



April, 1999

## Material Safety Data Sheet

### SECTION A - IDENTIFICATION & EMERGENCY INFORMATION

Manufacturer's Name: Castrol Heavy Duty Lubricants Inc.  
Emergency Telephone Number: 410-574-5000

Address: 9300 Pulaski Highway  
Baltimore, MD. 21220  
800-777-1466

PRODUCT NAME: Castrol Meyer Snowplow Fluid

Part Number: 7328

Chemical Family: Petroleum Oil (Hydraulic Oil)  
Product Appearance & Odor: Yellow Liquid  
Mild Bland Petroleum Odor

CAS Number (For Finished Product):  
COMPLEX MIXTURE  
CAS Number Not Applicable

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)  
Health - 1 Flammability - 1 Reactivity - 0  
Hazard Rating: Lease - 0 Slight - 1 Moderate - 2 High - 3 Extreme - 4

### SECTION B - COMPONENTS & HAZARD INFORMATION

COMPONENTS	CAS NO. OF COMPONENTS	APPROXIMATE CONCENTRATION
Lubricating Oil Base Stock Proprietary Additives	64742-53-6 Mixture	Greater than 85% Less than 15%

Exposure limit for Total Product: 5 mg/m<sup>3</sup> oil mist for an 8 hour work day. Basis OSHA Reg. 29 CFR 1910.1000  
CERCLA Hazardous Substances: None known. If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements. U.S. TCSA Inventory: All components of this material are on the U.S. TSCA Inventory. Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 Extremely Hazardous Substances (SARA Sections 301-304): None. Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Section 313): N/A

### Section C - PHYSICAL DATA (THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES)

Boiling Range: Not Determined  
Specific Gravity (H<sub>2</sub>O=1) Not Determined  
Pour Point: <-80, C  
Viscosity: 100, C cSt 4.40  
Solubility in Water: Negligible, Below 0.1%

Percent Volatile by Volume: Negligible  
Vapor Pressure: Negligible  
Vapor Density: Greater Than Air  
Evaporation Rate: Negligible

### SECTION D - FIRE PROTECTION INFORMATION

Flash Point & Method: Min. ASTM D-92 C.O.C.C. (F)  
104(220)

Autoignition Temperature:  
Not Determined

National Fire Protection Association  
(NFPA)- Hazard Identification

Health - 1  
Flammability - 1  
Reactivity - 0

Unusual Fire & Explosion Hazards: None

Basis: Recommended by Castrol Heavy Duty Lubricants Inc.

Hazard Rating (NFPA):

4 - Extreme      3 - High      2 - Moderate  
1 - Slight      0 - Insignificant

Flammability Limits (% by volume in air):  
Lower: Not Determined  
Upper: Not Determined

**HANDLING PRECAUTIONS:** Use Product with caution around heat, sparks, pilot lights, static electricity and open flames.  
**DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:** Fumes, smoke, carbon monoxide, sulfur oxides, and other decomposition products, in the case of incomplete combustion.  
**Extinguishing Media & Fire Fighting Procedures:** Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on the size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.  
The following procedures for this type of product are based on the recommendations of the National Fire Protection Association's *Fire Protection Guide on Hazardous Materials*. Use water spray, dry chemical, foam, or carbon dioxide to extinguish the fire.

Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes, or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.  
**EMPTY CONTAINER WARNING:** "EMPTY" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. "EMPTY" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.