



SAFETY DATA SHEET

Safety Hydraulic Oil

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Safety Hydraulic Oil
SUPPLIER: Commercial Oil Company
P (905) 560-3244
F (905) 560-2961
35 Burford Road
Hamilton, Ontario
L8E 3C6

WHMIS: Not a controlled product

Product and SDS Information: 1-800-463-1976

SECTION 2. HAZARDS IDENTIFICATION

Route of Entry: Skin [X] Eyes [X] Inhalation [X] Ingestion [X]

EFFECTS OF ACUTE EXPOSURE: Swallowing: Moderately high toxicity. May cause pain or discomfort in the abdomen, pain in the lumbar region, nausea, vomiting, dizziness, decreased urine production, malaise, and loss of consciousness. Severe kidney damage may occur which can be fatal if not promptly and adequately treated. Liver injury can occur. Inhalation: Short-term harmful health effects are not expected from vapour generated at ambient temperature. Vapour or mist from heated material may cause nausea and headache. Skin contact: Brief contact is not irritating. Prolonged contact causes mild to moderate local redness and swelling. Eye contact: Causes moderate to severe irritation, experienced as discomfort or pain, excess blinking and tear production, with marked excess redness and swelling of the conjunctiva. Vapour may cause temporary disturbance of vision.

EFFECTS OF CHRONIC EXPOSURE: Inhalation of mist may produce headache, nausea, and dizziness. Vapours generated at high temperatures may result in eye and respiratory tract irritation, dizziness, nausea and the inhalation of harmful amounts of material. Short-term repeated ingestion might produce renal failure.

LD 50 - (Oral): NA

Exposure limits: 20 ppm TWA-skin (morpholine)

LD 50 - (Dermal): NA

Irritancy of Product: moderate

LC 50 - (Inhalation): NA

Sensitization: Non Sensitizer

Mutagenicity: None Known

Reproductive Toxicity: None Known

Carcinogenicity: Non Carcinogenic

Teratogenicity: Non Teratogenic

Synergistic Products: Nitrites

Additional Information: This product contains amines. Do not add nitrites due to the possible formation of nitrosamines. Potential carcinogens.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Naphthenic distillate and additives.

The following components are defined in accordance with sub-paragraph 13(a) (i) to (iv) or paragraph 14(a) of the Hazardous Products Act:

% Hazardous Ingredients	UN/CAS #	LC 50	LD 50-Oral (Rats)	LD 50-Dermal (Rabbits)
<5.0 *Morpholine	110-91-8	8000 ppm (8hr)	1050 mg/kg	500 mg/kg
<1.5 *Carboxylic Acid	N/A		Not Determined	
<65.0 Diethylene Glycol	111-46-6		12.6 g/kg	11.9 g/kg
Non Hazardous Ingredients	Mixture			

*Controlled under WHMIS

SECTION 4. FIRST AID MEASURES

INHALATION: Remove victim to fresh air. Provide CPR and oxygen, if necessary.

EYE CONTACT: Flush eyes with water for 15 minutes. Seek medical advice if irritation develops.

SKIN CONTACT: Wash with plenty of soap and water. Seek medical advice if irritation develops. Remove contaminated clothing (including shoes) and launder before reuse. If irritation persists, seek medical attention.

INGESTION: If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention

SECTION 5. FIRE-FIGHTING MEASURES

Flashpoint and method: None

Auto ignition: NA Flammable Limits: LEL NA UEL: NA

This product is considered non-combustible due to its high water content

GENERAL HAZARDS: Sensitivity to static discharge - None
Sensitivity to impact - None

FIRE FIGHTING: Use water spray to cool fire exposed surfaces and as a protective screen

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as required to appropriate Provincial and Federal authorities. In particular, immediate reporting is required for all spills that could reach any waterway, including wetlands and intermittent dry creeks.

LAND SPILL: Eliminate source of ignition. Keep public away. Prevent additional discharge of material; if possible do so without hazard. Prevent spills from entering sewer watercourses or low areas. Contain spilled liquid with sand or earth. Recover by pumping or using a suitable absorbent. Consult an expert on disposal of recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations. Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse affects of the spill.

WATER SPILL: Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in unconfined waters. Consult an expert on disposal of recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations. Notify the appropriate authorities immediately. Take all action necessary to prevent and remedy the adverse affects of the spill.

PERSONAL PRECAUTIONS: See Section 8

SECTION 7. HANDLING AND STORAGE

HANDLING STORAGE AND SHIPPING: Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTION: Avoid contact with skin and eyes. Wear goggles or face shield and impervious gloves when handling. Remove clothing that has been in contact with this product and wash thoroughly before reuse.

SKIN PROTECTION: Wear impervious gloves when handling.

EXPOSURE LIMITS: Use with adequate ventilation and keep airborne concentrations within the recommended limits.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Viscosity: 44 cSt at 40°C
Boiling Point (C) : >100
ph: 9.1

Evaporation Rate: Slow
Specific Gravity: 1.08
Freezing Point (C-) : <-50
Appearance: Clear Red Colour/Amine odor

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Warning. Do not mix this product with nitrites or nitrosating agents because nitrosamines may be formed, which may cause cancer.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: Strong oxidizing agents, acids, halogenated organic solvents

HAZARDOUS DECOMPOSITION: Decomposition products are highly dependent on the combustion conditions.

Significant concentrations of hazardous decomposition products are not expected..

SECTION 11. TOXICOLOGICAL DATA

ORAL TOXICITY

Low acute toxicity. Distillates (petroleum), hydro treated heavy naphthenic: Oral: LD50 (rat)

DERMAL TOXICITY

Repeated exposure may cause skin dryness or cracking.

INHALATION TOXICITY

Negligible hazard at normal temperatures (up to 38 deg C). Elevated temperatures or mechanical action may form vapours, mists or fumes, which may be irritating to the eyes, nose, throat and lungs. Avoid breathing vapours or mists.

EYE IRRITATION

Slightly irritating but will not injure eye tissue

SKIN IRRITATION

Practically non-irritating. (Primary Irritation index: greater than 0.5 but less than 3). Based on testing of similar products and/or the components.

SECTION 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: Dangerous for the environment if discharged into watercourses.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: The product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

SECTION 14. TRANSPORT INFORMATION

PRODUCT LABEL ... Safety Hydraulic Oil

SHIPPING NAME.....Not Regulated by DOT

SECTION 15. REGULATORY INFORMATION

No information available.

SECTION 16. PREPARATION

USE: Fire Resistant Hydraulic Fluid

COMMERCIAL OIL COMPANY
Hamilton, Ontario

Date: Feb. 17, 2016
Prepared by: Operations

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of Commercial Oil Company's knowledge; however, the Commercial Oil Company makes no warranty whatsoever, expressed or implied, and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation and verification.