



SAFETY DATA SHEET

1. Product And Company Identification

SDS ID: SDS 546
 PRODUCT NAME: Prestone® De-Icer Windshield Washer Fluid
 PRODUCT NUMBER: AS-250D, AS-250DF, AS250/5, AS250/5F, AS250-55, AS250-55/F, 77306, AS250-55/1, AS 250- 55/1F
 FORMULA NUMBER: 2285-188A, 2285-191, 2429-85, 2429-87, 2481-034, 2481-035, 2488-62, 2488-74, 2593-140, 2593-141

PRODUCT NOT FOR SALE IN CALIFORNIA

MANUFACTURER: Prestone Products Corporation 69 Eagle Rd. Danbury, CT 06810	CANADIAN OFFICE: Prestone Canada 33 MacIntosh Blvd. Concord, ON L4K 4L5	MEXICO OFFICE: ASG Operations Mexico S. de R.L. de C.V. Carretera Mexico Cuautitlan, Kilometro 31.5, Nave Industrial 5, Loma Bonita, Cuautitlan, Mexico, 54800
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MEDICAL EMERGENCIES AND ALL OTHER INFORMATION PHONE NUMBER:

(888)269-0750 (in the US and Canada)
 01-800-715-4135 (in Mexico)

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

CHEMTREC 1-800-424-9300 (in the US and Canada) +1 703 741-5970 (outside the US and Canada)




PRODUCT USE: Automobile windshield cleaner/deicer - consumer product
 RESTRICTIONS ON USE: None identified

2. Hazards Identification

GHS/HAZCOM 2012 Classification:

Health	Physical
Acute Toxicity Category 3 (inhalation, oral, dermal) Specific Target Organ Toxicity – Single Exposure Category 1	Flammable liquid Category 3

Label Elements

DANGER!
 H226 Flammable liquid and vapor.
 H301+H311+H331 Toxic if swallowed, in contact with skin and if inhaled.
 H370 Causes damage to eyes and central nervous system by ingestion.

Prevention:
 P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
 P233 Keep container tightly closed.
 P240 Ground and bond container and receiving equipment
 P241 Use explosion-proof electrical, ventilating, and lighting equipment.



P242 Use non-sparking tools.
P243 Take action to prevent static discharge.
P260 Do not breathe vapors, or spray.
P264 Wash exposed skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves, protective clothing, and eye protection.
Response:
P301+ P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P330 Rinse mouth.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water, or shower.
P312 Call a POISON CENTER or doctor if you feel unwell.
P363 Wash contaminated clothing before reuse
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P311 Call a POISON CENTER, or doctor.
P314 Get medical attention f you feel unwell.
P370 + P378 In case of fire: Use water fog, carbon dioxide, alcohol foam or dry chemical to extinguish.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
Disposal:
P501 Dispose of contents and container in accordance with local and national regulations.

3. Composition/Information On Ingredients

Component	CAS No.	Percent w/w
Non-hazardous Ingredients	Mixture	60-100
Methyl Alcohol (Methanol)	67-56-1	20-<35

The exact concentrations are a trade secret.

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.

MOST IMPORTANT SYMPTOMS: Inhalation may cause headache, dizziness, drowsiness, nausea, visual impairment, narcosis and unconsciousness. Toxic if swallowed, inhaled or absorbed through the skin. May cause gastrointestinal pain, nausea and vomiting. Ingestion, inhalation or absorption of methanol through the skin may cause central nervous system effects and damage to the optic nerve. Poisonous if swallowed.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT, IF NEEDED: Seek immediate medical attention for ingestion; or prolonged or excessive dermal exposures.

NOTES TO PHYSICIAN:

The combination of visual disturbances, metabolic acidosis and an osmol gap is evidence of methanol poisoning. Ethanol is antidotal and its early administration may block the formation of toxic metabolites of methanol. 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. Hemodialysis may be required.

4-Methyl pyrazole (Fomepizole(R)), a potent inhibitor of alcohol dehydrogenase, has been used therapeutically to decrease the metabolic consequences of methanol poisoning. Fomepizole is easier to use clinically than ethanol, does not cause CNS depression or hypoglycemia and requires less monitoring than ethanol. Folic acid may also be administered to enhance the metabolism of formic acid, the toxic metabolite of methanol.

As there are complicated and serious overdoses, we recommend you consult with the toxicologists at your poison control center.

5. Firefighting Measures

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

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: Flammable liquid. Methanol-water mixtures will burn unless very dilute. Flame is invisible in daylight. Vapors are heavier than air and may flow along surfaces to distant ignition sources and flashback. Burning may produce carbon monoxide and carbon dioxide.

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.

6: Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Eliminate all ignition sources. Ventilate area. Wear appropriate protective clothing and equipment (See Section 8).

METHODS AND MATERIALS FOR CONTAINMENT/CLEANUP: Collect with absorbent material and place in a container suitable for flammable waste.

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING: May be fatal or cause blindness if swallowed! 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 liquid! Keep away from heat, sparks, open flames and all other sources of ignition. Do not smoke during use.

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

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: Keep away from heat, sparks, open flames and all other sources of ignition. Store in a cool, well-ventilated area.

