



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

Product Name: Tractor Hydraulic Fluid
Tractor Hydraulic Fluid R
Tractor Hydraulic (summer & Winter)

Product Class: Lubricant

WHMIS Classification: Not Controlled.

Supplier Name and Address: Irving Oil Limited
P.O. Box 1421
Saint John, N.B.
E2L 4K1

Phone: (506) 632-2000
Emergency: (506) 648-3060

SECTION 2 - HAZARDOUS INGREDIENTS OF MATERIALS

<u>Hazardous Ingredients</u>	<u>CAS#</u>	<u>wt%</u>	<u>ACGIH-TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
None			5 mg/m ³ (oil mist)		

SECTION 3 - PHYSICAL DATA AND CHEMICAL PROPERTIES

Form: Liquid

Colour: Light brown, (Tractor hyd"R" red)

Odour: Petroleum

Specific Gravity @ 15°C: 0.86

Solubility: Negligible

Vapour Pressure (mm @ 20°C): < 0.10

SECTION 4 - FIRE AND EXPLOSION HAZARD

Flammability: Yes No

Flash Point : 212°C (COC)

Conditions: Open flame above flash point.

Upper Flammable Limit: Not established.

Auto Ignition Temperature: Not determined.

Sensitivity to Impact: None.

Lower Flammable Limit: Not established.

TDG Flammability Classification: Not classified.

Sensitivity to Static Discharge: None.

Means of Extinction: Dry chemical, water spray (fog), foam or carbon dioxide.

Hazardous Combustion Products: Hydrogen sulphide and oxides of carbon, nitrogen, sulphur and phosphorus.

Special Procedures: Water foam may cause frothing. Use water to cool exposed containers. Use self-contained breathing apparatus for fire fighting.

SECTION 5 - REACTIVITY DATA

Stability: This product is stable.

Hazardous Polymerisation: Will not occur.

Conditions to avoid: Extremely high temperatures.

Incompatibility with other substances: Strong oxidising agents.

Hazardous decomposition products: Thermal decomposition from high temperature or combustion will produce hydrogen sulphide and oxides of carbon, nitrogen, sulphur and phosphorus.

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SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye Skin Contact Skin Absorption Inhalation Ingestion

Effects of Acute Exposure: Irritation to skin and eyes. Inhalation of hot oil mist or vapours may irritate the upper respiratory tract.
Effects of Chronic Exposure: Repeated or prolonged exposure may cause dermatitis and/or oil acne. Long-term intensive exposure to oil mist may cause benign lung fibrosis. No specific toxicity data but extrapolation from similar materials indicates that this product has low oral toxicity.

Exposure Limits:	5 mg/m ³ (oil mist)	Carcinogenicity:	Not determined.
Reproductive Toxicity:	Not determined.	Teratogenicity:	Not determined.
Irritancy of Product:	Slight.	Mutagenicity:	Not determined.

SECTION 7 - PREVENTATIVE AND CORRECTIVE MEASURES

Personal Protective Equipment:

<i>Gloves:</i>	Oil/Chemical resistant.
<i>Eye:</i>	Chemical safety glasses or full face shield.
<i>Respiratory:</i>	NOISH respirator if mist levels are high.
<i>Footwear:</i>	Oil/Chemical resistant.
<i>Clothing:</i>	Oil/Chemical resistant if repeated exposure to skin and clothing occurs.
<i>Other:</i>	

Engineering Controls: Local exhaust at source of heated vapours.

Leak and Spill Procedure: Contain spills with dikes or absorbent material. Eliminate fire hazards. Prevent from entering sewers or water courses. Vacuum liquid or transfer absorbed material into containers. Advise authorities.

Waste Disposal: Follow local and governmental regulations. Not regulated as a hazardous waste.

Storage Requirements: Cool, dry location. Keep containers closed.

Special Shipping Information: No special requirements.

SECTION 8 - FIRST AID MEASURES

Inhalation: Remove to fresh air or give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

Ingestion: Do not induce vomiting, give two glasses of water and seek medical attention.

Eye: Flush with water for 15 minutes.

Skin: Wash contaminated area with soap and water. Clean contaminated clothing before wearing again.

General Advice: High pressure injection under skin can be serious and requires urgent medical attention.

SECTION 9 - PREPARATION DATE OF MSDS

MSDS Prepared by:	Irving Lubricants	Phone:	(506) 632-7000
MSDS Date:	February 14, 2007		
Revision	02		

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