



SAFETY DATA SHEET

RV ANTIFREEZE (-50°C BURST)

Revision Date: 06-12-2018

Section 1. Identification

Product Identifier

Product Name	RV Antifreeze (-50°C Burst)
Common Name	Propylene Glycol
CAS Number	57-55-6
Product Code(s)	9020

Recommended or Restricted Uses

Recommended Use	Antifreeze, Heat Transfer
Restricted Use	Not Applicable

Canadian Supplier

Supplier	49 North Lubricants 6611 45 th Street, Leduc, Alberta T9E 7E3 Canada Tel: (780) 986-9260 Fax: (780) 986-9650
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Emergency Telephone Number

Emergency Telephone	CHEMTREC: 1-800-424-9300
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Section 2. Hazard Identification

Hazard Classification

WHMIS Regulatory Status	Not Regulated
Physical Hazards	Not Classified
Health Hazards	Not Classified
Environmental Hazards	Not Classified

Label Elements

Symbol	Not Applicable
Signal Word	Not Applicable
Hazard Statements	Not Applicable
Precautionary Statements	Not Applicable
Other Hazards	Not Applicable

Section 3. Composition / Information on Ingredients

Hazardous Product: Mixture

Chemical Name	Propylene Glycol	Inhibitors	H ₂ O
Common Name	Antifreeze		Water
CAS Registry #	57-55-6		7732-18-5
Concentration	25-30%	1-4%	65-75%

Section 4. First Aid Measures

Route of Exposure

Inhalation:	Move affected person to fresh air and keep warm and at rest. Loosen tight clothing such as collar, tie or belt. If breathing becomes difficult, properly trained personnel can assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing continues.
Skin Contact:	Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist seek medical attention. Wash contaminated clothing before re-use.
Eye Contact:	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes. If symptoms persist or there is visual difficulty seek medical attention.
Ingestion:	Do not give anything by mouth. Do not induce vomiting. If discomfort occurs, seek medical attention.

Most Important Systems and Effects

Inhalation:	May Cause: Coughing, Light Headedness
Skin Contact:	May Cause: Temporary Skin Irritation
Eye Contact:	May Cause: Irritation or Redness in Eyes, Loss of Vision
Ingestion:	May Cause: Discomfort

Immediate Medical Attention and Special Treatment

Note for the Doctor	Treat Symptomatically
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Section 5. Fire-Fighting Measures

Extinguishing Media

Suitable Extinguishing Media	Extinguish with alcohol resistant foam, carbon dioxide, dry chemical or water fog.
Unsuitable Extinguishing Media	Not Applicable.

Specific Hazards Arising from the Hazardous Product

Specific hazards	Not Applicable
Hazardous combustion products	Carbon dioxide. Carbon monoxide. Other toxic fumes may be produced.

Advice for Firefighters

Protective actions during firefighting	Avoid breathing gases or vapours. Evacuate the area. Ventilate closed spaces before entering them.
Special protective equipment for firefighters	Not Applicable.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions	Keep unnecessary and unprotected personnel away from spillage. Wear protective clothing as described in Section 8. Follow safe handling as described in Section 7. Eliminate all ignition sources. Vapour is heavier than air.
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Methods and Material for Containment and Cleaning Up

Methods for cleaning up	Collect spillage with non-combustible, absorbent material. For small spillages: wipe up with an absorbent cloth. Avoid discharge into drains or watercourses or onto the ground. For large spillages: Contain the spilled material, removed and dispose of contaminated material with a licensed waste disposal site.
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Methods for containment	Prevent spreading over a wide area with containment or barriers. Do not let product enter drains. If environmental pollution occurs (sewers, waterways, soil or air) inform the relevant authorities.
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Section 7. Handling and Storage

Precautions for Safe Handling

Usage precautions	Wear PPE as described in Section 8. Use proper equipment for lifting and transporting containers.
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Conditions for Safe Storage, Including any Incompatibilities

Storage Precautions	Keep storage area well ventilated. Store away from incompatible materials listed in Section 10. Store in accordance with local regulations. Containers of this material may be hazardous when emptied due to product residue. All hazard precautions must be observed with empty containers.
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Section 8. Exposure Controls / Personal Protection

Control Parameters

Occupational Exposure Limits	50 ppm (155 mg/m ³)
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Appropriate Engineering Controls

Engineering controls	Provide exhaust ventilation or other engineering controls to keep concentration of vapour below the recommended exposure limits. An eye wash station and safety shower should be located near the work station.
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Individual Protection Measures

General	All personal protective equipment (PPE) should comply with Canada OH&S Regulations (SOR/86-304)
Eye/Face protection	Recommended: Safety glasses equipped with side shields. Where splash hazards exist use a face shield as well. Have suitable eye wash water available.
Hand protection	Recommended: Heavy Nitrile or Neoprene gloves if frequent or prolonged exposure is expected.
Body protection	Recommended: Avoid prolonged / repeated skin contact. If splashing or spraying is expected chemical-resistant clothing should be worn.
Respiratory protection	Respiratory protection is not anticipated under normal use. If elevated airborne concentrations are anticipated, a NIOSH approved organic vapour respirator equipped with a dust prefilter should be used.

Section 9. Physical and Chemical Properties

Physical Properties

Physical State	Liquid
Colour	Clear / Colourless
Odour	Odourless
Odour threshold	Not Applicable

Chemical Properties

pH	9.0 – 10.5
Melting point / freezing point	-60 °C
Flash point	99 °C (Closed Cup)
Evaporation rate	Not Available
Flammability (solid; gas)	Not Available
Lower Explosive Limit	2.6%
Upper Explosive Limit	12.6%
Vapour pressure	0.017 kPa @ 25°C
Vapour density	> 1
Relative density	Not Available
Solubility	Soluble in water, Partial Solubility in ethanol, acetone, and chloroform.

Partition coefficient: n-octanol/water	Not Available
Decomposition temperature	Not Available
Viscosity	Not Available

Section 10. Stability and Reactivity

Reactivity	Not Available
Stability	Stable
Possibility of hazardous reactions	No reactions under normal conditions and use
Conditions to avoid	High Temperatures
Incompatible Materials	Strong acids, strong bases, strong oxidizing agents, UV light, isocyanates
Hazardous decomposition products	Aldehydes, alcohols, dioxolanes, ethers, organic acids

Section 11. Toxicological Information

Routes of Exposure	Ingestion, Inhalation, Skin/Eye Contact
<u>Symptoms</u>	
Physical	Skin/Eye contact may cause irritation or redness with short term exposure Ingestion may cause discomfort
Chemical	No Available Data
Toxicological	No Available Data
<u>Exposure Effects</u>	
Delayed Effects	No Available Data
Chronic Effects	No known chronic effects
<u>Acute Toxicity Estimates (ATE)</u>	
ATE oral (mg/kg)	No Available Data
ATE dermal (mg/kg)	No Available Data
ATE inhalation (mg/L)	No Available Data

Section 12. Ecological Information

No Available Data.

Section 13. Disposal Considerations

Follow local regulations for hazardous waste disposal.

Section 14. Transport Information

Not Available.

Section 15. Regulatory Information

Not Available.

Section 16. Other Information

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SDS Number(s) 9020

Disclaimer: The information contained herein is accurate to the best of our knowledge.