SECTION 1: IDENTIFICATION

MSDS ID: MSDS395

PRODUCT NAME: PRESTONE® Windshield Melt De-Icer Additive
   AS240 Formula: 2875-168

MANUFACTURER: Prestone Products Corporation
   39 Old Ridgebury Road
   Danbury, CT 06810-5109

INFORMATION PHONE NUMBER: (203) 831-7800

EMERGENCY PHONE NUMBER: CHEMTREC 1-800-424-9300
   (483-716) in the District of Columbia

MSDS DATE OF PREPARATION/REVISION: 08/09/02

SECTION 2: PRODUCT COMPONENTS

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>CAS#</th>
<th>PERCENT</th>
<th>EXPOSURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>7-56-1</td>
<td>80-90</td>
<td>400 ppm TWA OSHA PEL</td>
</tr>
<tr>
<td>(Isopropanol)</td>
<td></td>
<td></td>
<td>400 ppm TWA ACGIH TLV skin</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>500 ppm STEL ACGIH TLV</td>
</tr>
<tr>
<td>Ethylene Glycol</td>
<td>107-21-1</td>
<td>10-20</td>
<td>None Established-OSHA PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>100 mg/m3 Ceiling ACGIH TLV</td>
</tr>
</tbody>
</table>

NON-HAZARDOUS INGREDIENTS >1%

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear, water-white liquid with an alcohol odor. Flammable liquid and vapor. Eye irritant. Inhalation may cause irritation of the nose, throat and respiratory tract, headache, dizziness, drowsiness, nausea, narcosis and unconsciousness. Harmful if swallowed.

POTENTIAL HEALTH EFFECTS:

ACUTE HAZARDS:

INHALATION: May cause irritation of the nose, throat and upper respiratory tract. High vapor concentrations may produce nausea, vomiting, headache, dizziness, drowsiness, weakness, fatigue, narcosis and possible unconsciousness.

SKIN CONTACT: Prolonged contact with the skin may cause redness and defatting of the skin.
EYE CONTACT: Liquid, vapors or mist may cause mild to moderate eye irritation with redness, swelling, excess tear production and excess tear production.

INGESTION: Contains isopropyl alcohol and ethylene glycol. May cause gastrointestinal irritation and bleeding, abdominal discomfort or pain, nausea, vomiting, diarrhoea, dizziness, drowsiness, headache, malaise, irritability, back pain, decrease in urine output, kidney failure, and central nervous system effects, including irregular eye movements, convulsions and coma. Severe kidney damage which may be fatal follows the swallowing of large volumes of ethylene glycol. Signs of renal insufficiency may be delayed 36 to 48 hours post ingestion. A few reports have been published describing the development of weakness of the facial muscles, diminishing hearing, and difficulty with swallowing, during the late stages of severe poisoning.

CHRONIC EFFECTS: Prolonged or repeated skin contact may cause skin sensitization and an associated dermatitis in some individuals. Ethylene glycol has been found to cause birth defects in laboratory animals. The significance of this finding to humans has not been determined.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Due to its defatting properties, isopropyl alcohol may aggravate an existing skin condition, e.g., eczema. Due to its kidney injuring potential, the product may exacerbate existing kidney diseases.

CARCINOGENIC: None of the components of these products is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.

SECTION 4: FIRST AID MEASURES

INHALATION: Remove the victim to fresh air. If breathing has stopped administer artificial respiration. If breathing is difficult, have medical personnel administer oxygen. Get immediate medical attention.

SKIN CONTACT: Remove contaminated clothing. Immediately wash contacted area thoroughly with soap and water. If irritation persists, get medical attention.

EYE CONTACT: Immediately flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.

INGESTION: Seek immediate medical attention. Immediately call local poison control center or go to an emergency department. Never give anything by mouth to or induce vomiting in an unconscious or drowsy person.

NOTES TO PHYSICIAN: The principal toxic effects of ethylene glycol, when swallowed, are kidney damage and metabolic acidosis. The combination of metabolic acidosis, an osmol gap and oxalate crystals in the urine is evidence of ethylene glycol poisoning. Ethanol is
antidotal and its early administration may block the formation of nephrotoxic metabolites of ethylene glycol in the liver. The objective is to rapidly achieve and maintain a blood ethanol level of approximately 100 mg/dl by giving a loading dose of ethanol followed by a maintenance dose. Intravenous administration of ethanol is the preferred route. Ethanol blood levels should be checked frequently. Renal dialysis may be required. 4-Methylpyrazole, a potent inhibitor of alcohol dehydrogenase, has been used in European countries and in investigational trials in the United States. This agent shows promise as a possible replacement for alcohol therapy.

Pulmonary edema with hypoxemia has been described in a number of patients following poisoning with ethylene glycol. Respiratory support with mechanical ventilation may be required.

There may be cranial nerve involvement in the late stages of toxicity from swallowed ethylene glycol. In particular, effects have been reported involving the seventh, eighth, and ninth cranial nerves, presenting with bilateral facial paralysis, diminished hearing and dysphagia.

Seek consultation with a physician toxicologist or poison control center.

