

Lightning Premium Ice Melter®

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Chemical Product Name Sodium Chloride (Rock Salt Pre-Wet)
Chemical Family Alkali Metal/Halide
Chemical Name Sodium Chloride
Formula NaCl
Molecular Weight 58.44
Commercial Name LIGHTNING Premium Ice Melter®

Manufacturer Crystal Visions
PO Box 95
Eola, IL 60519

Emergency Telephone Numbers
847-340-4851

2. COMPOSITION/INFORMATION ON INGREDIENTS

Description

Blue crystalline granules, slightly damp.

Ingredient Name	CAS Number	Concentration (%)
Sodium Chloride NaCl	7647-14-5	90 – 97
Calcium Chloride CaCl ₂	10043-52-4	0.5 – 5
Magnesium Chloride MgCl ₂	7786-30-3	0.5 - 5
Polysacchride (Corrosion Inhibitor)	Proprietary	0.1 – 3
Polymeric Colorant	Proprietary	< 1

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS Health: 1, Flammability: 0, Reactivity: 0, Protective Equipment: A

Potential Health Effects

Routes of Entry:

- Eye contact:** Product may cause corneal injury or severe eye irritation.
- Skin contact:** Short term contact is not irritating. Extended contact may result in skin irritation. This is increased when the skin is cut, scratched, or damp.
- Inhalation:** Product dust may cause nose and – or throat irritation. Symptoms may include dryness, sore throat, and – or coughing.
- Ingestion:** Product has low toxicity if swallowed in small quantities. Swallowing large quantities may result in gastrointestinal irritation and may lead to vomiting and – or diarrhea. Salt LD50 (rat) =3,000 mg/kg, CaCl₂ LD50 (rat) = 1,000 mg/kg

Carcinogenicity

- NTP:** Not listed as carcinogen or mutagen.
- IARC:** Not listed as carcinogen or mutagen.
- OSHA:** Not listed as carcinogen or mutagen.

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Medical Conditions Aggravated by Exposure: In some cases of confirmed hypertension, ingestion may result in elevated blood pressure.

4. FIRST AID MEASURES

- First Aid for Eyes:** For eye contact, flush with water immediately, lifting eyelids occasionally. If present, remove contact lenses. Seek medical attention if irritation persists.
- First Aid for Skin:** Remove clothing from affected area. Wash skin thoroughly and rinse carefully. Seek medical attention if irritation persists
- First Aid for Inhalation:** If person breathes large quantities, remove to fresh air at once. Seek medical attention for any breathing difficulty. If breathing stops, apply artificial respiration immediately.
- First Aid for Ingestion:** Less than a few grams would not be harmful. For larger quantities, drink large amounts of water or milk.

5. FIRE AND EXPLOSION MEASURES

Flash Point: N/A

Extinguishing Media: N/A. This product is nonflammable. Use media suitable for surrounding fire.

Special Fire Fighting Procedures: N/A

6. ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Contain spills to prevent contamination of water supply or sanitary sewer system. Vacuum or sweep into containers for proper disposal.

7. HANDLING AND STORAGE

Storage Temperature (min./max.): Avoid humid or wet conditions as product will crust and lose color.

Special Sensitivity: Avoid contact with strong acids and strong oxidizing agents.

Handling and Storage Precautions: Becomes hygroscopic at 75% humidity.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection Requirements: Eyeglasses or goggles should be worn in dusty areas.

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

Respiratory/Ventilation Requirements: NIOSH/MSHA approved respirator for particulates.

Exposure Limits: Not listed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Crystalline granules, slightly damp.

Color: Off white to opaque, tinted blue.

Odor: Slight.

Boiling Point (760mm Hg) (°C): 1465 (2575.5°F)

Melting Point/Freezing Point (°C): 801 (1473.8°F)

pH: 6.7 -10.0

Solubility in Water (%): 100

Specific Gravity (H₂O = 1): 2.16

Bulk Density (lbs. /ft³): 65-83

% Volatile by Weight: N/A

Vapor Pressure (mm Hg/747°C): N/A

Vapor Density (Air=1): N/A

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10. REACTIVITY

- Stability:** Stable
- Incompatibilities:** Avoid contact with strong acids.
Becomes corrosive to metals when wet.
- Decomposition Products:** May evolve chlorine gas when in contact with strong acids.

11. TOXICOLOGICAL INFORMATION

Description: Not listed.

12. ECOLOGICAL INFORMATION

- Ecotoxicity:** Not listed
- Environmental Degradation:** Not listed.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Follow applicable federal, state, and local waste management regulations.

14. TRANSPORTATION INFORMATION

D.O.T. Shipping Name: Not a D.O.T. controlled material.

15. REGULATOR INFORMATION

- OSHA Status:** Not listed.
- TSCA Status:** Listed as non-hazardous.

16. OTHER INFORMATION

Reason for Issue: Regulatory compliance.

Created: 2012

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