

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Admin. (Non-Mandatory Form) Form Approved OMB No. 1218-0072

IDENTITY (As used on Label and List)
HYDRAULIC FLUID 2934-35-04
Grade 4 - ISO VG 46

NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

SECTION I

Table with manufacturer information: Manufacturer's Name (HYDRO SAFE OIL DIVISION, INC.), Address (1500 Kendale Blvd., Ste. 301, East Lansing, MI 48823), Emergency Telephone Number (800-500-5058), Telephone Number for Information (800-500-5058), Date Prepared (December 14, 2001), Signature of Preparer (optional).

SECTION II - Hazardous Ingredients/Identity Information

Table with hazardous components: Mineral Oil (CAS No. 64741-88-4), OSHA PEL (5 mg/m3 as oil mist), ACGIH TLV (5 mg/m3 as oil mist), Other Limits Recommended (10 mg/m3 STEL - mists), % (optional) (1-2).

See Section VI for additional health hazard information.

N/E - Not Established

All of the components in this product are on the TSCA inventory.

This product contains no substance reportable under the regulations of SARA Title III Section 313 and 40 CFR Part 372.

SECTION III - Physical/Chemical Characteristics

Table with physical/chemical characteristics: Boiling Point (> 350° F), Vapor Pressure (Less than 1), Vapor Density (Greater than 1), Solubility in Water (Insoluble), Appearance and Odor (Clear amber liquid; bland odor).

SECTION IV - Fire and Explosion Hazard Data

Table with fire and explosion hazard data: Flash Point (268° C / 514° F (COC)), Flammable Limits (LEL N/D, UEL N/D), Extinguishing Media (Use carbon dioxide, dry chemical or foam.), Special Fire Fighting Procedures (None), Unusual Fire and Explosion Hazards (None), HMIS (Health - 1, Flammability - 1, Reactivity - 0), NFPA (Health - 1, Flammability - 1, Reactivity - 0).

HYDRAULIC FLUID MIL-PRF-32073 Grade 4 - ISO VG 46

SECTION V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	N/A

Incompatibility (*Materials to Avoid*) Strong oxidizers

Hazardous Decomposition or Byproducts Thermal; oxides of carbon

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	N/A

SECTION VI - Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Possible Possible Unlikely

Health Hazards (*Acute and Chronic*)

INHALATION – Breathing mists may irritate upper respiratory tract. See Section II for applicable exposure limits.

EYE - May cause mild irritation.

SKIN - May cause irritation on prolonged or repeated contact.

INGESTION - No significant effects known.

CHRONIC EFFECTS: Unknown

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

No No No

Signs and Symptoms of Exposure See Health Hazards above.

Medical Conditions
Generally Aggravated by Exposure Pre-existing skin and respiratory conditions may be aggravated by exposure.

Emergency and First Aid Procedures
INHALATION - Remove to source of fresh air.

EYE - Flush with water 15 minutes. Consult physician if irritation persists.

SKIN - Wash with soap and water. Remove contaminated clothing and launder before reusing.

INGESTION – Do not induce vomiting. Consult physician.

SECTION VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
Apply dry absorbent material and sweep up.

CERCLA Reportable Quantity - None

Waste Disposal Method
Follow pertinent regulations for disposal.

RCRA Hazardous Waste Number - N/A.

Precautions to Be Taken in Handling and Storing
Avoid contact with eyes, skin and clothing. Keep away from strong oxidizers.

Wash thoroughly after handling. Use with adequate ventilation.

Other Precautions
Keep containers closed when not in use.

SECTION VIII - Control Measures

Respiratory Protection (*Specify Type*) Required if the exposure limits in Section II are exceeded.

Ventilation	Local Exhaust Preferred if misting occurs.	Special N/A
	Mechanical (<i>General</i>) Adequate for general use.	Other N/A

Protective Gloves Eye Protection
Rubber Safety goggles or safety glasses with side shields.

Other Protective Clothing or Equipment Eye wash and safety shower recommended.

Work/ Hygienic Practices Standard hygienic work practices are satisfactory. **2934-35-04**