SECTION 5: FIRE AND EXPLOSION DATA

FLASH POINT: 53 °F (11 °C) PMCC

FLAMMABILITY LIMITS:

LEL: 2.0% UEL: 12.7% (isopropyl alcohol)

AUTOIGNITION TEMPERATURE: Not Determined

EXTINGUISHING MEDIA: Use water fog, carbon dioxide, alcohol foam or dry chemical. Cool fire exposed containers with water.

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.

UNUSUAL FIRE HAZARDS: Flammable liquid and vapor. May form explosive mixtures with air. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Fire exposed containers may rupture explosively.

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Eliminate all ignition sources. Ventilate area. Wear appropriate
protective clothing and equipment (See Section 8). Collect with absorbent material and place in a container suitable for flammable waste.

SECTION 7: HANDLING AND STORAGE

Do not swallow. Avoid eye and skin contact. Avoid breathing vapors or mists. Use only with adequate ventilation. Wash exposed skin thoroughly with soap and water after use. Flammable! Keep away from heat, sparks, open flames and all other sources of ignition. Do not smoke during use. Store in a cool, well ventilated area. Do not reuse empty containers unless properly cleaned. Empty containers retain product residues and may be hazardous. Do not flame cut, drill, weld, etc. on or near empty containers, even empty.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Use general ventilation or local exhaust as required to maintain exposures below the occupational exposure limits.

RESPIRATORY PROTECTION: For operations where the TLV is exceeded a NIOSH organic vapor respirator or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select and use in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

GLOVES: Chemical resistant gloves such as butyl rubber or Viton where contact is possible.

EYE PROTECTION: Splash-proof goggles.

OTHER PROTECTIVE EQUIPMENT/CLOTHING: Appropriate protective clothing as needed to minimize skin contact. Suitable washing and eye flushing facilities should be available in the work area. Contaminated clothing should be removed and laundered before re-use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear, water-white liquid with an alcohol odor. The reported mean odor threshold for isopropyl alcohol is 43 ppm.

pH: 8.1

BOILING POINT (F): 185.7 F

FREEZING POINT (F): -85 F

SOLUBILITY IN WATER: 100%

SPECIFIC GRAVITY: 0.79 lbs/gal

VAPOR PRESSURE: Not determined

VAPOR DENSITY: >1

EVAPORATION RATE: >1 (Butyl Acetate=1)
WINDSHIELD MELT DE-ICER ADDITIVE
MSDS395

PERCENT VOLATILE: 91.8%
VISCOSITY: 1 cSt @ 100 C

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Heat, sparks, flames and all other sources of ignition.
INCOMPATIBILITY: Strong bases, strong acids, strong oxidizing agents, materials reactive with hydroxyl compounds
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide.
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Isopropyl Alcohol: LD50 Oral Rat: 5045 mg/kg
LD50 Skin Rabbit: 12,800 mg/kg
LC50 Inhalation Rat: 16,000 ppm/hr

Ethylene Glycol: LD50 Oral Rat: 4700 mg/kg
LD50 Skin Rabbit: 9530 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ethylene Glycol: LC50 Goldfish: 5,000 mg/L/24 hr. at 20 C static conditions.
Toxicity threshold (cell multiplication inhibition test):
Bacterial (Pseudomonas putida): 10,000 mg/l
Protozoa (Enosphim sulcatum and Uronema parudzi Chatton-Lwoff): >10,000 mg/l
Algae (Microcystis aeruginosa): 2,000 mg/l
Green algae (Scenedesmus quadrigula): >10,000 mg/l

SECTION 13: DISPOSAL INFORMATION

Dispose of product as hazardous waste (ignitable) in accordance with all local, state/provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. DOT HAZARD CLASSIFICATION

PROPER SHIPPING NAME: Consumer Commodity
TECHNICAL NAME: None
UN NUMBER: None
HAZARD CLASS/PACKING GROUP: ORM-D
LABELS REQUIRED: None

DOT MARINE POLLUTANTS: This product does not contain Marine Pollutants as defined in 49 CFR 171.8.
SECTION 15: REGULATORY INFORMATION

EPA SARA 311/312 HAZARD CLASSIFICATION: Acute health, chronic health, fire hazard.

EPA SARA 313: This product contains the following chemicals subject to annual release reporting requirements under SARA Title 40. Section 313 (40 CFR 372):
- Ethylene Glycol 100-21-1 10-20%

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: Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center. The RQ for the product, based on the RQ for Ethylene Glycol (908 maximum) of 5,400 lbs, is 25,000 lbs. 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 chemicals regulated under California Proposition 65.

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 WIMS CLASSIFICATION: Class D - Division 2 - Subdivision B - (A toxic material causing other chronic effects), Class B - Division 2 (Flammable Liquid).

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS): All of the ingredients are listed on the EINECS inventory.

JAPAN: All of the ingredients of this product are listed on the Japanese Existing and New Chemical Substances (MITU) List.

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: 3
HEALTH: 1
REACTIVITY: 0

REVISION SUMMARY: Revised Header
Section 1: Removed P from MSDS Number
Changed Contact Name, Address and Phone Number

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.

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