

file
TOX Profiles

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY
TOXICOLOGICAL PROFILE INFORMATION SHEET

Fall 1992

PINE STREET
3.9 ATSDR
Other: 463800

The Agency for Toxic Substances and Disease Registry (ATSDR) has been mandated by Congress to produce "toxicological profiles" for hazardous substances found at National Priorities List (NPL) sites. These hazardous substances have been ranked based upon frequency of occurrence at NPL sites, toxicity, and potential for human exposure.

Two hundred and seventy-five substances have been identified in the *Federal Register* on April 17, 1987 (100), October 20, 1988 (100), October 26, 1989 (25), October 17, 1990 (25), and on October 17, 1991 (revised list of 275). The current priority list of 275 hazardous substances was published in the *Federal Register* on October 28, 1992. The development of the *Toxicological Profile* occurs in two stages:

- (1) Initially, the Toxicological Profiles are produced in draft form, and an announcement of the release of these draft profiles for a 90-day public comment period appears in the *Federal Register*. Each draft *Toxicological Profile* is available from ATSDR.
- (2) After the 90-day comment period expires, all comments are considered for incorporation into the documents, and the profiles are finalized and distributed by the National Technical Information Service (NTIS).

ATSDR has also been mandated to provide toxicological profiles to state health and environmental agencies, and make them available to other interested parties. ATSDR has determined the principal audiences for the profiles are health professionals at the federal, state, and local levels; academia; and members of the public involved with Superfund sites. The Division of Toxicology (DT) maintains a mailing list, which is updated and verified yearly, of these persons and distributes to them free copies of both draft and final profiles. The Agency publishes notices in the *Federal Register* announcing the availability of profiles as draft or final versions. For persons not on the mailing list, requests for final profiles must be submitted to NTIS, which distributes the final profiles for a fee. Please refer to the end of this information sheet for more information concerning ATSDR's mailing list policy.

Finalized Toxicological Profiles: Chemical (NTIS Order Number):

| | |
|---|---|
| Acrolein (PB/91/180307/AS) | Chlorobenzene (PB/91/180505/AS) |
| Acrylonitrile (PB/91/180489/AS) | Chlorodibromomethane (PB/91/180323/AS) |
| *Aldrin/Dieldrin (PB/89/214514/AS) | Chloroethane (PB/90/181264/AS) |
| Aluminum (PB/93/110633/AS) | *Chloroform (PB/89/160360/AS) |
| Ammonia (PB/91/180315/AS) | Chloromethane (PB/91/180331/AS) |
| Antimony (PB/93/110641/AS) | *Chromium (PB/89/236665/AS) |
| *Arsenic (PB/89/185706/AS) | Chrysene (PB/90/247644/AS) |
| Asbestos (PB/91/180497/AS) | Cobalt (PB/93/110724/AS) |
| Barium (PB/93/110658/AS) | Copper (PB/91/180513/AS) |
| *Benzene (PB/89/209464/AS) | Creosote (PB/91/180349/AS) |
| Benzidine (PB/90/168204/AS) | Cresols (PB/93/110752/AS) |
| 2,3-Benzofuran (PB/93/110666/AS) | *Cyanide (PB/90/162058/AS) |
| Benzo(a)anthracene (PB/90/247669/AS) | p,p'-DDT, DDE, DDD (PB/90/182171/AS) |
| Benzo(a)pyrene (PB/90/258245/AS) | 3,3'-Dichlorobenzidine (PB/90/171455/AS) |
| Benzo(b)fluoranthene (PB/90/247651/AS) | Di-n-butylphthalate (PB/91/180521/AS) |
| *Beryllium (PB/89/148233/AS) | 2,4- & 2,6-Dinitrotoluene (PB/90/171430/AS) |
| Bis(2-chloroethyl)ether (PB/90/168683/AS) | *Di(2-ethylhexyl)phthalate (PB/89/194484/AS) |
| Bis(chloromethyl)ether (PB/90/168691/AS) | Dibenzo(a,h)anthracene (PB/90/247636/AS) |
| Boron (PB/93/110674/AS) | Dibromochloropropane (PB/93/110906/AS) |
| Bromodichloromethane (PB/90/167461/AS) | 1,2-Dibromoethane (PB/93/110740/AS) |
| Bromoform (PB/91/180323/AS) | *1,4-Dichlorobenzene (PB/89/160352/AS) |
| Bromomethane (PB/93/110682/AS) | 1,1-Dichloroethane (PB/91/180539/AS) |
| 1,3-Butadiene (PB/93/110690/AS) | 1,2-Dichloroethane (PB/90/171422/AS) |
| 2-Butanone (PB/93/110708/AS) | 1,1-Dichloroethene (PB/90/182114/AS) |
| *Cadmium (PB/89/194476/AS) | cis-, trans- 1,2-Dichloroethene (PB/91/180364/AS) |
| Carbon disulfide (PB/93/110716/AS) | 1,2-Dichloropropane (PB/90/182122/AS) |
| Carbon tetrachloride (PB/90/168196/AS) | 1,2-Diphenylhydrazine (PB/91/180356/AS) |
| Chlordane (PB/90/168709/AS) | Endrin/Endrin aldehyde (PB/91/180547/AS) |

