



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

**Product Name:** Cutting Oil HD  
**Product Class:** Petroleum Metal Working Fluid.  
**WHMIS Classification:** Not Controlled

**Supplier Name and Address:** Irving Blending & Packaging  
PO Box 1169  
Saint John, N.B.  
E2L 4E6

**Phone:** 1 800-574-5823  
**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)		Oral: > 5 g/kg (Rat) Dermal: > 3.16 g/kg (Rabbit)

## SECTION 3 - PHYSICAL DATA AND CHEMICAL PROPERTIES

<b>Form:</b>	Liquid	<b>Boiling Point by ASTM D 2887:</b>	IBP Approximately 310°C
<b>Colour:</b>	Black	<b>Vapour Pressure:</b>	< 1 kPa @ 38°C
<b>Odour:</b>	Petroleum Odour	<b>Vapour Density (Air = 1):</b>	> 5
<b>Specific Gravity @ 15°C:</b>	0.9	<b>% Volatile:</b>	Negligible.
<b>Solubility in Water(@ 1 atm, 25°C):</b>	Negligible; < 0.1%.	<b>Pour, Congealing or Melting Point (°C):</b>	-9
<b>Viscosity (cSt @ 40°C):</b>	42.5	<b>pH:</b>	Essentially neutral.

## SECTION 4 - FIRE AND EXPLOSION HAZARD

**Flammability:**  Yes  No  
**Flash Point :** 160°C (COC)

**Conditions:** Open flame above flash point.

**Upper Flammable Limit:** 7.0% (estimated)  
**Auto Ignition Temperature:** > 330°C  
**Sensitivity to Impact:** Not established.

**Lower Flammable Limit:** 0.9% (estimated)  
**TDG Flammability Classification:** Not classified.  
**Sensitivity to Static Discharge:** Not established.

**Means of Extinction:** Water fog, Carbon dioxide, dry chemical, or foam.  
**Hazardous Combustion Products:** Fumes, smoke, carbon monoxide, sulphur oxides, hydrogen sulphide, metal oxides.  
**Special Procedures:** Wear self-contained breathing apparatus when fighting fire. Use water to cool fire-exposed containers.

## SECTION 5 - REACTIVITY DATA

**Stability:** This product is stable.  
**Hazardous Polymerisation:** Will not occur.  
**Conditions to avoid:** Excessive heat or open flame.  
**Incompatibility with other substances:** Strong oxidising agents.  
**Hazardous decomposition products:** Not determined.

## SECTION 6 - TOXICOLOGICAL PROPERTIES

**Route of Entry:**  Eye  Skin Contact  Skin Absorption  Inhalation  Ingestion

**Effects of Acute Exposure:** May cause mild eye and skin irritation. Ingestion may cause gastrointestinal irritation. Product has low order of acute toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

**Effects of Chronic Exposure:** Prolonged and repeated skin contact may cause skin irritation or dermatitis.

**Exposure Limits:** 5 mg/m<sup>3</sup> (Oil mist)  
**Reproductive Toxicity:** Not determined.  
**Irritancy of Product:** Not determined.

**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>	Use supplied-air respiratory protection in confined or enclosed spaces, if needed.
	<i>Footwear:</i>	No special requirements under normal conditions.
	<i>Clothing:</i>	No special requirements under normal conditions.
	<i>Other:</i>	
<b>Engineering Controls:</b>	Use local exhaust when vapours exceed exposure limits.	
<b>Leak and Spill Procedure:</b>	Contain spills with dikes or absorbent material. Eliminate fire hazards. Prevent from entering sewers or water courses. Pick up free liquid for recycle and/or disposal. Absorb residual liquid and transfer absorbed material into containers.	
<b>Waste Disposal:</b>	Consult local authorities.	
<b>Storage Requirements</b>	Keep container closed, in a cool, dry area.	
<b>Special Shipping Information:</b>	None.	

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## SECTION 8 - FIRST AID MEASURES

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<b>Inhalation:</b>	If affected, remove to fresh air immediately. If breathing has stopped administer artificial respiration, seek medical attention.
<b>Ingestion:</b>	Do not induce vomiting, give 2 glasses of water or milk, seek medical attention.
<b>Eye:</b>	Flush with water for 15 minutes.
<b>Skin:</b>	Clean area exposed with soap and water.
<b>General Advice:</b>	

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## SECTION 9 - PREPARATION DATE OF MSDS

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<b>MSDS Prepared by:</b>	Irving Blending & Packaging	<b>Phone:</b>	800-574-5823
<b>MSDS Date:</b>	April 8, 2013		
<b>Revision</b>	03		