



## MATERIAL SAFETY DATA SHEET

### 1. Product And Company Identification

MSDS ID: MSDS355  
PRODUCT NAME: Prestone® LowTox Antifreeze/Coolant  
PRODUCT NUMBER: AF555, 70011, 70052  
FORMULA NUMBER: YA-947

MANUFACTURER:  
Prestone Products Corporation  
Danbury, CT 06810-5109

CANADIAN OFFICE:  
FRAM Group (Canada), Inc.  
Mississauga, Ontario L5L 3S6

#### MEDICAL EMERGENCIES AND ALL OTHER INFORMATION PHONE NUMBER:

(800)890-2075 (in the US)  
(800)668-9349 (in Canada)

#### TRANSPORTATION EMERGENCY PHONE NUMBER (Chemical Spills and Transport Accidents only):

CHEMTREC 1-800-424-9300 (in the US)  
CANUTEC (613)996-6666 (in Canada)

MSDS DATE OF PREPARATION/REVISION: 08/26/11

PRODUCT USE: Automobile antifreeze - consumer product

### 2. Hazards Identification

Green liquid with a characteristic odor.

### EMERGENCY OVERVIEW

Not classified as flammable or combustible but will burn under fire conditions. Direct eye contact may cause transient discomfort. Not toxic by inhalation, skin contact or ingestion.

### 3. Composition/Information On Ingredients

Component	CAS No.	Amount
Propylene Glycol	57-55-6	90-100%

(See Section 8 for Exposure Limits)

### 4. First Aid Measures

**INHALATION:** No adverse effects are expected, however, if irritation or other symptoms develop, remove to fresh air. Seek medical attention if symptoms persist.

**SKIN CONTACT:** Remove contaminated clothing and wash skin with soap and water. Seek medical attention if irritation develops.

**EYE CONTACT:** Immediately flush with water, holding open eyelids, for 15 minutes. Seek medical attention if irritation persists.

**INGESTION:** If swallowed, get immediate medical advice by calling a poison control center or emergency room. Take the victim and the product container to the nearest emergency treatment center or hospital. Do not attempt to induce vomiting or give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: Following acute ingestion signs of toxicity are unlikely. Ethanol treatment as in ethylene glycol poisoning is inappropriate. There is no specific antidote. Treatment should be directed at the control of symptoms and the clinical condition. Monitor for acidosis and central nervous system effects.

**5. Firefighting Measures**

EXTINGUISHING MEDIA: For large fires, use alcohol type or all- purpose foam. For small fires, use water spray, carbon dioxide or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear positive pressure self- contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored. Cool exposed container with water spray or fog. Burning liquid may float on water.

UNUSUAL FIRE HAZARDS: A solid stream of water or foam directed into hot, burning liquid can cause frothing. Heat from fire may generate flammable vapor. Fine sprays or mists may be combustible at temperatures below the normal flash point.

HAZARDOUS COMBUSTION PRODUCTS: Burning may produce carbon monoxide and carbon dioxide.

**6: Accidental Release Measures**

Wear appropriate protective clothing and equipment (See Section 8). Collect with absorbent material and place in appropriate, labeled container for disposal or, if permitted flush spill area with water.

**7. Handling and Storage**

Avoid eye and prolonged or repeated skin contact.  
Avoid breathing vapors or mists.  
Wash exposed skin thoroughly with soap and water after use.

Keep container away from open flames and excessive heat.  
Do not reuse empty containers unless properly cleaned.

Empty containers retain product residue and may be dangerous. Do not cut, weld, drill, etc. containers, even empty.

Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without any obvious ignition sources. Published "autoignition" or "ignition" temperatures cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Use of this product in elevated temperature applications should be thoroughly evaluated to assure safe operating conditions.

NFPA CLASSIFICATION: III B

**8. Exposure Controls / Personal Protection**

**EXPOSURE LIMITS**

CHEMICAL	EXPOSURE LIMIT
Propylene Glycol	None Established

VENTILATION: Use general ventilation or local exhaust as required to minimize exposures.

RESPIRATORY PROTECTION: None normally needed.

GLOVES: None normally needed. For prolonged contact rubber or neoprene gloves can be worn.

EYE PROTECTION: Safety glasses or goggles recommended if splashing is possible.