NFPA CLASSIFICATION: IC

8. Exposure Controls / Personal Protection

EXPOSURE GUIDELINES

CHEMICAL	EXPOSURE LIMIT
Non-hazardous Ingredients	None Established PEL/TLV
Methyl Alcohol (Methanol)	200 ppm TWA OSHA PEL 200 ppm TWA ACGIH TLV skin



250 ppm STEL ACGIH TLV

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

RESPIRATORY PROTECTION: For operations where the exposure limit is exceeded a NIOSH approved supplied air respirator or positive pressure self-contained breathing apparatus is recommended. Organic vapor cartridge respirators are not recommended for methanol vapor exposures. 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 are recommended to prevent eye contact.

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

9. Physical and Chemical Properties
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APPEARANCE:	Clear yellow liquid	ODOR:	Alcohol
ODOR THRESHOLD:	160 - 690 ppm (Methanol)	pH:	~5
MELTING/FREEZING POINT:	-34.4 to -27.2°F (-34.4 to -32.9°C)	BOILING POINT/RANGE:	178-179°F (81.1-81.6°C)
FLASH POINT:	90-98°F (32.2-36.6°C) Setaflash	EVAPORATION RATE: (Butyl Acetate = 1)	Not determined
FLAMMABILITY (SOLID, GAS)	Flammable liquid	FLAMMABILITY LIMITS:	LEL: 6.7% (Methanol) UEL: 36% (Methanol)
VAPOR PRESSURE:	96 mmHg @ 20°C	VAPOR DENSITY:	>1
RELATIVE DENSITY:	0.94 - 0.95	SOLUBILITIES	Water: >99%
PARTITION COEFFICIENT (n-octanol/water)	Not determined	AUTOIGNITION TEMPERATURE:	Not determined
DECOMPOSITION TEMPERATURE:	Not determined	VISCOSITY:	Not determined

10. Stability and Reactivity

REACTIVITY: Normally unreactive

CHEMICAL STABILITY: Stable

POSSIBILITY OF HAZARDOUS REACTIONS: Reaction with strong oxidizers will generate heat.

CONDITIONS TO AVOID: Heat, sparks, flames and all other sources of ignition.

INCOMPATIBLE MATERIALS: Oxidizing agents, strong acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion will produce carbon monoxide, carbon dioxide.

11. Toxicological Information

POTENTIAL HEALTH EFFECTS:

ACUTE HAZARDS:

INHALATION: May cause irritation of the nose and throat with headache, particularly from mists. High vapor concentrations may produce nausea, vomiting, headache, dizziness, drowsiness, tingling, numbness and shooting pains in the hands and



14. Transport Information

U. S. DOT HAZARD CLASSIFICATION (For Ground Shipments Only)

Containers Not Over 5 Liters (1.3 gal.):

PROPER SHIPPING NAME: UN1992, Flammable Liquid, toxic, n.o.s., (contains methanol), 3 (6.1), III, Limited Quantity

TECHNICAL NAME: Methanol

UN NUMBER: UN1992

HAZARD CLASS/PACKING GROUP: 3 (6.1), III

LABELS REQUIRED: Limited Quantity Mark

Containers Over 5 Liters: UN1992, Flammable Liquid, toxic, n.o.s., (Methanol), 3 (6.1), PG III

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

IMDG CODE SHIPPING CLASSIFICATION:

Shipments with inner packagings 5 L or smaller and gross mass for the package not exceeding 30 kg can be shipped as a Limited Quantity (see above). This product is exempted from marking the UN number (see IMDG Code 3.4.7)

DESCRIPTION: UN1992, Flammable Liquid, Toxic, n.o.s. (Methanol) 3(6.1), PG III, FP 32 C, LTD QTY

ID NUMBER: UN1992

HAZARD CLASS: 3 (6.1)

PACKING GROUP: III

LABELS REQUIRED: Limited Quantity Mark

PLACARDS REQUIRED: LIMITED QUANTITIES Mark on Cargo Transport Containers

CANADIAN TDG CLASSIFICATION (For Ground Shipments Only)

DESCRIPTION: UN1230, Methanol Solution, 3 (6.1), PG II

ID NUMBER: UN1230

HAZARD CLASS: 3 (6.1)

PACKING GROUP: II

LABELS REQUIRED: Flammable Liquid and Toxic

PLACARDS REQUIRED: Flammable Liquid and Toxic

IATA/ICAO SHIPPING CLASSIFICATION:

These products are not suitable for shipment by air.

15. Regulatory Information

EPA SARA 311/312 HAZARD CLASSIFICATION: Refer to Section 2 for OSHA Hazard Classification.

EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):

Methanol	67-56-1	20-<35%
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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 Methanol (35% maximum) of 5,000 lbs, is 14,285 lbs. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

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



CALIFORNIA AIR RESOURCE BOARD (CARB) CONSUMER PRODUCT REGULATION: Product not for sale in California.

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

KOREA: All of the ingredients of this product are listed on the Korean Existing Chemical List (KECL).

16. Other Information

NFPA Rating: Fire: 3 Health: 2 Instability: 0

REVISION SUMMARY: General review. Change Section 2 – P phrases

SDS Date of Preparation/Revision: June 15, 2022

This SDS 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.