HYDRAULIC FLUIDS 315

## 7. REGULATIONS AND ADVISORIES

The national regulations and guidelines regarding hydraulic fluids in air, water, and other media are summarized in Table 7-1.

ATSDR has not derived any Minimal Risk Levels for hydraulic fluids.

Regulations found for mineral oils include the OSHA occupational exposure limit for mineral oil mists of 5 mg/m<sup>3</sup> (OSHA 1974).

The only regulations found for organophosphate ester hydraulic fluids were for aryl phosphates. Two proposed rules for aryl phosphates address 1) exclusion from hazardous waste regulations and 2) additional testing, recordkeeping, and reporting under the Toxic Substances Control Act (TSCA).

## 7. REGULATIONS AND ADVISORIES

Table 7-1. Regulations and Guidelines Applicable to Hydraulic Fluids

Agency	Description	Information	References
INTERNATIONAL			
Guidelines:			
WHO	No information available		
<u>NATIONAL</u>			
Regulations:			
a. Air: OSHA	Mineral oil mists: TWA (8-hour) Petroleum distillates: TWA (8-hour)	5 mg/m³ 2,000 mg/m³	29 FR 1910.1000 OSHA 197 <b>4</b>
Guidelines:			
a. Air: NIOSH	Mineral oil mists: TWA STEL Petroleum distillates: TWA Ceiling,15min	5 mg/m³ 10 mg/m³ 350 mg/m³ 1,800 mg/m³	NIOSH 1992
EPA	Designated conventional pollutant (oil and grease)	Yes	40 CFR 401.16 EPA 1979b
b. Other: EPA/OSW	Identification and Listing of Hazardous Waste-Excluded Wastes from Non-Specific sources (proposed) (tributyl phosphates)	Yes	40 CFR 261, App. IX 60 FR 6054 EPA 1995
EPA/OPPT	Test Rule Including Reporting and Recordkeeping (proposed) (aryl phosphates)	Yes	40 CFR 704 and 799 57 FR 2138 EPA 1992
USCG	Obsolete Bulk Hazardous Materials (advanced notice of proposed rule) (oil, mineral)	Yes	46 CFR 150 59 FR 45150 USCG 1994
<u>STATE</u>			
Regulations and Guidelines:			
a. Other: California	Designated hazardous waste (eligible for recycling by reclaimer of petroleum products)	Yes	CELDS 1992

EPA = Environmental Protection Agency; NIOSH = National Institute for Occupational Safety and Health; OPPT = Office of Pollution Prevention and Toxics; OSHA = Occupational Safety and Health Administration; OSW = Office of Solid Waste; STEL = Short Term Exposure Limit; TWA = Time-Weighted Average; USCG = U.S. Coast Guard