



SECTION 1: IDENTIFICATION

MSDS ID: MSDSP324

PRODUCT NAME: PRESTONE Driveway Heat
AS500 Formula: 27125, 38051

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

MSDS DATE OF PREPARATION/REVISION: 11/02/99

SECTION 2: PRODUCT COMPONENTS

HAZARDOUS COMPONENTS	CAS#	PERCENT	EXPOSURE LIMITS
Calcium Chloride	10042-52-4	90-100	10 mg/m3 TWA MANUFACTURER

NON-HAZARDOUS INGREDIENTS >1%
Water 7732-18-5
Sodium Chloride 7647-14-5
Potassium Chloride 7447-40-7
Strontium Chloride 10476-85-4

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

White to off-white pellets with no odor. May cause moderate to severe eye irritation with corneal injury. Prolonged or repeated skin contact may cause irritation or burns. Inhalation of dust may cause respiratory irritation.

POTENTIAL HEALTH EFFECTS:

ACUTE HAZARDS:

INHALATION: Vapors are unlikely due to physical properties. Dust may cause irritation of the upper respiratory tract.

SKIN CONTACT: A single skin exposure is not likely to cause significant skin irritation. Prolonged or repeated exposure may cause skin irritation and possibly a burn. May cause more severe response if skin is damp and/or abraded, or if material is confined on the skin. When dissolving, the heat produced may cause more intense skin effects as well as thermal burns.

EYE CONTACT: May cause moderate to severe eye irritation with superficial injury which may be slow to heal. When dissolving, the heat produced may cause more intense effects as well as thermal burns.

INGESTION: Ingestion may cause irritation, ulceration and possible hemorrhage of the gastrointestinal tract. May produce acidosis if a substantial amount has been ingested.

CHRONIC EFFECTS: Prolonged or repeated skin exposure may cause skin irritation or possibly a burn.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Because of its irritating properties, this product may aggravate an existing skin condition.

CARCINOGEN: 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: If symptoms occur, remove to fresh air. Consult a physician if symptoms persist.

SKIN CONTACT: Remove contaminated clothing and shoes. Wash all affected and exposed areas with soap and water. Get medical attention if symptoms persists.

EYE CONTACT: Immediately flush eyes with copious amounts of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If irritation, pain, or swelling develops, seek immediate medical attention.

INGESTION: If swallowed, immediately dilute with one to two glasses of water. Get immediate medical assistance by calling a local poison control center, emergency room or physician. Never give anything by mouth to or induce vomiting in an unconscious or drowsy person.

NOTES TO PHYSICIAN: There is no specific antidote. Treatment should be directed at the control of symptoms and the clinical condition. Dilution is a primary consideration. Systemic symptoms are unlikely. Contact your Poison Control Center for specific consultation. If burn is present, treat as any thermal burn, after decontamination.

SECTION 5: FIRE AND EXPLOSION DATA

FLASH POINT: Not combustible

AUTOIGNITION TEMPERATURE: Not applicable

FLAMMABILITY LIMITS:

LEL: Not applicable **UEL:** Not applicable

EXTINGUISHING MEDIA: This product is not combustible. Use any media that is appropriate for the surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: None needed.

UNUSUAL FIRE HAZARDS: None known.

HAZARDOUS COMBUSTION PRODUCTS: At temperatures above 350 F, the product may decompose.

SECTION 6: ACCIDENTAL RELEASE MEASURES

For unintended spills and releases, wear appropriate protective clothing and equipment (See Section 8). Sweep or shovel up. Avoid generating dust. Avoid entry of large amounts of this product into sewers, natural waters and drinking water sources. Avoid contact with vegetation, animals and aquatic life.

SECTION 7: HANDLING AND STORAGE

Avoid eye contact. Avoid prolonged skin contact. Avoid breathing dust.

Store in a dry area. When dissolving calcium chloride pellets always use cool water, below 80 F. Heat is released in dissolving the pellets and can result in boiling and splattering if warm water is used.

Leather clothing and shoes may be damaged by calcium chloride. Avoid contact.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: General ventilation should be adequate for normal use. For operations where the exposure limit may be exceeded, local exhaust ventilation is recommended.

RESPIRATORY PROTECTION: None needed under normal use conditions. For operations where the exposure limit may be exceeded or for dusty conditions, an approved dust 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: Not needed for normal use. For prolonged or repeated contact wear rubber or neoprene gloves.

EYE PROTECTION: Not needed for normal use. For dusty conditions safety glasses or goggles can be used.

OTHER PROTECTIVE EQUIPMENT/CLOTHING: None normally used.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White to off-white pellets with no odor.

pH: Not applicable	SPECIFIC GRAVITY: 2.2
BOILING POINT (F): >388 F/>198 C	VAPOR PRESSURE: <0.009 mmHg @ 20 C
FREEZING POINT (F): 446 F/230 C	VAPOR DENSITY: Not applicable
SOLUBILITY IN WATER: Very Soluble	EVAPORATION RATE: Not determined
PERCENT VOLATILE: Not determined	VISCOSITY: Not applicable

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Hygroscopic. Avoid contact with air or moisture.
INCOMPATIBILITY: Contact with metals such as brass, mild steel, aluminum or ferrous metals may generate flammable hydrogen. Contact with sulfuric acid may generate hydrogen chloride which is corrosive. Heat may be generated when the products is mixed with water causing splattering or boiling.
HAZARDOUS DECOMPOSITION PRODUCTS: Product will not decompose.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Product: LD50 Oral Rat: 900-2100 mg/kg
LD50 Skin Rabbit: >5,000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

No ecotoxicity data is available for this product or its components at this time.

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

PROPER SHIPPING NAME: Not Regulated
TECHNICAL NAME: None
UN NUMBER: None
HAZARD CLASS/PACKING GROUP: None
LABELS REQUIRED: None

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

IMDG CODE SHIPPING CLASSIFICATION

DESCRIPTION: Not Regulated
ID NUMBER: None
HAZARD CLASS: None
PACKING GROUP: None
LABELS REQUIRED: None
PLACARDS REQUIRED: None

SECTION 15: REGULATORY INFORMATION

EPA SARA 311/312 HAZARD CLASSIFICATION: Acute health

EPA SARA 313: This Product Contains the Following Chemicals
Subject to Annual Release Reporting Requirements Under SARA Title
111, 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.
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 WHMIS CLASSIFICATION: Class D - Division 2 - Subdivision B -
(A toxic material causing other chronic effects)

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

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

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

SECTION 16: OTHER INFORMATION

NFPA RATING (NFPA 704) - FIRE: 0
HEALTH: 2
REACTIVITY: 1

Prestone®

PRESTONE DRIVEWAY HEAT MSDSP324

REVISION INDICATORS:

Supersedes: 3/11/97

REVISED SECTION: Section 1, Added new formula
Section 16, Contact 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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