Article Abstract

Student Paper: Evaluating the Options: Recycling Hydrofluoric Acid

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A substance commonly used in the semiconductor industry because of its unique abilit hydrofluoric acid (HF). Hydrofluoric acid, by volume, is one of the largest Resource Co Recovery Act (RCRA) regulated hazardous waste streams generated by the semicond find out if a method exists today to reduce the amount of HF waste being disposed, a s conducted of the semiconductor industry to see what options currently exist for recyclir the survey were to uncover the current techniques used by the semiconductor industry determine the most cost effective method for recycling HF, and also to learn the advan disadvantages of recycling HF. According to the results of the survey, the most commc recycling HF for the semiconductor industry involves the precipitation and flocculation c (CaF2). The CaF2 filter cake can be sold to another industry to be used in that industry method along with the crystallization method and the ion exchange method are discuss