

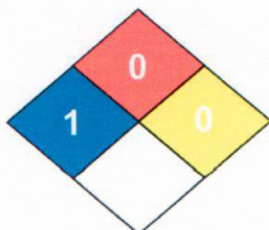
Safety Data Sheet

Version: 5.0

Preparation Date: December, 2015

Supersedes All Previous Versions

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION



Product Name: Bare Ground Bolt Calcium Chloride
Product Use: De-icing
Manufacturer/Distributor: Innovative Surface Solutions
78 Orchard Road 454 River Road
Ajax, Ontario Glenmont, NY
L1S 6L1 12077
Telephone: 1-800-387-5777 1-800-257-5808
24-Hour Emergency Telephone: 613-996-6666 1-800-424-9300
WHMIS Classification: Not controlled
Chemical Family: Inorganic salt solution

SECTION 2: HAZARD(S) IDENTIFICATION

| GHS Classification | | |
|--------------------------|---|---------------|
| Physical | Health | Environment |
| Not Hazardous | Eye irritation Category 2A | Not Hazardous |
| GHS hazard Pictogram | | |
| Signal Word | Warning | |
| Hazard Statement | H319 Causes Serious Eye Irritation P280 Wear Protective Gloves / Protective Clothing / Eye Protection / Face Protection | |
| Precautionary Statements | P264 Wash hands thoroughly after handling P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: get medical advice / attention. | |

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Components | CAS # | % by Weight |
|------------------|------------|-------------|
| Calcium Chloride | 10043-52-4 | 32.0% |



Bare Ground Systems

P. O. Box 3477

Framingham, MA 01705

SECTION 4: FIRST-AID MEASURES

Eye

Remove contact lenses if present. Rinse eyes thoroughly with wash solution or clean water for at least 10 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical attention.

Skin

Remove contaminated clothing; wash off any skin contamination immediately with plenty of water. Launder cloths before re-use.

Ingestion

DONOT Induce vomiting. Wash out mouth with water and give plenty of water to drink (at least 300 ml). Obtain medical advice if symptoms persist.

Inhalation

The product is only possible to inhale if it is sprayed. Remove to fresh air, keep warm and at rest. If symptoms persist; seek medical attention.

Most Important Symptoms

May cause slight eye and skin irritation.

**Indication of Immediate Medical Attention /
Special Treatment**

Immediate medical attention is not required.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Appropriate extinguishing media. This product is not combustible. Choose media depending on surrounding fire. All extinguishing medias are allowed.

**Specific Hazards Arising from the Chemical
Protective Equipment and Precautions**

Expose to temperature above 160 C gives formation of toxic chloride gases. Protective actions and / or special protective equipment depending on surrounding fire. Aqueous solutions may cause surfaces to be extremely slippery and cause a slip hazard.

SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and
Emergency Procedure**

Wear appropriate protective clothing as describe in section 9. Wash thoroughly after handling.

**Methods and Materials for Containment and
Cleaning up**

Embark with sand or other inert material and collect the material as much as possible in a suitable container, preferably for re-use, otherwise for disposal. Wash the area with large quantities of water but not in sensitive environment. Report releases as required by local, state, and federal authorities.

SECTION 7: HANDLING & STORAGE

Precaution for Safe Handling

Wear protective clothing and equipment. Avoid contact with eyes, skin and clothing. Avid breathing mist or aerosols.

Safe Storage / Incompatibilities

Wash your skin thoroughly with soap and water after handling, if product comes in contact.

Store in cool, dry, well-ventilated area away from incompatible material. Carbon Steel, polyester, polyethylene and polypropylene are suitable material for construction. Do not store with acids and / or strong oxidizing and / or reducing agents.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Guidelines

Handling of aqueous Calcium Chloride normally does not demand any special exhaust ventilation.

Respiratory Protection

For dusty or misty conditions, wear NIOSH approved dust or mist respirator.

Skin Protection

Wear rubber or neoprene gloves, boots and long sleeve shirts.

Eye Protection

Wear safety goggles.

Other

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



SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

| | |
|-----------------------|--|
| Physical State: | Liquid |
| Appearance Odor: | Clear colorless Odorless |
| Odor Threshold: | Not established |
| Specific Gravity: | 1.3190g/mL |
| pH: | 7.0 to 11.0 in 10% water solution |
| Vapor Pressure: | 0.1 Pa at 20 C |
| Solubility in Water: | 745 g / L at 20 C, 1590 g / L at 100 C |
| % Volatile: | Not determined |
| Vapor Density: | Not determined |
| Initial Boiling Point | >1600 C |

SECTION 10: STABILITY & REACTIVITY

| | |
|----------------------------------|---|
| Reactivity / Chemical Stability | Calcium chloride can react with strong reducing or oxidizing agents. |
| Conditions to Avoid | None known |
| Incompatible Material | Strong oxidizing agents, concentrated acids and some metals. |
| Hazardous Decomposition Products | When heated product decomposes and emits hydrogen chloride, halogenated compounds and chloride gas. |

SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|-----------------------|--|
| Ingestion | Ingestion may cause slight irritation with nausea, vomiting and diarrhea. |
| Inhalation | Inhalation of mist may cause slight irritation of nose, throat and upper respiratory tract. |
| Eye | May cause minor irritation with pain and tearing. |
| Skin | May cause slight irritation on prolonged or repeated contact. |
| Carcinogenicity | None of the component in the product is listed as carcinogen or suspected carcinogen by IARC, NTP or OSHA. |
| Reproductive Toxicity | None. |
| Chronic | None known. |

SECTION 12: ECOLOGICAL INFORMATION

| | |
|-------------------------------|--------------------|
| Eco toxicity | No data available. |
| Persistence and Degradability | Not applicable. |
| Bio accumulative Potential | No data available. |
| Mobility in Soil | No data available. |
| Other Adverse Effects | None known. |

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

| | |
|------------------------------|---------------|
| Proper Shipping Name | Not regulated |
| UN Number | None |
| Hazard Class / packing Group | None |
| Label Required | None |



SECTION 15: REGULATORY INFORMATION

DOT hazard material Description
CERCLA

Not regulated, no label required
This product is not subjected 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)
SARA 313
EPA TSCA Inventory

Not Hazardous
None
All of the ingredients in this product are listed on the EPA TSCA Inventory.

CEPA
WHMIS Classification

All the components of this product are listed on the Canadian DSL
Not classified as dangerous.

SECTION 16: PREPARATION INFORMATION

Prepared By:
Telephone:
Preparation Date:
Superseded Date:

Innovative Surface Solutions
905-427-0318
April, 2015
ALL PREVIOUS VERSIONS

