

**MATERIAL SAFETY DATA SHEET (MSDS)**

# TruMelt

**SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Trade Name:** TruMelt  
**Chemical Family:** Inorganic Salts (alkali metals – halogens)  
**Company:** Chemical Solutions, Inc./MeltSnow.com  
**Address:** P. O. Box 675  
Franklin, MA 02038-0675  
**Contact:** Customer Service  
Phone: (508) 520-3900  
**Date Issued:** 07/1/13  
**Date Revised:**

**SECTION 2 – COMPOSITION AND INGREDIENT INFORMATION**

Composition:	CAS #	% or PPM
Sodium chloride	7647-14-5	89.50%
Magnesium chloride hexahydrate	7791-18-6	10.00%
Sodium Ferrocyanide (YPS, flowing agent)	13601-19-9	0.00004%
Color	N/A	0.00025%
Inert materials	N/A	Balance

**SECTION 3 – HAZARDS INFORMATION – HEALTH**

**Inhalation:** Dust may cause mild irritation of mucous membranes, nose, throat and upper respiratory tract.  
**Ingestion:** Single dose oral toxicity is low. Ingestion may cause gastrointestinal irritation or ulceration effects.  
**Skin:** Short single exposure not likely to cause significant skin irritation.  
**Eyes:** Dust may cause irritation. May cause moderate to severe irritation with corneal injury which may be slow to heal.  
**Chronic Effects:** Prolonged or repeated exposure may cause skin irritation, even a burn. May cause more severe response if skin is damp and/or abraded, or if material is confined to the skin.  
**Special remarks:** When dissolving, the heat produced may cause more intense effects as well as thermal burns.  
**Air:** None established  
**Biological:** No TLV established  
**Unusual Chronic Toxicity:** None

**SECTION 4– FIRST AID MEASURES**

**Emergency Phone #: (800) 424 – 9300 (toll free)**

**Skin:** Wash off in flowing clean water or shower.  
**Eyes:** Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.  
**Inhalation:** If symptoms develop, move to fresh air. Obtain medical attention if irritation continues.  
**Ingestion:** If swallowed in large quantities, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Call a physician (Never give anything by mouth or attempt to induce vomiting in an unconscious person.).

## SECTION 5 – HAZARDS INFORMATION – FIRE FIGHTING MEASURES

<b>Flash Point:</b>	Not flammable
<b>Auto ignition Temp:</b>	N/A
<b>Fire Extinguishing Media:</b>	Treat for surrounding materials.
<b>Explosive Limits:</b>	Not explosive
<b>Special Fire Hazards:</b>	When heated to decomposition, it emits toxic fumes.
<b>Flammable Properties:</b>	Not flammable by WHMIS/OSHA criteria.
<b>Special Instructions:</b>	Store in cool, dry area. Becomes hygroscopic at 75% relative humidity.
<b>Protection of Firefighters:</b>	Firefighters should wear full protective clothing including self-contained breathing apparatus.

## SECTION 6 – PRECAUTIONS AND ACCIDENTAL RELEASE MEASURES

<b>Spill or Leak:</b>	Contain spills to prevent contamination of water supply or sanitary sewer system. Sweep/vacuum up dry material into container for proper disposal.
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## SECTION 7 – HANDLING AND STORAGE

<b>Ventilation:</b>	Local exhaust if dusty conditions prevail.
<b>Normal Handling:</b>	Avoid eye contact or prolonged skin contact.
<b>Storage:</b>	Wet/ damp conditions can cause caking or corrosion of metal contact surfaces. Store under DRY conditions to prevent CAKING. Store pallets under protective cover. Do not store bags directly on damp or concrete floors.

## SECTION 8 – EXPOSURE CONTROLS/ PERSONAL PROTECTIVE EQUIPMENT

<b>Respiratory Protection:</b>	When required, use a respirator approved by NIOSH for product dust.
<b>Eyes and Face:</b>	Chemical safety goggles are recommended.
<b>Arms and Body:</b>	Protective clothing in dusty areas may be worn.
<b>Hands:</b>	Gloves are recommended. Wash hands after handling.
<b>ACGIH-TLV:</b>	Not established.
<b>OSHA-PEL :</b>	Not established.

The components of this product are not listed by IARC, NTP or OSHA as a carcinogen for hazard communication purposes.

## SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Crystalline solid
<b>Color:</b>	Light green
<b>Odor:</b>	Odorless
<b>Boiling Point:</b>	N/A
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	1.25
<b>Vapor Pressure:</b>	N/A
<b>Solubility in Water:</b>	Very soluble
<b>pH:</b>	N/A
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A

## SECTION 10 – REACTIVITY DATA

<b>Stability:</b>	Decomposes >350°F
<b>Conditions to avoid:</b>	Will corrode most metals exposed to air; react with sulfuric acid to form hydrogen chloride, which is corrosive, irritating and reactive; give an exothermic reaction with water, reactive materials such as sodium; result (cont'd)

in runaway polymerization with methyl vinyl ether; releasing ammoniacal vapors when mixed with some ammonium compounds,

**Decomposition products:** May evolve chlorine gas when in contact with strong acids.

#### **SECTION 11 – TOXICOLOGICAL INFORMATION**

Not classified or listed by IARC, NTP, OSHA OR ACGIH for sensitization, chronic effects, carcinogenicity, mutagenicity, reproductive effects, or teratogenicity.

#### **SECTION 12 – ECOLOGICAL INFORMATION**

**Ecotoxicity:** May be harmful to freshwater aquatic species and plants that are not tolerant to inorganic salts.

**Environmental Effects:** Not available

**Aquatic Toxicity:** Not available

**Persistence/ degradability:** Not available

**Bioaccumulation/accumulation:** Not available

#### **SECTION 13 – DISPOSAL CONSIDERATIONS**

**Disposal Instructions:** Waste must be disposed of in a manner that meets federal, state, and local environmental control regulations.

#### **SECTION 14 – TRANSPORT INFORMATION**

**Department of Transportation (DOT):** Not regulated as dangerous goods.

**Transportation of Dangerous Goods (TDG):** Not regulated as dangerous goods.

#### **SECTION 15 – REGULATORY INFORMATION**

**U.S. Federal Regulations:** This product is not known to be a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

**CERCLA Reportable Quantity:** None  
(Superfund)

**OSHA Status:** Not listed

**TSCA Status:** Not controlled

**WHMIS Status:** Not controlled

**RCRA Status:** Not listed

#### **SECTION 16 – ADDITIONAL INFORMATION**

**This product is not for food or drug use.**

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