



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

Product Name: Rockdrill (All)
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	Vapour Pressure (mm @ 20°C):	< 0.10
Colour:	Yellow (also dyed red)	Volatile (wt%):	0
Odour:	Petroleum		
Specific Gravity @ 15°C:	0.86 - 0.88		
Solubility:	Negligible		

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.	Lower Flammable Limit:	Not established.
Auto Ignition Temperature:	Not determined.	TDG Flammability Classification:	Not classified.
Sensitivity to Impact:	None.	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 ³ (oil mist)	Carcinogenicity:	Not determined.
Reproductive Toxicity:	Not determined.	Teratogenicity:	Not determined.
Irritancy of Product:	Slight.	Mutagenicity:	Not determined.

The information contained in this form is based on data from sources considered to be reliable but Irving Oil Limited does not guarantee the accuracy or completeness thereof. The information is provided as a service to the persons purchasing or using the material to which it refers and Irving Oil Limited expressly disclaims all liability for loss or damage including consequential loss or for injury to persons including death. The information shall not be reproduced, published or distributed in any manner without prior consent in writing of Irving Oil Limited



MATERIAL SAFETY DATA SHEET

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		

The information contained in this form is based on data from sources considered to be reliable but Irving Oil Limited does not guarantee the accuracy or completeness thereof. The information is provided as a service to the persons purchasing or using the material to which it refers and Irving Oil Limited expressly disclaims all liability for loss or damage including consequential loss or for injury to persons including death. The information shall not be reproduced, published or distributed in any manner without prior consent in writing of Irving Oil Limited