



SAFETY DATA SHEET (SDS)

TruMelt DEFENDER PLUS

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: TruMelt DEFENDER PLUS

Relevant Use: Ice Melt

Chemical Family: Inorganic Salts (alkali metals – halogens)

Manufacturing Company: AgSalt Processing (www.agsalt.com)

Address: 3740 Hanover Rd

Gettysburg, Pa 17325

Emergency Contact: (814)-789-2219

Date Issued: 07/1/13

Date Revised: 08/06/2018

SECTION 2 – HAZARDS INFORMATION

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

- A. Classification of the substance or mixture
OSHA HCS 2012 | Not classified

- B. Label elements
OSHA HCS 2012
Hazard statements | No label element(s) required

- C. Other hazards
OSHA HCS 2012 | This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

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 3 – COMPOSITION AND INGREDIENT INFORMATION

Chemical Name	Identifiers	% or PPM	Classification
Sodium Chloride	7647-14-5	> 98%	OSHA HCS 2012: Not Classified
Chloride Solution	7791-18-6	< 2%	NA
Sodium Ferrocyanide (YPS)	13601-19-9	80PPM	OSHA HCS 2012: Not Classified
Green Color	NA	0.02%	NA
Inert materials	NA	Balance	NA

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 –FIRE FIGHTING MEASURES

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

SECTION 6 –ACCIDENTAL RELEASE MEASURES

- Spill or Leak:** Contain spills to prevent contamination of water supply or sanitary sewer system. Sweep/vacuum up dry material into container for proper disposal.

SECTION 7 – HANDLING AND STORAGE

- Ventilation:** Local exhaust if dusty conditions prevail.
- Normal Handling:** Avoid eye contact or prolonged skin contact.
- Storage:** 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

- Respiratory Protection:** When required, use a respirator approved by NIOSH for product dust.



Eyes and Face: Chemical safety goggles are recommended.
Arms and Body: Protective clothing in dusty areas may be worn.
Hands: Gloves are recommended. Wash hands after handling.
ACGIH-TLV: Not established.
OSHA-PEL : 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

Appearance: Crystalline solid
Color: Dark green
Odor: Odorless
Boiling Point: N/A
Specific Gravity (H₂O = 1): 1.25
Vapor Pressure: N/A
Solubility in Water: Very soluble
pH: N/A
Vapor Pressure: N/A
Vapor Density: N/A

SECTION 10 – REACTIVITY DATA

Stability: Decomposes >350°F
Conditions to avoid: 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 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

U.S. Pennsylvania - Right to Know

<u>Chemical Name</u>	<u>Identifiers</u>	<u>Hazard List</u>
Sodium Chloride	7647-14-5	Not Listed
Chloride Solution	NA	Not Listed
Sodium Ferrocyanide (YPS)	13601-19-9	Not Listed
Color	NA	Not Listed
Inert materials	NA	Not Listed

SECTION 16 – ADDITIONAL INFORMATION

This product is not for food or drug use.

This material safety data sheet is offered solely for your information, consideration, and investigation, and as a guide. While the information contained herein is, to the best of our knowledge, reliable and accurate, AgSalt Processing provides no warranty, either express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein. AgSalt Processing will not assume any liability for damages resultant from the use of the material described. It is the responsibility of the user to instruct employees in the proper and safe use of the abovementioned chemical, to maintain a safe work environment, and, to comply with all applicable State, Federal, and local laws which apply to the use, storage, and application of this product.