



1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: Calcium Chloride with ESI Inhibitor

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

Manufacturer: EnviroTech Services, Inc.
910 54th Ave, Suite 230
Greeley, CO 80634

Telephone: (970) 346-3900

Emergency Phone: CHEMTREC: (800) 424-9300

SDS Date of Preparation: 6/23/2017

2. HAZARDS IDENTIFICATION

GHS Classification:

Physical	Health	Environment
Not Hazardous	Eye Irritation Category 2	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
Water and Non-Hazardous Components	Mixture	Balance
Calcium Chloride	10043-52-4	28-32%
Magnesium Chloride	7791-18-6	0.5-2.5%
Proprietary Corrosion Inhibitor Enhancer Blend	Proprietary	2-10%

The exact concentration is being withheld as a trade secret.

4. FIRST AID MEASURES

Eye: Flush victim's eyes with large quantities of water for several minutes, while holding the eyelids apart. Remove contact lenses if safe and easy to do. Get medical attention if irritation 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. Rinse mouth with water and give one glass of water to drink. Never give anything by mouth an unconscious or convulsing person. Get medical attention if symptoms develop.

Inhalation: Remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.

Most Important Symptoms: May cause moderate eye irritation. May cause skin irritation.

Indication of immediate medical attention/special treatment: Immediate medical attention is not required.

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: Thermal decomposition may yield oxides of carbon and other harmful or irritating chemicals.

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: Avoid contact with eyes, skin and clothing. Avoid breathing mists or aerosols. Wear appropriate protective clothing as described in Section 8. Wash thoroughly after handling.

Methods and Materials for Containment and Cleaning Up: Dike and collect liquid or absorb with an inert absorbent and place in appropriate containers for disposal. Flush spill area with water. 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 mists or aerosols. 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, Including Any Incompatibilities: Store in a cool, dry, well-ventilated area away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Water and Non-Hazardous Components	None Established
Calcium Chloride	None Established
Magnesium Chloride	None Established
Proprietary Corrosion Inhibitor Enhancer Blend	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/mist 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 goggles 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: Clear to amber liquid.

Physical State: Liquid	Odor Threshold: Not established
Vapor Density: Not determined	Initial Boiling Point/Range: Not determined
Solubility In Water: Soluble	Vapor Pressure: Not determined
Relative Density: 1.30 – 1.34	Evaporation Rate: Not determined
Melting/Freezing Point: 1:1 Freeze Point with water is 0°F (-17.8°C)	pH: As sold: 4 - 9 Diluted 1:4: 6 - 9
VOC Content: Not determined	Octanol/Water Coefficient: Not determined
Solubility: Dispersible	Decomposition Temperature: Not determined
Viscosity: <60 cP @ 70°F	Flammability (solid, gas): Not applicable
Flashpoint: Not determined	Autoignition Temperature: Not determined
Flammable Limits: LEL: Not determined	UEL: Not determined

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: Calcium chloride may react with zinc and release hydrogen gas.

Conditions to Avoid: None known.

Incompatible Materials: Strong oxidizing agents, concentrated acids, and some metals.

Hazardous Decomposition Products: When heated to decomposition emits oxides of carbon and other harmful or irritating chemicals.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Ingestion: Ingestion may cause slight irritation with nausea, vomiting and diarrhea.

Inhalation: Inhalation of mists may cause slight irritation of the nose throat and upper respiratory tract.

Eye: May cause moderate irritation with pain and tearing.

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:

No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Product: Fathead minnow NOEC: 1.00 g/L; Ceriodaphnia dubia NOEC: 1.00 g/L; Pseudokirchneriella subcapitata growth NOEC: 3.00 g/L

Persistence and Degradability: Biodegradation is not applicable to inorganic substances.

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

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: Class D2B (Toxic material causing other toxic effects)

16. OTHER INFORMATION

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

SDS Revision History:

2/06/2017: New SDS

6/23/2017: 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.*