

# Thunder Melt®

## Professional Ice Melter

### Safety Data Sheet

#### 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

<b>Chemical Product Name</b>	Sodium Chloride
<b>Chemical Family</b>	Alkali Metal/Halide
<b>Chemical Name</b>	Sodium Chloride
<b>Formula</b>	NaCl plus CaCl <sub>2</sub>
<b>Molecular Weight</b>	58.44
<b>Commercial Name</b>	<b>Thunder Melt®</b>
<b>Manufacturer</b>	<b>Emergency Telephone Numbers</b>
Crystal Visions, Inc. PO Box 95 Eola, IL 60519	847-340-4851

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

##### Description

Violet tinted crystalline granules.

<b>Ingredient Name</b>	<b>CAS Number</b>	<b>Concentration (%)</b>
Sodium Chloride NaCl	7647-14-5	90 – 97
Calcium Chloride CaCl <sub>2</sub>	10043-52-4	.05 - 5
Magnesium Chloride MgCl <sub>2</sub>	7786-30-3	0.5 – 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:

- 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.

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**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, CaCl<sub>2</sub> 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.

**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 70% 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.

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**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 Violet

**Odor:** Halogen odor.

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

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

**pH:** 6.7 – 7.4

**Solubility in Water (%):** 100

**Specific Gravity (H<sub>2</sub>O = 1):** 2.16

**Bulk Density (lbs. /ft<sup>3</sup>):** 65-83

**% Volatile by Weight:** N/A

**Vapor Pressure (mm Hg/747°C):** 2.5

**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 produce 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.

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### 16. OTHER INFORMATION

**Reason for Issue:** Regulatory compliance.

**Created:** 2017

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