



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: Lightning Premium Ice Melter®

Chemical Name: Sodium Chloride, Magnesium Chloride, Calcium Chloride, Complex Chloride

Recommended use of the chemical and restrictions on use: Anti-icing and de-icing

Manufacturer: Crystal Visions, Inc
PO BOX 95
Eola, IL

Telephone: (847) 340-4851

Supplier: Crystal Visions, Inc
PO BOX 95
Eola, IL

Telephone: (847) 340-4851

Emergency Phone: CHEMTREC: (800) 424-9300

SDS Date of Preparation: 12/19/2024

2. HAZARDS IDENTIFICATION

GHS Classification:

Physical	Health	Environment
Not Hazardous	Not Hazardous	Not Hazardous

GHS Label Elements:

None Required

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Sodium Chloride	7647-14-5	90-97%
Magnesium Chloride	7786-30-3	0.5-5%
Calcium Chloride	10043-52-4	0.5-5%
Polysacchride (Corrosion Inhibitor)	Proprietary	0.1-3%
Polymeric Colorant	Proprietary	<1

4. FIRST AID MEASURES

Eye: For eye contact, flush with water immediately, lifting eyelids occasionally. If present, remove contact lenses. Seek medical attention if irritation persists.

Skin: Remove clothing from affected area. Wash skin thoroughly and rinse carefully. Seek medical attention if irritation persists.

Ingestion: Do not induce vomiting unless directed to do so by a medical professional. Rinse mouth with water and give one glass of water to drink. Do not give liquids to an unconscious person. Get medical attention if symptoms develop.

Inhalation: If symptoms occur, remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.

Most important Symptoms: Direct contact with eyes may cause temporary irritation.. Dust may cause slight respiratory tract irritation.

Indication of immediate medical attention/special treatment: Treat Symptomatically

5. FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: This product is nonflammable. Use media appropriate for surrounding fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special Protective Equipment and Precautions for Fire-Fighting Instructions: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Aqueous solutions may cause surfaces to be extremely slippery and cause a slip hazard.

General fire hazards: No unusual fire or explosion hazards noted

Hazardous Combustions Products: May include and are not limited to: Chlorine. Hydrogen chloride. Oxides of sodium

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Wear appropriate protective clothing as described in Section 8. Wash thoroughly after handling.

Methods and Materials for Containment and Cleaning Up: Sweep up material and collect in a suitable container for disposal. Flush spill area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with the eyes, skin, and clothing. Avoid breathing dusts. Wear protective clothing and equipment as described in Section 8. Wash thoroughly with soap and water after

handling. Keep containers closed when not in use.

Conditions for Safe Storage, Including Any Incompatibilities: Store in a cool, dry, well-ventilated area away from incompatible materials. Product may be corrosive to some metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Sodium Chloride	None Established
Magnesium Chloride	None Established
Calcium Chloride	None Established

Engineering Controls: Use with adequate general ventilation to minimize exposures.

Respiratory Protection: In operations where exposure levels are excessive, a NIOSH approved respirator with dust cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin Protection: Protection clothing may be worn in dusty areas, but is generally not required.

Eye Protection: Safety glasses recommended.

Other: Long-sleeved clothing and long pants recommended to avoid prolonged skin contact. Suitable washing facilities should be available in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Reddish to white solid with no odor.

Physical State: Crystalline	Odor Threshold: Not applicable
Vapor Density: Not applicable	Initial Boiling Point/Range: Not applicable
Solubility In Water: 95-99%	Vapor Pressure: Not determined
Relative Density: Not determined	Evaporation Rate: Not determined
Melting/Freezing Point: Not determined	pH: Not applicable
VOC Content: Not determined	Octanol/Water Coefficient: Not determined
Solubility (other): Not determined	Decomposition Temperature: Not determined
Viscosity: Not applicable	Flammability (solid, gas): Not flammable
Flashpoint: Not applicable	Autoignition Temperature: Not determined
Flammable Limits: LEL: Not determined	UEL: Not determined

10. STABILITY AND REACTIVITY

Reactivity: None known

Chemical Stability: Material is Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: None known.

Incompatible Materials: Strong oxidizing agents, concentrated acids, and some metals.

Hazardous Decomposition Products: May include and are not limited to: Chlorine gas. Hydrogen chloride. Oxides of sodium

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Ingestion: Ingestion may cause slight irritation.

Inhalation: Inhalation of dusts may cause slight irritation of the nose, throat, and upper respiratory tract.

Eye: May cause slight irritation.

Skin: May cause slight irritation on prolonged or repeated contact.

Sensitization: This material is not known to cause sensitization.

Chronic: None known.

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

Germ Cell Mutagenicity: None currently known.

Reproductive Toxicity: None currently known.

Numerical Measures of Toxicity:

No toxicity data available

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available

Persistence and Degradability: No data is available on the degradability of this product.

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: None known

13. DISPOSAL CONSIDERATIONS

Disposal Instructions: Collect and reclaim or dispose in sealed containers in accordance with applicable regulations.

Local disposal regulations Hazardous waste code: Dispose in accordance with local, state, and federal environmental regulations.

Waste from residues / unused products: Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

DOT Hazardous Materials Description:

Proper Shipping Name: Not regulated

UN Number: None

Hazard Class/Packing Group: None

Labels Required: None

15. REGULATORY INFORMATION

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

SARA Hazard Category (311/312): Refer to Section 2 for OSHA Hazard Classification.

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): None

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

CANADA:

This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

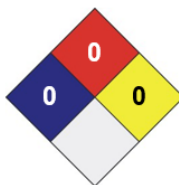
Canadian CEPA: All the components of this product are listed on the Canadian DSL.

Canadian WHMIS Classification: Not classified as dangerous

16. OTHER INFORMATION

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/	0
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION	X	



Disclaimer: Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document

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Effective Date: 12/1/2024

The information contained in this Safety Data Sheet is, to the best of our knowledge, accurate and reliable. This information should be provided to all individuals handling this product. Federal, state, and local regulations should be followed when handling this product.