

Thunder Melt Ice Melter

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
INCI Name	SODIUM CHLORIDE
INN Name	Sodium Chloride
Formula	NaCl plus Pre-wet Solution
Molecular Weight	58.44
Commercial Name	Thunder Melt

Manufacturer

Salt Xchange
Po Box 1177
Lake Zurich, IL 60047

Emergency Telephone Numbers

847-340-4851

2. COMPOSITION/INFORMATION ON INGREDIENTS

Description

Purple crystalline granules, slightly damp

Ingredient Name	CAS Number	Concentration (%)
Sodium Chloride (NaCl)	7647-14-5	90 – 97
Liquid Calcium Chloride (CaCl ₂) Plus liquid Propel™	10043-52-4	.05- 5
Polysacchride	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: Ingestion, skin/eye contact, inhalation.

Human Effects and Symptoms of Overexposure:

Acute Inhalation: Irritation of the respiratory tract.

Chronic Inhalation: Product dust may cause nose and or throat irritation. Symptoms may include dryness, sore throat and or coughing

Acute Skin Contact: Large amounts can cause irritation, and, if applied to damaged skin, absorption can occur with effects similar to those via ingestion.

Chronic Skin Contact: No applicable information found for chronic system effects.

Acute Eye Contact: Irritation with burning and tearing (salt concentrations greater than the normal saline present.)

Chronic Eye Contact: No applicable information found for chronic systemic effects.

Chronic 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.

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.

4. FIRST AID MEASURES

First Aid for Eyes: For eye contact, flush with water immediately, lifting eyelids occasionally.

First Aid for Skin: Remove clothing from affected area. Wash skin thoroughly. Rinse carefully.

First Aid for Inhalation: If person breathes large quantities, remove to fresh air at once. 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 MEASURES

Flash Point: N/A

Extinguishing Media: N/A. This product is nonflammable.

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.

Handling and Storage Precautions: Becomes hygroscopic and 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. (No TLV)

Exposure Limits: Not listed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Crystalline granules, slightly damp

Color: Off white to opaque, tinted purple.

Odor: Slight.

Boiling Point (760mm Hg) (oC): 1465 (2575.5)F

Melting Point/Freezing Point (oC): 801 (1473.8)F

pH: 6.7 -10.0

Solubility in Water (g/cc) (%): 26.4

Specific Gravity (H2O = 1): 2.16

Bulk Density (lbs./ft3): 35-83 %

Volatile by Weight: N/A

Vapor Pressure (mm Hg/747oC): N/A

Vapor Density (Air=1): N/A

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 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

17. SUPPLIER INFORMATION

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