

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 MIL-PRF-32073**  
**ISO VG 68 Grade 5**

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**

Manufacturer's Name <b>HYDRO SAFE OIL DIVISION, INC.</b>	Emergency Telephone Number (8 AM to 4 PM EST) <b>800-500-5058</b>
Address (Number, Street, City, State, and ZIP Code) <b>13626 Pearwood Drive</b>	Telephone Number for Information <b>800-500-5058</b>
<b>Dewitt, MI 48820</b>	Date Prepared <b>September 25, 2005</b>
Signature of Preparer (optional)	

**SECTION II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name)	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Mineral Oil (CAS No. 64741-88-4)	5 mg/m <sup>3</sup> as oil mist	5 mg/m <sup>3</sup> as oil mist	10 mg/m <sup>3</sup> STEL - mists	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**

Boiling Point	> 350° F	Specific Gravity	0.920
Vapor Pressure (mm Hg)	Less than 1	Melting Point	N/D
Vapor Density (AIR = 1)	Greater than 1	Evaporation Rate (Butyl Acetate = 1)	Less than 1
Solubility in Water	Insoluble	pH	Not applicable
Appearance and Odor	Clear amber liquid; bland odor		

**SECTION IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) <b>272° C / 522° F (COC)</b>	Flammable Limits	LEL <b>N/D</b>	UEL <b>N/D</b>
Extinguishing Media	Use carbon dioxide, dry chemical or foam.		
Special Fire Fighting Procedures	None		
Unusual Fire and Explosion Hazards	None		
<b>HMIS:</b>	Health - 1,	Flammability - 1,	Reactivity - 0
<b>NFPA:</b>	Health - 1,	Flammability - 1,	Reactivity - 0
			Personal Protection - B Special - None

**Hydraulic Fluid MIL-PRF-32073 ISO VG 68 Grade 5**

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

Protective Gloves	Rubber	Eye Protection
		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.