



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

**Product Name:** Hydraulic (All)  
Hydraulic LP (All)  
**Product Class:** Lubricant  
**WHMIS Classification:** Not Controlled.

**Supplier Name and Address:** Irving Oil  
10 Sydney Street  
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>LC<sub>50</sub></u>	<u>LD<sub>50</sub></u>
None			5 mg/m <sup>3</sup> (oil mist)		

## SECTION 3 - PHYSICAL DATA AND CHEMICAL PROPERTIES

**Form:** Liquid  
**Colour:** Yellow (also dyed red or blue)  
**Odour:** Petroleum  
**Specific Gravity @ 15°C:** 0.86 - 0.88  
**Solubility:** Negligible

**Vapour Pressure (mm @ 20°C):** < 0.10  
**Volatile (wt%):** 0

## SECTION 4 - FIRE AND EXPLOSION HAZARD

**Flammability:**  Yes  No  
**Flash Point :** > 194°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.

## 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<sup>3</sup> (oil mist)  
**Reproductive Toxicity:** Not determined.  
**Irritancy of Product:** Slight.

**Carcinogenicity:** Not determined.  
**Teratogenicity:** Not determined.  
**Mutagenicity:** Not determined.



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## SECTION 7 - PREVENTATIVE AND CORRECTIVE MEASURES

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<b>Personal Protective Equipment:</b>	<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>
<b>Engineering Controls:</b>	Local exhaust at source of heated vapours.
<b>Leak and Spill Procedure:</b>	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.
<b>Waste Disposal:</b>	Follow local and governmental regulations. Not regulated as a hazardous waste.
<b>Storage Requirements</b>	Cool, dry location. Keep containers closed.
<b>Special Shipping Information:</b>	No special requirements.

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## SECTION 8 - FIRST AID MEASURES

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<b>Inhalation:</b>	Remove to fresh air or give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.
<b>Ingestion:</b>	Do not induce vomiting, give two glasses of water and seek medical attention.
<b>Eye:</b>	Flush with water for 15 minutes.
<b>Skin:</b>	Wash contaminated area with soap and water. Clean contaminated clothing before wearing again.
<b>General Advice:</b>	High pressure injection under skin can be serious and requires urgent medical attention.

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## SECTION 9 - PREPARATION DATE OF MSDS

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