

MATERIAL SAFETY DATA SHEET

MSDS File Number: 1696

SECTION I - MATERIAL IDENTIFICATION AND USE			FLAMMABILITY	1	
Material Name / Product Identifier SONIC BLUE GUARD			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 1183-L03A00-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 multipurpose grease.			

SECTION II - HAZARDOUS INGREDIENTS OF MATERIALS

Hazardous Ingredients	Approximate Concentration %	C.A.S. Numbers	Exposure Limits	LD50 / LC 50 (Species and Route)
Oil, Severely hydrotreated Naphthenic	79.0 - 95.0 %	64742-52-5	(ACGIH) TLV- TWA 5 mg/m3 (oil mist)	
Soap Thickener	Proprietary	7620-77-1	(ACGIH) TLV-TWA 2 mg/m3	
Performance Additives	Proprietary		(ACGIH) TLV-TWA 10 mg/m3 (molybdenum compounds)	

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State Semi-solid gel	Odour and Appearance Blue grease, Mild petroleum odor	Odour Threshold (ppm) N.D.	Specific Gravity 0.944
Vapour Pressure <1 mm HG @ 68F	Vapor Density (Air = 1) N.D.	Evaporation Rate <1 (ether = 1)	Boiling Point N.D.
Freezing / Pour Point N.D.	Solubility in Water (20 C) Insoluble.	% Volatiles N.D.	pH N.D.
Coefficient of water / oil distribution N.D.			

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Conditions of Flammability May form combustible mixtures with air at temperatures at or above the flashpoint. Toxic fumes, gases or vapors may evolve on burning.			
Means of Extinction Use foam, dry chemical, or water spray (fog).			
Special Procedures Fire fighters should wear self contained breathing apparatus 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 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 use and storage. Avoid all ignition sources and high temperatures. 45C maximum for storing and 80C for handling.
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: nitrogen, sulfur, carbon, molybdenum, boron, lithium, potassium.	



SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

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

Effects of Acute Exposure to Product

Contact with eyes and skin can cause irritation. Inhalation: May cause irritation to the nose and throat, headaches and dizziness. Ingestion: May cause nausea and vomiting. Large quantities may effect the central nervous system. Exposure may aggravate existing dermatitis & respiratory conditions.

Effects of Chronic Exposure to Product

Dermatitis possible with prolonged and repeated contact.

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 aprons and boots are recommended for contact exposure or spill clean-up.

Gloves Impervious (nitrile) gloves.	Eye Protection Chemical goggles or face shield.
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Respiratory
Normally not required. 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 area and large spill clean-up sites.

Engineering Controls
Ventilate to control mists and vapors below exposure limits.

Leak and Spill Procedure
PPE should be worn. Ventilate area if confined or poorly ventilated. Contain with dikes or absorbent to prevent entry to sewer/streams. Take up small spill with dry chemical absorbent; large spills pump or vacuum. May require excavation of severely contaminated soil. Avoid contact with skin and eyes.

Waste Disposal
Dispose of according to government regulations.

Handling Procedures and Equipment
Handling temperatures should not exceed 80 C. Wash thoroughly after handling. Odorous and toxic fumes may form from the decomposition of this product if stored at excessive temperatures for extended periods of time. Do not wear watches, rings or similar apparel that could entrap the material next to the skin.

Storage Requirements
Store in well ventilated area 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.

Special Shipping Information
TDG: Not Regulated.

SECTION VIII - FIRST AID MEASURES

Skin
Immediately wash skin with soap and water. If material penetrates through clothing, remove contaminated clothing and wash the skin with soap and water promptly. If irritation persists seek medical attention.

Eye
Immediately wash eyes with large amounts of water , occasionally lifting the lower and upper lids. Seek medical attention.

Inhalation
Move to fresh air. Perform artificial respiration if breathing stopped. Keep person warm and at rest. Seek medical attention.

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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