

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND COMPANY INFORMATION

Product Name: Polar Lube
Product Use: Lubricator/Antifreeze
Product Code: 3096,3097
Date of Issue: 01-01-15
Supplier: Alex Milne Associates Ltd.
Address: 1870 Albion Road. Unit 3
Etobicoke, Ontario . M9W 5T2
Telephone: (416) 742-4911

Emergency Phone: 613-996 6666 (CANUTEC)

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Name	%	C.A.S.#	LC/50, Route,Species	LD/50, Route,Species
Propylene Glycol	45-80	57-55-6	Not available	20000 g/kg Oral, Rat 20800 mg/kg Dermal Rabbit
Polyethylene Glycol Phenyl Ether Phosphate	1-5	39464-70-5	Not available	Not available

SECTION 3 – HAZARDS IDENTIFICATION

Emergency overview: Avoid contact with eyes.

Route of Entry: Eye, Skin, Inhalation, Ingestion

EFFECTS OF ACUTE EXPOSURE:

Eye Contact: May cause irritation, reddening and swelling of tissues around the eyes.

Skin Contact: Slightly irritating. May cause redness, inflammation, swelling.

Inhalation: At room temperature, exposures to vapors are minimal due to physical properties; higher temperatures may generate vapor levels sufficient to cause irritation.

Ingestion: May cause nausea, vomiting, and gastrointestinal irritation.

Effects of chronic exposure: Prolonged or repeated skin exposure can cause drying, defatting and dermatitis.

SECTION 4 – FIRST AID MEASURES

Eye contact: Flush with water for 15 minutes. Seek medical attention if irritation persists.

Skin: Flush with water for 10 minutes. Seek medical attention if irritation develops and persists.

Remove contaminated clothing and laundry before reuse.

Inhalation: Remove to fresh air and take deep, slow breaths. Seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. Rinse mouth with water. Then drink two or more glasses of water.

Do not give anything by mouth if victim is unconscious. Seek medical attention if symptoms persist.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point: (deg C, TCC) not known – probably will not flash.

Upper Flammable Limits: Not available.

Lower Flammable Limits: Not available.

Hazardous Combustion Materials (under fire conditions): Carbon monoxide. Aldehydes.

Fire fighting media and instructions: This product is a nonflammable substance.

Use extinguishing media that is appropriate for surrounding fire.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Risk of explosion of the product in the presence of mechanical impact: Not available.

Risk of explosion of the product in the presence of static discharge: Not available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures: Use appropriate personal protective equipment as specified in Section 8.

Environmental Precautions

and Clean Up Procedures: Before attempting clean up, refer to hazard data given above. Ventilate area of leak or spill

Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways.

Contact emergency services and supplier for advice.

Rinse with water to clean up residue and reduce possible slippery floor hazard.

SECTION 7 – HANDLING AND STORAGE

Handling: Use appropriate measures when handling product. Handle and open containers with care. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. Empty containers may contain hazardous product residues. Keep the containers closed when not in use. Protect against physical damage.

Use appropriate personnel protective equipment.

Storage: Store in closed containers only.

Store away from incompatible materials. Store in a cool, dry well-ventilated area.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: General ventilation normally adequate to control airborne levels.

Personal Protection: The selection of personal protective equipment varies, depending upon conditions of use.

Eye: Chemical goggles; also wear a face shield if splashing hazard exists.

Hands: If prolonged/repeated contact occurs, use impervious (latex rubber) protective gloves.

Skin Protection: No protective equipment is needed under normal use conditions.

Respiratory: Not normally required if good ventilation is maintained.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Exposure Limit - ACGIH
Propylene Glycol	Not available
Polyethylene Glycol Phenyl Ether phosphate	Not available

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odour: Clear, turquoise blue, mild odour.

Boiling Point: (deg C): Not available.

Specific Gravity: ((H₂O =1)): 1.06

Vapour Pressure: Not available.

Vapour Density (AIR=1): Not available.

Freezing/ Melting point: -40 C

Evaporation Rate (Water=1): Not available.

Solubility in water: Miscible.

pH (as supplied): 10.5

Odour threshold: Not available

Physical State: Liquid

Viscosity: Not available

SECTION 10 – STABILITY AND REACTIVITY

Stability: The product is stable.

Conditions to avoid: Not available.

Incompatible Materials: Oxidizing materials.

Hazardous Decomposition Products: None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

Irritancy of Material: See Section 3 for Potential Health Effects.

Carcinogenic effects: None of the ingredients is listed by IARC, ACGIH, NTP, and OSHA as carcinogen.
Teratogenic effects, Mutagenic effects, Reproductive Effects, Sensitization effects: No data available.
Synergistic materials: Not available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:
Ecotoxicological Information:

Ingredients	Ecotoxicity - Fish Species Data	Acute Crustaceans Toxicity	Ecotoxicity - Freshwater Algae Data
Propylene glycol	LC50 (Pimephales promelas) 51400 mg/L LC50 (Oncorhynchus mykiss) 51600 mg/L	Not available.	EC50 (Selenastrum capricornutum) 19000 mg/L

No data on: Polyethylene Glycol Phenyl Ether phosphate.

Environmental Fate: There is no test data on this product.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal of Waste Method: Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

Contaminated Packaging: Empty containers should be recycled or disposed of through an approved waste management facility.

SECTION 14 – TRANSPORTATION INFORMATION

T.D.G. CLASSIFICATION: Not regulated.
TDG Proper Shipping Name: -
Class: -
UN Number: -
Packing Group: -
Note: No additional remark.

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: Class D - Division 2B: Material causing other toxic effects (Toxic).

Canadian Domestic Substance List (DSL): All the ingredients are listed.

Additional Information: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required.

SECTION 16 – OTHER INFORMATION

Date: 01-01-15

Prepared by: Technical department

Date of previous issue: 00-00-00

DISCLAIMER:**NOTICE TO READER:**

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