

Rock Salt Ice Melt

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Chemical Product Name	Sodium Chloride (Rock Salt)
Chemical Family	Alkali Metal/Halide
Chemical Name	Sodium Chloride
Formula	NaCl
Molecular Weight	58.44
Commercial Name	Bagged Rock Salt
Manufacturer	Emergency Telephone Numbers
Crystal Visions 125 Shelter Road Lincolnshire, IL 60069	847-340-4851

2. COMPOSITION/INFORMATION ON INGREDIENTS

Description

Off white crystalline granules.

Ingredient Name	CAS Number	Concentration (%)
Sodium Chloride NaCl	7647-14-5	95 -- 99

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. NaCl LD50 (rat) =3,000 mg/kg

Carcinogenicity

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

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

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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 cake and become hard.
- 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.
- Color:** Off white to opaque.
- 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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