAM	Abderhaldon's Handbook
27ZWAY	Heffter's Handbuch der Experimentelle Pharmakologie
27ZKA3	Dreisbach, R.H., 'Handbook of Poisoning: Diagnosis and Treatment. 4th Edition', Lange Medical Publications, Los Altos, Calif., 1963

27ZZAY Sollman, T., "A Manual of Pharmacology and Its Applications to Therapeutics and Toxicology", 8th Edition, Philadelphia: W.B. Saunders, 1957

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29ZWAE Lefaux, R., Practical Toxicology of Plastics, Chemical Rubber Company, Cleveland, Ohio, 1968

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KEY TO ABBREVIATIONS

(Refer to Introduction for Elaboration of Definitions)

ALR — allergenic effects
BCM — blood clotting mechanism effects
bdw — wild bird species
BLD — blood effects
BPR — blood pressure effects
brd — bird (domestic or lab)
C — continuous
C1 — ceiling concentration
CAR — carcinogenic effects
cat — cat
chd — child
ckn — chicken
CNS — central nervous system effects
COR — corrosive effects
ctl — cattle
CRIT DOC — criteria document
CUM — cumulative effects
CVS — cardiovascular effects
D — day
dck — duck
DDP — drug dependence effects
DEF — definition
dog — dog
dom — domestic
EYE — eye effects
frg — frog
GIT — gastrointestinal tract effects
GLN — glandular effects
gm — gram
gpg — guinea pig
grb — gerbil
H — hour
ham — hamster
hmn — human
I — intermittent
ial — intraaural
iat — intraarterial
ice — intracerebral
icv — intracervical
idr — intradermal
idu — intraduodenal
ihl — inhalation
imp — implant
ims — intramuscular
inf — infant
ipc — intraplacental
ipl — intrapleural
ipr — intraperitoneal
irn — intrarenal
IRR — irritant effects
isp — intraspinal
itr — intratracheal
ivg — intravaginal
ivn — intravenous
kg — kilogram (one thousand grams)
LC50 — lethal concentration 50 percent kill
LCLo — lowest published lethal concentration
LD50 — lethal dose 50 percent kill
LDLo — lowest published lethal dose
mam — mammal (species unspecified)
man — man
M — minute
m3 — cubic meter
mg — milligram (one thousandth of a gram; 10^{-3} gm)
mky — monkey
MMI — mucous membrane effects
MSK — musculo-skeletal effects
MTH — mouth effects
mus — mouse
MUT — mutagenic effects
NEO — neoplastic effects
ng — nanogram (one billionth of a gram; 10^{-9} gm)
ocu — ocular
orl — oral
par — parenteral
pg — picogram (one trillionth of a gram; 10^{-12} gm)
pgn — pigeon
pig — pig
Pk — peak concentration
PNS — peripheral nervous system effects
ppb — parts per billion (v/v)
pph — parts per hundred (v/v) (percent)
ppm — parts per million (v/v)
ppt — parts per trillion (v/v)
PUL — pulmonary system effects
qal — quail
rat — rat
RBC — red blood cell effects
rbt — rabbit
rec — rectal
scu — subcutaneous
skn — skin
SKN — skin effects
sql — squirrel
sup — super script
SYS — systemic effects
TCLo — lowest published toxic concentration
TDLo — lowest published toxic dose
TER — teratogenic effects
TFX — toxic effects
TOX REV — toxicology review
trk — turkey
TWA — time weighted average
TXDS — qualifying toxic dose
ug — microgram (one millionth of a gram; 10^{-6} gm)
unk — unreported
UNS — toxic effects unspecified in source
USOS — U.S. Occupational Health Standard
W — week
WBC — white blood cell effects
wmn — woman
Y — year

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15. Supplementary Notes

16. Abstracts The publication is the first of several subfiles to the NIOSH Toxic Substances File. For the purpose of this compilation, agents causing beign or malignant tumors are classed as carcinogens. The objectives of this edition is to list in one place 1) all chemicals identified as having carcinogenic activity as reported in the literature, 2) meet general information needed on potential chemical carcinogens and 3) provide documentation in support of the Suspected 1500 Carcinogens List published by NIOSH in the Federal Register. This compilation should provide ready reference for potential carcinogenicity of chemicals found in the workplace.

17. Key Words and Document Analysis. 17a. Descriptors
Carcinogens, toxicity, tumor, neoplasm, cancer

17b. Identifiers/Open-Ended Terms

17c. COSATI Field/Group

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