



Prestone Low Tox Antifreeze/Coolant

MATERIAL SAFETY DATA SHEET

05/22/2003

PRESTONE LOW TOX ANTIFREEZE

MSDSP355

SECTION 1: IDENTIFICATION

MSDS ID: MSDSP355

PRODUCT NAME: Prestone Low Tox Antifreeze/Coolant

Formula: YA-947

MANUFACTURER: Prestone Products Corporation

39 Old Ridgebury Road

Danbury, CT 06810-5109

INFORMATION PHONE NUMBER: (203) 830-7800

EMERGENCY PHONE NUMBER: CHEMTREC 1-800-424-9300 483-7161 in the District of Columbia

DATE OF MSDS PREPARATION/REVISION: 05/05/97

SECTION 2: PRODUCT COMPONENTS

HAZARDOUS COMPONENTS CAS# PERCENT EXPOSURE LIMITS

Propylene Glycol 57-55-6 20-40 None Established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Green liquid with a characteristic odor. 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.

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: Skin irritation is minimal, can be mildly irritating to mucous membranes. May cause allergic contact dermatitis.

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 and in individuals with underlying kidney disease.

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 or OSHA.

SECTION 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 physician, poison control center or emergency room. If advice is not available and a significant quantity has been swallowed, 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.

SECTION 5: FIRE AND EXPLOSION DATA

FLASH POINT: 230° F (110° C) TOC

AUTOIGNITION TEMPERATURE: Approximately 700 F (370 C)

FLAMMABILITY LIMITS: LEL: 2.4 UEL: 17.4

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.



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SECTION 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.

SECTION 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.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

SECTION 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

BOILING POINT (F): 205 F

MELTING POINT (F): Supercools

SOLUBILITY IN WATER: Complete

PERCENT VOLATILE: None

SPECIFIC GRAVITY: 8.73 lbs/gal

VAPOR PRESSURE: <0.1 inHg ~ 77 F

VAPOR DENSITY: 2.6

EVAPORATION RATE: <1 (Butyl Acetate-i)

VISCOSITY: Not determined

SECTION 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

CONDITIONS TO AVOID: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

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.

SECTION 12: ECOLOGICAL INFORMATION

No ecotoxicity data is currently available.

SECTION 13: DISPOSAL INFORMATION

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

SECTION 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.

INDO CODE SHIPPING CLASSIFICATION: Not regulated



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SECTION 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.

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

SECTION 16: OTHER INFORMATION

NFPA RATING (NFPA 704) - FIRE: 1

HEALTH: 1

REACTIVITY: 0

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 the 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 solely 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.