SDMS DocID 463800



Ethylbenzene (PB/91/180372/AS)
 Ethylene oxide (PB/91/180554/AS)
 2,4-Dichlorophenol (PB/93/110757/AS)
 1,3-Dichloropropene (PB/93/110765/AS)
 *Heptachlor/Heptachlor epoxide (PB/89/194492/AS)
 Hexachlorobenzene (PB/91/180380/AS)
 Hexachlorocyclohexane (PB/90/171406/AS)
 2-Hexanone (PB/93/110713/AS)
 Isophorone (PB/90/180225/AS)
 *Lead (PB/90/267378/AS)
 Manganese (PB/93/110781/AS)
 Mercury (PB/90/181256/AS)
 Methyl mercaptan (PB/93/110799/AS)
 Methyl parathion (PB/93/110807/AS)
 *Methylene chloride (PB/89/194468/AS)
 2-Methylnaphthalene (PB/91/180562/AS)
 Mustard gas (PB/93/110815/AS)
 N-Nitrosodimethylamine (PB/90/182130/AS)
 N-Nitrosodi-n-propylamine (PB/90/180258/AS)
 *N-Nitrosodiphenylamine (PB/89/154090/AS)
 Naphthalene (PB/91/180562/AS)
 *Nickel (PB/89/160378/AS)
 Nitrobenzene (PB/91/180398/AS)
 Nitrophenol (PB/93/110823/AS)
 Pentachlorophenol (PB/90/182163/AS)
 Phenol (PB/90/181249/AS)
 Plutonium (PB/91/180406/AS)
 *Polychlorinated biphenyls: (PB/89/225403/AS)
 Aroclor-1260, -1254, -1248, -1242,
 -1232, -1221, and -1016

Polycyclic aromatic hydrocarbons: (PB/91/181537/AS)
 Acenaphthene, Acenaphthylene, Anthracene,
 Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene,
 Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene,
 Dibenzo(a,h)anthracene, Fluoranthene, Fluorene,
 Indeno(1,2,3-cd)pyrene, Phenanthrene, Pyrene
 Pyridine (PB/93/110831/AS)
 Radium (PB/91/180414/AS)
 Radon (PB/91/180422/AS)
 Selenium (PB/90/182155/AS)
 Silver (PB/91/180430/AS)
 Styrene (PB/93/110849/AS)
 2,3,7,8-Tetrachlorodibenzo-p-dioxin (PB/89/214522/AS)
 1,1,2,2-Tetrachloroethane (PB/90/182148/AS)
 *Tetrachloroethylene (PB/90/247628/AS)
 Thallium (PB/93/110856/AS)
 Thorium (PB/91/180448/AS)
 Tin (PB/93/110864/AS)
 Toluene (PB/90/198904/AS)
 Toxaphene (PB/91/180455/AS)
 1,1,1-Trichloroethane (PB/91/180463/AS)
 1,1,2-Trichloroethane (PB/90/196411/AS)
 *Trichloroethylene (PB/90/127523/AS)
 2,4,6-Trichlorophenol (PB/91/181545/AS)
 1,2,3-Trichloropropane (PB/93/110872/AS)
 Uranium (PB/91/180471/AS)
 Vanadium (PB/93/110880/AS)
 Vinyl acetate (PB/93/110898/AS)
 *Vinyl chloride (PB/90/103870/AS)
 Total Xylenes (PB/91/181552/AS)
 Zinc (PB/90/171414/AS)

* Denotes an there is an updated profile (containing more recent information) available in October 1991 as draft for public comment. See page one of this notice.

