



**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identity:** MeltDown Extreme Zero

**Chemical Name:** Calcium chloride pellet.

**Recommended use of the chemical and restrictions on use:** De-icing and anti-icing.

**Manufacturer:** EnviroTech Services, Inc.  
910 54<sup>th</sup> Avenue Suite 230  
Greeley, CO 80634

**Telephone:** (970) 346-3900

**Emergency Phone: CHEMTREC: (800) 424-9300**

**SDS Date of Preparation:** 7/17/2017

**2. HAZARDS IDENTIFICATION**

**GHS Classification:**

Physical	Health	Environment
Not Hazardous	Eye Irritation Category 2A	Not Hazardous

**GHS Label Elements:**



Warning!

Causes serious eye irritation.

Wash thoroughly after handling.

Wear eye and face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical attention.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS No.	Amount
Calcium Chloride	10043-52-4	94-97%
Potassium Chloride	7447-40-7	2-3%
Water	7732-18-5	< 1%
Sodium Chloride	7647-14-5	1-2%

#### 4. FIRST AID MEASURES

**Eye:** Flush victim's eyes with water while holding the eyelids apart. Get medical attention if irritation occurs and persists.

**Skin:** Wash skin thoroughly with soap and water. Get medical attention if irritation develops. Remove and launder clothing before reuse.

**Ingestion:** Do not induce vomiting unless directed to do so by a medical professional. Rinse mouth with water and give one glass of water to drink. Do not give liquids to an unconscious person. Get medical attention if symptoms develop.

**Inhalation:** If symptoms occur, remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.

**Most important Symptoms:** Causes eye irritation. Inhalation causes respiratory tract irritation. Swallowing large amounts may cause gastrointestinal irritation or ulceration.

**Indication of immediate medical attention/special treatment:** Immediate medical attention is recommended for eye contact.

#### 5. FIRE FIGHTING MEASURES

**Suitable (and Unsuitable) Extinguishing Media:** Use media appropriate for surrounding fire. Cool fire exposed containers and structures with water.

**Specific hazards arising from the chemical:** None known.

**Special Protective Equipment and Precautions for Fire-Fighting Instructions:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Aqueous solutions may cause surfaces to be extremely slippery and cause a slip hazard.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Wear appropriate protective clothing as described in Section 8. Wash thoroughly after handling.

**Methods and Materials for Containment and Cleaning Up:** Sweep up material and collect in a suitable container for disposal. Flush spill area with water only once material is swept. Report releases as required by local, state, and federal authorities.

#### 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid contact with the eyes, skin, and clothing. Avoid breathing vapors. Heat develops during dilution or dissolving is very hot. Use cool water and dilute or dissolve slowly. Wear protective clothing and equipment as described in Section 8. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

**Conditions for Safe Storage:** Store in a cool, dry, well-ventilated area away from incompatible materials. Corrosive to some metals.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines:**

Calcium Chloride	None Established
Potassium Chloride	None Established
Sodium Chloride	None Established

**Engineering Controls:** Use with adequate general ventilation to minimize exposures.

**Respiratory Protection:** In operations where exposure levels are excessive, a NIOSH approved respirator with dust cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

**Skin Protection:** Wear impervious gloves such as rubber or neoprene if needed to avoid prolonged skin contact.

**Eye Protection:** Safety glasses recommended.

**Other:** Long-sleeved clothing and long pants recommended to avoid prolonged skin contact. Suitable washing facilities should be available in the work area.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance And Odor:** White pellets with no odor.

<b>Physical State:</b> Solid	<b>Specific Gravity:</b> Not applicable
<b>Vapor Density:</b> Not determined	<b>Initial Boiling Point/Range:</b> Not determined
<b>Solubility In Water:</b> > 99% at 20°C	<b>Vapor Pressure:</b> Not determined
<b>Density:</b> 52-58 lb/ft <sup>3</sup>	<b>Evaporation Rate:</b> Not determined
<b>Melting Point:</b> Approximate 770°C	<b>pH:</b> Not applicable
<b>% Volatile by weight:</b> Not determined	<b>Octanol/Water Coefficient:</b> Not determined
<b>Solubility (other):</b> Not determined	<b>Decomposition Temperature:</b> Not determined
<b>Viscosity:</b> Not applicable	<b>Flammability (solid, gas):</b> Not flammable
<b>Flashpoint:</b> Not applicable	<b>Autoignition Temperature:</b> Not determined
<b>Flammable Limits: LEL:</b> Not determined	<b>Hygroscopic:</b> Yes

**10. STABILITY AND REACTIVITY**

**Reactivity:** Hygroscopic.

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** None known.

