

MATERIAL SAFETY DATA SHEET

MSDS File Number: 1761

SECTION I - MATERIAL IDENTIFICATION AND USE			FLAMMABILITY	1	
Material Name / Product Identifier SONIC MOLY GUARD SL			REACTIVITY	0	
Manufacturer's Name CHS Inc. P.O.Box 64089, Mail station 525 St. Paul, MN 55164-0089 (651) 355-8438		Supplier's Name Federated Co-operatives Limited P.O. Box 1050; 401 - 22nd Street East Saskatoon, Saskatchewan S7K 3M9 (306) 244-3447		HEALTH (Acute)	1
Emergency Telephone Number (800) 424-9300 (Chemtrec)		Emergency Telephone Number (613) 996-6666 (Canutec)		(Chronic)	N
Mfg Reference Number MSDS: 1185-L02A00-Rev B.					
Chemical Name Soap-thickened Oil Lubricant		Chemical Family Hydrocarbon		Chemical Formula Mixture.	
Molecular Weight N.D.	Trade Name and Synonyms GREASE, MULTIPURPOSE	Material Use Grease, Multipurpose.			

SECTION II - HAZARDOUS INGREDIENTS OF MATERIALS

Hazardous Ingredients	Approximate Concentration %	C.A.S. Numbers	Exposure Limits	LD50 / LC 50 (Species and Route)
Oil, Solvent Neutral	75.0 - 95.0 %	64742-52-5	(ACGIH) TLV-TWA 5 mg/m3 TWA (oil mist)	
Soap Thickener	Proprietary	7620-77-1	(ACGIH) TLV-TWA 2 mg/m3 TWA	
Performance Additives	Proprietary		(ACGIH) TLV-TWA 10 mg/m3 (Organic & Inorganic Molybdenum)	

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State Liquid-semi-solid gel	Odour and Appearance Grey/black colour; Mild petroleum odour	Odour Threshold (ppm) N.D.	Specific Gravity 0.944
Vapour Pressure < 1 mmHg @ 20 C	Vapor Density (Air = 1) N.D.	Evaporation Rate <1 (ether=1)	Boiling Point N.D.
Solubility in Water (20 C) insoluble	% Volatiles N.D.	pH N.D.	Freezing / Pour Point N.D.
			Coefficient of water / oil distribution N.D.

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Conditions of Flammability Toxic fumes gases or vapors may evolve on burning.			
Means of Extinction Foam, dry chemical or water spray (fog).			
Special Procedures Fire fighters should wear SCBA and full protective clothing. Use water spray to cool fire exposed surfaces. Water may cause splattering. Material floats on water.			
Flash Point and Method > 204 C (Closed Cup)	Upper Explosion Limit N/A	Lower Explosion Limit N/A	Auto Ignition Temperature 371.1 C
Explosion Data - Sensitivity to Mechanical Impact N.D.		Explosion Data - Sensitivity to Static Discharge N.D.	

SECTION V - REACTIVITY DATA

Chemical Stability Yes.	If no, under which conditions? Stable under normal conditions of storage and use. Handling temperatures should not exceed 80 C and storage temperatures should not exceed 45 C.
Incompatibility to other substances Yes.	If so, which ones? Acids, oxidizing agents.
Reactivity and under what conditions Hazardous polymerization will not occur.	
Hazardous Decomposition and Combustion Products Smoke, carbon monoxide, aldehydes, hydrogen sulfide and alkyl mercaptans may be released. Under combustion conditions, oxides of the following elements will be formed: carbon , nitrogen, sulfur, molybdenum, boron, lithium, potassium.	



Material Name / Product Identifier **SONIC MOLY GUARD SL**

SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

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

Effects of Acute Exposure to Product

Eyes & Skin: may cause irritation Inhalation: may cause irritation of the nose and throat, headaches, and dizziness. Ingestion: may cause nausea and vomiting. Large quantities may effect the central nervous system.

Effects of Chronic Exposure to Product

Dermatitis possible with prolonged and repeated contact. Medical conditions aggravated by exposure: existing dermatitis and respiratory conditions.

LD50 of Product N.D.	Irritancy of Product Yes.	Exposure Limits of Product See 'Hazardous Ingredients'.
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. Chemically protective apron and chemically protective boots are recommended for contact exposure or spill clean-up.

Gloves Impervious (nitrile) gloves.	Eye Protection Chemical safety goggles or face-shield.
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Respiratory
Not normally required if used with adequate ventilation. Wear an appropriate NIOSH approved respirator with organic vapor cartridges if concentration levels exceed the safe exposure limits. SCBA recommended for confined space entry or other poorly ventilated areas and large spill clean-up sites.

Engineering Controls

Ventilate to control mists and vapors below exposure limits.

Leak and Spill Procedure

Wear protective equipment. Ventilate area if confined or poorly ventilated. Contain with dikes or absorbent to prevent migration to sewers/streams. Take up small spill with dry chemical absorbent; large spills may require pump or vacuum prior to absorbent. May require excavation of severely contaminated soil. Avoid contact with skin and eyes.

Waste Disposal

Dispose of according to all government regulations.

Handling Procedures and Equipment

Handling temperatures should not exceed 175 F (80C). Wash thoroughly after handling. Open containers carefully and only in well ventilated areas or use appropriate respiratory protection. Do not wear watches, rings or similar apparel that could entrap the material next to the skin.

Storage Requirements

Store in closed container away from all ignition sources. Do not store at temperatures exceeding 113F (45C). Odorous and toxic fumes may form from the decomposition of this product if stored at excessive temperatures for extended periods of time. Store in well ventilated area.

Special Shipping Information

TDG Class: Not Regulated.

SECTION VIII - FIRST AID MEASURES

Skin

Wash the contaminated skin with soap and water promptly. If material penetrates through clothing, promptly remove and wash skin with water. Seek medical attention if irritation develops or persists.

Eye

Immediately flush eyes with plenty of water, lifting lower and upper eyelids occasionally. Seek medical attention.

Inhalation

Remove to fresh air. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Get medical attention immediately.

Ingestion

DO NOT INDUCE VOMITING! Get medical attention immediately.

General Advice

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

W.H.M.I.S. Classification D-2(B).	N.F.C. Classification
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Sources Used

CHS Inc. (this MSDS is on file and is available for your viewing).

Prepared By CCRL Safety Department	Phone Number (306) 721-0564	Date April 1, 2008
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