

Material Safety Data Sheet

WHMIS	Protective Clothing	TDG Road/Rail
		

SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

Product name: AQUA ANTIFREEZE **Effective Date:** 1/1/2015 **Code No.:** ATR00592
Product use: Solvent
WHMIS: Not controlled under WHMIS (Canada).
TDG: Not controlled under TDG (Canada).
Not applicable (PIN and PG).

Manufacturer: Lawrason's Inc.
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Supplier: Lawrasons's Inc.
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SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Wt%	ACGIH-TLV	LC₅₀/LD₅₀
1) Propylene glycol	000057556	10-30%	Not available.	ORAL (LD50): Acute: 20000 mg/kg [Rat]. DERMAL (LD50): Acute: 20800 mg/kg [Rabbit].

SECTION III - PHYSICAL DATA

Boiling point:	185°C (365°F)	Specific Gravity:	1.01 (Water = 1)
Vapour Pressure:	0.22 mm of Hg (@ 20°C)	Vapor Density:	Not available.
Solubility in Water:	Soluble	Percent Volatile:	Not available.
Physical State:	Liquid.	Evaporation Rate:	Not available.
Appearance and Odour:	Pink. Mild	pH (as supplied):	Not available.
		Viscosity:	Not available.

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: WHMIS regulated limit <93.3°C
Flash Points: Not available
Flammable Limits: Not available
Hazardous Combustion Products: These products are carbon oxides (CO, CO₂).
Means of Extinction: SMALL FIRE: Use DRY chemicals, CO₂, water spray or foam.
LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Special Fire Hazards: Not available.

SECTION V - REACTIVITY DATA

Stability: The product is stable.
Incompatibility: No specific information is available in our database regarding the reactivity of this material in presence of various other materials.
Hazardous Decomposition Products: Not available.

SECTION VI - TOXICOLOGICAL PROPERTIES

Routes of Entry Ingestion.

Acute Effects on Humans: May irritate eyes. May cause skin irritation. Excessive inhalation of vapors can cause nasal and respiratory irritation. **INGESTION:** May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects on Humans: **CARCINOGENIC EFFECTS:** Not available. **MUTAGENIC EFFECTS:** Not available. **TERATOGENIC EFFECTS:** Not available. Toxicity of the product to the reproductive system: Not available. There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.

Synergistic Materials: Not available.

SECTION VII - PREVENTIVE MEASURES

Gloves: Not applicable.

Eye Protection: Safety glasses.

Respiratory Protection: Vapor respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Other Protective Equipment: Splash goggles. Gloves (impervious). Full suit. Wear appropriate respirator when ventilation is inadequate.

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower is proximal to the work-station location.

Leak and Spill Procedure: Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
 PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP IS COMPLETED. Stop spill at source. Dike to prevent spreading. Pump to salvage tank.

Waste Disposal: Recycle to process, if possible. Consult your local or regional authorities.

Storage Requirements: Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

SECTION VIII - FIRST AID

Eye: IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used.

Skin: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Remove contaminated clothing and wash before reuse.

Inhalation: If respiratory irritation or distress occurs, remove victim to fresh air. If symptoms persist, call a physician.

Ingestion: Remove dentures if any. Have conscious person drink several glasses of water or milk. INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. NEVER give an unconscious person anything to ingest. Seek medical attention.

SECTION IX - OTHER INFORMATION

References Not available.

Additional remarks: No additional remark.

Validated by Technical Manager, Lawrason's Inc on 1/1/2015.	Verified by Lawrason's Inc.
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