**Conditions to Avoid:** Avoid moisture.

**Hazardous Polymerization:** Will not occur.

**Incompatible Materials:** Heat is generated when mixed with water. Spattering and boiling can occur. Avoid contact with sulfuric acid. Corrosive to metals when wet. Flammable hydrogen may be generated from contact with some metals (i.e. Zinc, Sodium). Avoid contact with oxidizers.

**Hazardous Decomposition Products:** Does not decompose.

## 11. TOXICOLOGICAL INFORMATION

### HEALTH HAZARDS:

**Ingestion:** Ingestion causes gastrointestinal irritation. High doses may cause ulceration.

**Inhalation:** Inhalation causes irritation of the nose, throat, and upper respiratory tract.

**Eye:** Causes eye irritation.

**Skin:** May cause slight irritation on prolonged or repeated contact.

**Sensitization:** This material is not known to cause sensitization.

**Chronic:** None known.

**Carcinogenicity:** None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP, or OSHA.

**Germ Cell Mutagenicity:** None currently known.

**Reproductive Toxicity:** None currently known.

### Numerical Measures of Toxicity:

LD50 (oral, rat): 918-1,668 mg/kg

LD50 (dermal, rabbit): > 5,000 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

#### Aquatic Toxicity:

LD50 > 100 mg/L

#### Freshwater Fish Toxicity:

LD50 (Iepomis macrochirus): 8,350 – 10,650 mg/L

#### Invertebrate Toxicity:

LD50 (Daphnia magna): 759-3,005 mg/L

**Persistence and Degradability:** Not applicable

**Bioaccumulative Potential:** Not expected

**Mobility in Soil:** Very high, Koc 0-50.

**Other Adverse Effects:** None known

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state, and federal environmental regulations.

## 14. TRANSPORT INFORMATION

### DOT Hazardous Materials Description:

Proper Shipping Name: Not regulated

UN Number: None

Hazard Class/Packing Group: None

Labels Required: None

## 15. REGULATORY INFORMATION

**CERCLA:** This product is not subject to CERCLA release reporting. Many states have more stringent release reporting requirements. Report spills required under federal, state, and local regulations.

**SARA Hazard Category (311/312):** Refer to Section 2 for OSHA Hazard Classification.

**SARA 313:** This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): None

**EPA TSCA Inventory:** All of the ingredients in this product are listed on the EPA TSCA Inventory.

### CANADA:

This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

**Canadian CEPA:** All the components of this product are listed on the Canadian DSL.

**Canadian WHMIS Classification:** D2B

## 16. OTHER INFORMATION

**NFPA Rating:** Health = 1      Flammability = 0      Instability = 0  
**HMIS Rating:** Health = 2      Flammability = 0      Physical Hazard = 0

### SDS Revision History:

5/15/2014: New SDS

4/23/2015: Updated SDS with new classification

4/12/2016: Revised with NFPA Rating change to reflect updated raw material NFPA rating change.

7/17/2017: Reviewed, no changes required

**Disclaimer:** *This Safety Data Sheet (SDS) is provided in response to customer requests to address the safe handling of the product. All statements, technical information and recommendations contained herein are the best of our knowledge, reliable and accurate. This SDS is not intended to make any representation as to how the product will perform when used for its intended purpose by a user. In that regards the product is sold "AS IS" and nothing in this SDS should be deemed to be a representation or warranty of any injury, loss, or damage, of any kind or nature, which are sustained by or arise from the use of the product. Nothing in this SDS is intended to be a representation or warranty by the manufacturer of the accuracy, safety, or usefulness for any purpose of any technical information, materials, techniques, or practices.*

*The information contained in this Safety Data Sheet is, to the best of our knowledge, accurate and reliable. This information should be provided to all individuals handling this product. Federal, state, and local regulations should be followed when handling this product.*