SAFETY DATA SHEET
(According HPR WHMIS 2015)

SECTION I - PRODUCT IDENTIFICATION AND COMPANY INFORMATION

Product Name: Polar Lube
Product Use: Lubricator/Antifreeze
Product Code: 3096,3097
Date of Issue: 01-06-15
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 – HAZARD IDENTIFICATION

WHMIS 1988 Classification: D2B, Material causing other toxic effects. Skin irritant. Eye irritant.
WHMIS 2015/GHS Classification: Skin Irritation Category 2. Eye Irritation Category 2A.

GHS Label Elements, Including Precautionary Statements:

Pictogram:

Signal Word: **Warning.**

Hazard Statements:
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary Statements:
P305+P331+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Potential Health Effects: **Inhalation:** May cause respiratory tract irritation. **Skin:** Causes skin irritation. **Eyes:** Causes eye irritation. **Ingestion:** Causes stomach disorders.

SECTION 3 – 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
Phenolethoxilate, phosphated, potassium salt	6-8	68511-20-6	Not available	Not available

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 launder 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) > 100.
Upper Flammable Limits: Not available.
Lower Flammable Limits: Not available.
Hazardous Combustion Materials (under fire conditions): Carbon monoxide, phosphorous oxide.
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 expected to be sensitive.
Risk of explosion of the product in the presence of static discharge: Not expected to be sensitive.

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, labeled 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:
Eye: Chemical goggles. Wear a face shield if splashing hazard exists.
Hands: Use impervious (latex rubber) protective gloves.
Body Protection: No protective equipment is needed under normal use conditions.
Respiratory: Not normally required. General ventilation is sufficient.

Name	Exposure Limit - ACGIH
Propylene Glycol	Not available
Phenolethoxilate phosphate, potassium salt:	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): 8
Odour threshold: Not available
Physical State: Liquid
Viscosity: Not available

SECTION 10 – STABILITY AND REACTIVITY

Stability: The product is stable under normal conditions of usage.
Conditions to avoid: Not available.
Incompatible Materials: Oxidizing materials. Strong acids. Strong bases.
Hazardous Decomposition Products: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Irritancy of Material: Skin and eye irritant.
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	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

Phenolethoxilate phosphate, potassium salt: No data available. This product might not be readily biodegradable.

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 at an approved waste management facility.

SECTION 14 – TRANSPORTATION INFORMATION

T.D.G. Classification:	Not Dangerous Goods.
TDG Proper Shipping Name:	Not Applicable
Class:	
UN Number:	Not Applicable.
Packing Group:	Not Applicable

SECTION 15 – REGULATORY INFORMATION

Canadian Domestic Substance List (DSL): contains one ingredient listed on Canadian NDSL.
Additional Information: This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required.

SECTION 16 – OTHER INFORMATION

Date: 05-06-15
Prepared by: Technical department
Date of previous issue: 15-01-15

DISCLAIMER:
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