OTHER PROTECTIVE EQUIPMENT/CLOTHING: Appropriate protective clothing as needed to minimize skin contact.

**9. Physical and Chemical Properties**

APPEARANCE AND ODOR: Green liquid with a characteristic odor. There is no odor threshold data for this product.

pH: 10.6	SPECIFIC GRAVITY: 1.05
BOILING POINT (F): 305°F	VAPOR PRESSURE: <0.1 mmHg @ 77°F
FREEZING POINT (F): Supercools	VAPOR DENSITY: 2.6
SOLUBILITY IN WATER: Complete	PERCENT VOLATILE: None
VISCOSITY: Not determined	EVAPORATION RATE: <1 (Butyl Acetate = 1)
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not determined	
FLASH POINT: 230 F (110 C) TOC	AUTOIGNITION TEMPERATURE: Approx 700 F (370 C)
FLAMMABILITY LIMITS: LEL: 2.4% UEL: 17.4%	

**10. Stability and Reactivity**

STABILITY: Stable  
CONDITIONS TO AVOID: None  
INCOMPATIBILITY: Strong oxidizing agents, and materials reactive with hydroxyl compounds.  
DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide.  
HAZARDOUS POLYMERIZATION: Will not occur.

**11. Toxicological Information**

**POTENTIAL HEALTH EFFECTS:**

**ACUTE HAZARDS:**

INHALATION: No significant adverse health effects are expected from inhalation exposure.

SKIN CONTACT: No significant irritation is expected.

SKIN ABSORPTION: No adverse effects are expected due to the very low systemic toxicity of propylene glycol.

EYE CONTACT: Direct contact may cause stinging and tearing but no residual injury or discomfort.

INGESTION: Considered relatively non-toxic following acute ingestion, however, lactic acidosis, stupor and seizures have been reported following chronic ingestion. Renal and hepatic toxicity have been reported in experimental animals.

CHRONIC HAZARDS: None currently known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None currently known.

CARCINOGEN: None of the components of this product are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.

**Acute Toxicity Values:**

Propylene Glycol: LD50 Oral Rat: 20 gm/kg; LD50 Skin Rabbit: 20.8 gm/kg

This product contains less than 0.1% tolyltriazole which has demonstrated mutagenic activity in a bacterial test system. A correlation has been established between mutagenic activity and carcinogenic activity for many chemicals. Tolyltriazole has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA.

#### 12. Ecological Information

No ecotoxicity data is currently available.

#### 13. Disposal Considerations

Dispose of product in accordance with all local, state/provincial and federal regulations.

#### 14. Transport Information

U.S. DOT HAZARD CLASSIFICATION: Not regulated

DOT MARINE POLLUTANTS: This product does not contain Marine Pollutants as defined in 49 CFR 171.8.

IMDG CODE SHIPPING CLASSIFICATION: Not regulated

CANADIAN TDG CLASSIFICATION: Not Regulated

#### 15. Regulatory Information

EPA SARA 311/312 HAZARD CLASSIFICATION: Not hazardous

EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

PROTECTION OF STRATOSPHERIC OZONE: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA SECTION 103: This product is not subject to CERCLA reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

CALIFORNIA PROPOSITION 65: This product does not contain substances known to the State of California to cause Cancer and/or Reproductive Harm.

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the ingredients are listed on the Canadian Domestic Substances List.

CANADIAN WHMIS CLASSIFICATION: Not a controlled product.

CANADIAN WHMIS HAZARD SYMBOLS: Not applicable

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

AUSTRALIA: All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances.

CHINA: All of the ingredients of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC)

KOREA: All of the components of this material are listed on the Korean Existing Chemicals List (KECL).

PHILIPPINES: All of the components of this material are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS).

<b>16. Other Information</b>
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NFPA Rating: Fire: 1                      Health: 1                      Reactivity: 0

REVISION SUMMARY: Section 1: Update company name and address.

This MSDS is directed to professional users and bulk handlers of the product. Consumer products are labeled in accordance with Federal Hazardous Substances Act regulations.

While Prestone Products Corporation believes that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of tests conducted, the data are not to be taken as a warranty or representation for which Prestone Products Corporation assumes legal responsibility. They are offered for your consideration, investigation and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

If more information is needed, please contact:  
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