

# MATERIAL SAFETY DATA SHEET

MSDS File Number: 1540

<b>SECTION I - MATERIAL IDENTIFICATION AND USE</b>		<b>FLAMMABILITY</b>	<b>1</b>
Material Name / Product Identifier <b>SONIC MP SL GEAR OIL</b>		<b>REACTIVITY</b>	<b>0</b>
Manufacturer's Name <b>Consumers' Co-operative Refineries Ltd</b> P.O. Box 260; 550E 9th Avenue North Regina, Saskatchewan S4P 3A1 (306) 721-5353	Supplier's Name <b>Federated Co-operatives Limited</b> P.O. Box 1050; 401 - 22nd Street East Saskatoon, Saskatchewan S7K 3M9 (306) 244-3447	<b>HEALTH (Acute)</b>	<b>0</b>
		<b>(Chronic)</b>	<b>N</b>
Emergency Telephone Number <b>(613) 996-6666 (Canutec)</b>	Emergency Telephone Number	Mfg Reference Number	
Chemical Name <b>N.D.</b>	Chemical Family <b>N.D.</b>	Chemical Formula <b>Mixture.</b>	
Molecular Weight <b>N.D.</b>	Trade Name and Synonyms <b>50; 75W90; 80W140</b>	Material Use <b>Gear lubricant.</b>	

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIALS

Hazardous Ingredients	Approximate Concentration %	C.A.S. Numbers	Exposure Limits	LD50 / LC 50 (Species and Route)
Base Oil	60.0 - 100.0 %		(ACGIH) TLV-TWA 5 mg/m3 (oil mist)	(LD50) Oral (rat) > 5000 mg/kg

## SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State <b>Liquid</b>	Odour and Appearance <b>Dark liquid; pungent odour (SL 50 has mild odour)</b>	Odour Threshold (ppm) <b>N.D.</b>	Specific Gravity <b>0.91 - 0.92 @ 15.6 C</b>
Vapour Pressure <b>N.D. psia</b>	Vapor Density (Air = 1) <b>N.D.</b>	Evaporation Rate <b>N.D.</b>	Boiling Point <b>N.D. C</b>
Solubility in Water (20 C) <b>Negligible</b>	% Volatiles <b>N.D.</b>	pH <b>N.D.</b>	Freezing / Pour Point <b>N.D. (SL50 = -40) C</b>
		Coefficient of water / oil distribution <b>N.D.</b>	

## SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Conditions of Flammability  
**May form combustible mixtures with air at temperatures at or above the flashpoint.**

Means of Extinction  
**Foam, water spray, dry chemical, carbon dioxide.**

Special Procedures  
**Cool fire exposed containers with water spray. Due to danger of slop over, avoid getting water into container. Move containers away from fire area if at no risk. Vapours may travel to distant ignition sources and flashback. Fire fighters should wear self contained breathing apparatus.**

Flash Point and Method <b>202-235 C (Closed 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>Stable under normal conditions of storage and use.</b>
Incompatibility to other substances <b>Yes.</b>	If so, which ones? <b>Unstable with strong oxidizers.</b>
Reactivity and under what conditions <b>Exposure to heat or oxidizing materials will greatly increase fire hazard. Hazardous polymerization will not occur.</b>	
Hazardous Decomposition and Combustion Products <b>Incomplete combustion may produce oxides of carbon, nitrogen, sulfur and phosphorus.</b>	



Material Name / Product Identifier **SONIC MP SL GEAR OIL**

## SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

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

Effects of Acute Exposure to Product

**Skin contact may cause slight irritation; unlikely to be absorbed through skin. Eye contact is not expected to cause irritation (SL 80W140 may cause mild transient eye irritation). Ingestion is expected to be non-toxic. Due to low volatility under standard conditions, inhalation overexposure is not expected to be a hazard.**

Effects of Chronic Exposure to Product

**N.D.**

LD50 of Product

**Rat, oral > 5000 mg/kg.**

Irritancy of Product

**N.D.**

Exposure Limits of Product

**(ACGIH) TLV 5 mg/m3 (oil mist).**

LC50 of Product

**N.D.**

Sensitization to Product

**N.D.**

Synergistic materials

**N.D.**

**OTHER TOXICOLOGICAL EFFECTS: None.**

**OTHER TOXICITY DATA: There is no data available to indicate any component present at greater than 0.1% may present a carcinogenic hazard. There is no data available to indicate any component present at greater than 0.1% that may cause mutagenic, teratogenic or reproductive effects.**

## SECTION VII - PREVENTATIVE MEASURES

Personal Protective Equipment

**Wear chemical resistant clothing if prolonged skin contact is likely.**

Gloves

**neoprene or rubber.**

Eye Protection

**safety glasses with side shields or chemical goggles.**

Respiratory

**Not normally required if used with adequate ventilation. Wear an appropriate NIOSH approved respirator whenever mist or spray is generated or if concentration levels exceed the safe exposure limits.**

Engineering Controls

**Use only in well ventilated areas. Use with adequate local exhaust ventilation is recommended.**

Leak and Spill Procedure

**Ventilate area. Remove ignition sources. Contain (prevent entry into waterways). Wear protective equipment as necessary including rubber boots. Pump up using an explosion proof pump. Soak up remainder with an inert, absorbent material.**

Waste Disposal

**Recycle, dispose of or incinerate product and/or contaminated materials in accordance with all government regulations. Take the necessary action to prevent or remedy the adverse effects of any spill.**

Handling Procedures and Equipment

**Avoid prolonged contact with skin. Wear chemical resistant clothing if prolonged skin contact is likely. Avoid eye contact. Wear chemical goggles if splashing may occur. Avoid breathing vapours or mists. Use with adequate ventilation. Wash thoroughly after handling. Launder contaminated clothing before reuse. Keep away from heat and ignition sources. Empty container may contain product residue which may exhibit hazards of product.**

Storage Requirements

**Store in a cool, ventilated area, out of direct sunlight. Keep container closed when not in use.**

Special Shipping Information

**TDG: Not Regulated.**

## SECTION VIII - FIRST AID MEASURES

Skin

**Remove contaminated clothing. Wash skin with soap and running water. If irritation persists or develops, seek medical attention. Launder contaminated clothing before reuse.**

Eye

**Flush eyes with running water for at least 15 minutes while occasionally holding eyelids open to ensure thorough flushing. If irritation persists or develops, seek medical attention.**

Inhalation

**Remove to fresh air. If breathing has stopped, begin CPR. If breathing is difficult, give oxygen. Seek medical attention.**

Ingestion

**Do not induce vomiting. Rinse mouth out and give 8 ounces of milk or water to drink. Keep at rest. Seek medical attention.**

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

**Available upon request.**

Prepared By

**CCRL Safety Department**

Phone Number

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Date

**January 2, 2007**