



# SAFETY DATA SHEET

Safety Hydraulic Fluid HP 46

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Safety Hydraulic Fluid HP 46  
**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 #	LD 50-Oral (Rats)	LD 50-Dermal (Rabbits)
<3.0 Additives	N/A		
<40.0 Water	7732-18-5		
<55.0 Diethylene Glycol	111-46-6	12565 mg/kg	11890 mg/kg
<15.0 Polyalkylene Glycol	N/A		

## 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  
**odor**

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

## 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 Fluid HP 46

**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

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