NTIS is responsible for the distribution of finalized Toxicological Profiles. There is a charge, determined by the NTIS, for these profiles. Further ordering information on a *Toxicological Profile* listed above may be obtained by writing or calling --

National Technical Information Service
 5285 Port Royal Road
 Springfield, Virginia 22161
 (800) 553-6847 or (703) 487-4650

CERCLA Toxicological Profiles Available now as "Draft for Public Comment":

| | | |
|-------------------------------|---------------------------------|----------------------------|
| Acetone | 1,2-Dichloroethane (UPDATE) | Mercury (UPDATE) |
| Carbon Tetrachloride (UPDATE) | 1,1-Dichloroethene (UPDATE) | Methoxychlor |
| Chlordane (UPDATE) | Hexachlorobutadiene | Pentachlorophenol (UPDATE) |
| Chlorodibenzofurans | Hexachlorocyclohexanes (UPDATE) | Toluene (UPDATE) |
| 4,4'-DDD,DDE,DDT (UPDATE) | MBOCA | Zinc (UPDATE) |

The availability of each draft *Toxicological Profile* listed directly above was announced in the October 8, 1992 *Federal Register*. The public comment period expires February 18, 1993.

Update Toxicological Profiles Available as Draft for Public Comment in October 1991:

| | |
|-------------------------------|---------------------------|
| Aldrin/Dieldrin | Arsenic |
| Benzene | Beryllium |
| Cadmium | Chloroform |
| Chromium | Cyanide |
| 1,4-Dichlorobenzene | Di(2-ethylhexyl)phthalate |
| Heptachlor/Heptachlor epoxide | Lead |
| Methylene chloride | Nickel |
| N-nitrosodiphenylamine | Polychlorinated biphenyls |
| Tetrachloroethylene | Trichloroethylene |
| Vinyl chloride | |

ATSDR's Congressional mandate requires that the Toxicological Profiles be updated every three years. The draft Toxicological Profiles listed above are updated versions of chemicals profiled in 1988. These more recent versions of previously finalized profiles are available as draft for public comment versions at no charge. The public comment period ended February 18, 1992. However, draft profiles are still available until the supply is exhausted. Requests must be submitted in writing to ..

Division of Toxicology
Agency for Toxic Substances and Disease Registry
1600 Clifton Road NE, Mail Stop E-29
Atlanta, Georgia 30333

ATSDR TOXICOLOGICAL PROFILES CURRENTLY UNDER DEVELOPMENT**US Department of Defense Toxicological Profiles Available as "Draft for Public Comment" in February 1993:**

| | | |
|--------------------------------|--------------------------|------------------------------------|
| Diethyl phthalate | Jet Fuels -- JP-4 & JP-7 | Tetryl |
| Ethylene and propylene glycols | Otto fuel II | Trinitrobenzene/1,3-Dinitrobenzene |
| Fuel Oils | RDX | Trinitrotoluene |
| Gasoline | Stoddard solvent | |

The US Department of Defense (DOD) has asked ATSDR to develop Toxicological Profiles on the above substances found at DOD sites. It is anticipated that future DOD substances will be profiled by ATSDR as well.

*** ATSDR'S TOXICOLOGICAL PROFILE MAILING LIST POLICY ***

Because of resource limitations, all persons interested in being considered for the DT mailing list for final profiles must fall into one of the following categories: Health professionals at the federal, state, and local levels; academia; or nonprofit/environmental groups. Parties with special needs for the profiles will be considered on a case-by-case basis.

When requesting to be placed on the mailing list for Toxicological Profiles, please submit a written justification for inclusion on the mailing list and note why such inclusion is in the best interest of the general public. ATSDR will consider all requests; those persons added to the mailing list will be notified. All others will be referred to the National Technical Information Service or other distribution networks.

These procedures as established will apply to all persons requesting to be included on the Agency mailing list.

DEPARTMENT OF HEALTH AND HUMAN SERVICES
U.S. PUBLIC HEALTH SERVICE
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY
DIVISION OF TOXICOLOGY
1600 CLIFTON ROAD N.E., MAIL STOP E-29
ATLANTA, GEORGIA 30333
(404) 639-6300 FAX: (404) 639-6315

ATSDR **TOXINFO** LINE 24 HOURS-A-DAY
(404) 639-6000