

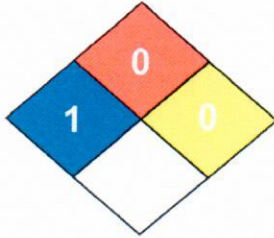
# Safety Data Sheet

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  
Ajax, Ontario  
L1S 6L1

454 River Road  
Glenmont, NY  
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%



#### **SECTION 4: FIRST-AID MEASURES**

<b>Eye</b>	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.
<b>Skin</b>	Remove contaminated clothing; wash off any skin contamination immediately with plenty of water. Launder cloths before re-use.
<b>Ingestion</b>	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.
<b>Inhalation</b>	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.
<b>Most Important Symptoms</b>	May cause slight eye and skin irritation.
<b>Indication of Immediate Medical Attention / Special Treatment</b>	Immediate medical attention is not required.

#### **SECTION 5: FIRE FIGHTING MEASURES**

<b>Suitable Extinguishing Media</b>	Appropriate extinguishing media. This product is not combustible. Choose media depending on surrounding fire. All extinguishing medias are allowed.
<b>Specific Hazards Arising from the Chemical</b>	Expose to temperature above 160 C gives formation of toxic chloride gases
<b>Protective Equipment and Precautions</b>	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**

<b>Personal Precautions, Protective Equipment and Emergency Procedure</b>	Wear appropriate protective clothing as describe in section 9. Wash thoroughly after handling.
<b>Methods and Materials for Containment and Cleaning up</b>	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**

<b>Precaution for Safe Handling</b>	Wear protective clothing and equipment. Avoid contact with eyes, skin and clothing. Avid breathing mist or aerosols. Wash your skin thoroughly with soap and water after handling, if product comes in contact.
<b>Safe Storage / Incompatibilities</b>	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**

<b>Exposure Guidelines</b>	Handling of aqueous Calcium Chloride normally does not demand any special exhaust ventilation.
<b>Respiratory Protection</b>	For dusty or misty conditions, wear NIOSH approved dust or mist respirator.
<b>Skin Protection</b>	Wear rubber or neoprene gloves, boots and long sleeve shirts.
<b>Eye Protection</b>	Wear safety goggles.
<b>Other</b>	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 know.

## 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

