

# MATERIAL SAFETY DATA SHEET

MSDS File Number: 2882

<b>SECTION I - MATERIAL IDENTIFICATION AND USE</b>			<b>FLAMMABILITY</b>	<b>1</b>	
Material Name / Product Identifier <b>D-MO GOLD</b>			<b>REACTIVITY</b>	<b>0</b>	
Manufacturer's Name <b>Consumers' Co-operative Refineries Limited</b> PO Box 260 550 E 9th Ave. N Regina, SK S4P 3A1 CANADA (306) 721-5353		Supplier's Name <b>Federated Co-operatives Limited</b> PO Box 1050; 401-22nd Street East Saskatoon, SK S7K 3M9 CANADA (306) 244-3447		<b>HEALTH (Acute)</b>	<b>0</b>
Emergency Telephone Number <b>(613) 996-6666 (Canutec)</b>		Emergency Telephone Number <b>(613) 996-6666 (Canutec)</b>		<b>(Chronic)</b>	<b>N</b>
Chemical Name <b>N.D.</b>		Chemical Family <b>N.D.</b>		Mfg Reference Number <b>H2007.</b>	
Molecular Weight <b>N.D.</b>	Trade Name and Synonyms <b>SAE 15W40</b>	Material Use <b>Lubricating Oil.</b>			

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIALS

Hazardous Ingredients	Approximate Concentration %	C.A.S. Numbers	Exposure Limits	LD50 / LC 50 (Species and Route)
Mineral Oil	60.0 - 100.0 %		(ACGIH) TLV-TWA 5 mg/m3; STEL 10 mg/m3	

## SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State <b>Liquid</b>	Odour and Appearance <b>brown colour; hydrocarbon odour</b>	Odour Threshold (ppm)	Specific Gravity <b>0.9 @ 15.5 C</b>
Vapour Pressure <b>N.D.</b>	Vapor Density (Air = 1) <b>N.D.</b>	Evaporation Rate <b>N.D.</b>	Boiling Point <b>N.D.</b>
Solubility in Water (20 C) <b>insoluble</b>	% Volatiles <b>N.D.</b>	pH <b>N.D.</b>	Freezing / Pour Point <b>N.D.</b>
			Coefficient of water / oil distribution <b>N.D.</b>

## SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Conditions of Flammability <b>N.D.</b>			
Means of Extinction <b>Water spray, foam, dry chemical, or carbon dioxide.</b>			
Special Procedures  <b>Fire fighters should wear SCBA and full protective clothing.</b>			
Flash Point and Method <b>220.0 C (Open Cup)</b>	Upper Explosion Limit <b>N/A</b>	Lower Explosion Limit <b>N/A</b>	Auto Ignition Temperature <b>N/A</b>
Explosion Data - Sensitivity to Mechanical Impact <b>N.D.</b>		Explosion Data - Sensitivity to Static Discharge <b>N.D.</b>	

## SECTION V - REACTIVITY DATA

Chemical Stability <b>Yes.</b>	If no, under which conditions? <b>The product is stable.</b>
Incompatibility to other substances <b>Yes.</b>	If so, which ones? <b>Strong oxidizing and reducing agents.</b>
Reactivity and under what conditions <b>N.D.</b>	
Hazardous Decomposition and Combustion Products <b>N.D.</b>	



Material Name / Product Identifier **D-MO GOLD**

## SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry **Skin Contact, Eye Contact, Inhalation, Ingestion.**

Effects of Acute Exposure to Product

**Inhalation of oil mist or vapours at elevated temperatures may cause respiratory irritation. Skin contact: Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Eye contact: Non-irritating to the eyes. Ingestion: Not determined.**

Effects of Chronic Exposure to Product

**N.D.**

LD50 of Product

**N.D.**

Irritancy of Product

**Yes.**

Exposure Limits of Product

**N.D.**

LC50 of Product

**N.D.**

Sensitization to Product

**N.D.**

Synergistic materials

**N.D.**

**OTHER TOXICOLOGICAL EFFECTS: None.**

## SECTION VII - PREVENTATIVE MEASURES

Personal Protective Equipment

**Wear suitable protective clothing to prevent skin contact.**

Gloves

**Chemical resistant, impervious gloves.**

Eye Protection

**Safety glasses with side shields. Chemical goggles with face shield depending on quantity of material and conditions of use.**

Respiratory

**Not normally required if used with adequate ventilation.**

Engineering Controls

**Provide exhaust ventilation or other engineering controls to keep airborne concentrations of vapours below their respective threshold limit value.**

Leak and Spill Procedure

**Contain spilled material. Small spills: add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. Large spills: dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways.**

Waste Disposal

**Dispose of according to all government regulations.**

Handling Procedures and Equipment

**Avoid contact with skin and eyes. Use proper grounding and bonding procedures. Wash thoroughly after handling. Wear respirator if ventilation is not adequate.**

Storage Requirements

**Keep container tightly closed when not in use. Keep container in a cool, well-ventilated area.**

Special Shipping Information

**TDG: Not Regulated.**

## SECTION VIII - FIRST AID MEASURES

Skin

**Wash with soap and water. Seek medical attention if irritation develops or persists.**

Eye

**Flush eyes immediately with water for at least 15 minutes. Get medical attention immediately.**

Inhalation

**Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, seek medical attention.**

Ingestion

**Give one glass of water to drink. Get medical attention if symptoms appear.**

General Advice

## SECTION IX - PREPARATION OF M.S.D.S

W.H.M.I.S. Classification

**Not a controlled product.**

N.F.C. Classification

Sources Used

**Afton Chemical Corporation (this MSDS is on file and is available for your viewing).**

Prepared By

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Date

**July 5, 2007**