



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

**Product Name:** Star C (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>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

<b>Form:</b>	Liquid	<b>Vapour Pressure(mmHg@20°C):</b>	~ 1 x 10 <sup>-5</sup> to 6.3 x 10 <sup>-3</sup>
<b>Colour:</b>	Amber	<b>Volatile (wt% @ 25°C):</b>	0
<b>Odour:</b>	Mild Petroleum	<b>Vapour Density (air=1):</b>	> 10
<b>Specific Gravity @ 15°C:</b>	0.87 -0.93	<b>Evaporation Rate:</b>	< 1
<b>Solubility:</b>	Negligible		
<b>Boiling Point (°C):</b>	> 260		

## SECTION 4 - FIRE AND EXPLOSION HAZARD

**Flammability:**  Yes  No  
**Flash Point :** >150°C (COC)

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

<b>Upper Flammable Limit:</b>	Not established.	<b>Lower Flammable Limit:</b>	Not established.
<b>Auto Ignition Temperature:</b>	Not established.	<b>TDG Flammability Classification:</b>	Not classified.
<b>Sensitivity to Impact:</b>	None.	<b>Sensitivity to Static Discharge:</b>	None.

**Means of Extinction:** Dry chemical, water spray (fog), foam or carbon dioxide.  
**Hazardous Combustion Products:** Oxides of carbon.  
**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 oxides of carbon.

## SECTION 6 - TOXICOLOGICAL PROPERTIES

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

**Effects of Acute Exposure:** Slight 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.

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

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## SECTION 7 - PREVENTATIVE AND CORRECTIVE MEASURES

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

**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.

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## SECTION 8 - FIRST AID MEASURES

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**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:**

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## SECTION 9 - PREPARATION DATE OF MSDS

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