

# SAFETY DATA SHEET

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name Bare Ground Liquid Deicer

### Other means of identification

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Ice Control

Uses advised against No information available

### Details of the supplier of the safety data sheet

Supplier Name E. Brookmyer, Inc. d/b/a Bare Ground Systems  
Supplier Address 2 Sterling Road

Billerica

MA

01862

US

Supplier Phone Number Phone:6178773101

Fax:9784399868

Contact Phone9784399862

Supplier Email EBrookmyer@gmail.com

Emergency telephone number

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)  
MAGNESIUM CHLORIDE (90%) AND CORN DERIVED CORROSION INHIBITOR/ENHANCER

### GHS Label elements, including precautionary statements

### Emergency Overview





**Ingestion** Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical**

No information available.

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** No.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with eyes.

### Environmental Precautions

**Environmental Precautions** Refer to protective measures listed in Sections 7 and 8.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep container tightly closed.

**Incompatible Products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** No special protective equipment required.

**Skin and Body Protection** No special protective equipment required.



**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

None known based on information supplied.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

Carbon oxides.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

|                            |   |
|----------------------------|---|
| <b>Product Information</b> | Product does not present an acute toxicity hazard based on known or supplied information. |
| <b>Inhalation</b>          | Specific test data for the substance or mixture is not available.                         |
| <b>Eye Contact</b>         | Specific test data for the substance or mixture is not available.                         |
| <b>Skin Contact</b>        | Specific test data for the substance or mixture is not available.                         |
| <b>Ingestion</b>           | Specific test data for the substance or mixture is not available.                         |

**Component Information**

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|                              |  |
|------------------------------|--|
| <b>Sensitization</b>         | No information available.                      |
| <b>Mutagenic Effects</b>     | No information available.                      |
| <b>Carcinogenicity</b>       | Contains no ingredient listed as a carcinogen. |
| <b>Reproductive Toxicity</b> | No information available.                      |



**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                       |                          |                       |                          |
|-----------------------|--------------------------|-----------------------|--------------------------|
| <b>Physical State</b> | Liquid                   | <b>Odor</b>           | Of vinegar               |
| <b>Appearance</b>     | Clear to yellow          | <b>Odor Threshold</b> | No information available |
| <b>Color</b>          | No information available |                       |                          |

| <u>Property</u>                        | <u>Values</u>      | <u>Remarks</u> | <u>Method</u> |
|--|--------------------|----------------|---------------|
| pH                                     | 7                  | None known     |               |
| Melting / freezing point               | No data available  | None known     |               |
| Boiling point / boiling range          | 212 °C / 414 °F    | None known     |               |
| Flash Point                            | 5001 C / 9034 F    | None known     |               |
| Evaporation Rate                       | No data available  | None known     |               |
| Flammability (solid, gas)              | No data available  | None known     |               |
| Flammability Limit in Air              |                    |                |               |
| Upper flammability limit               | No data available  |                |               |
| Lower flammability limit               | No data available  |                |               |
| Vapor pressure                         | No data available  | None known     |               |
| Vapor density                          | No data available  | None known     |               |
| Specific Gravity                       | No data available  | None known     |               |
| Water Solubility                       | Completely soluble | None known     |               |
| Solubility in other solvents           | No data available  | None known     |               |
| Partition coefficient: n-octanol/water | No data available  | None known     |               |
| Autoignition temperature               | No data available  | None known     |               |
| Decomposition temperature              | No data available  | None known     |               |
| Kinematic viscosity                    | No data available  | None known     |               |
| Dynamic viscosity                      | No data available  | None known     |               |
| Explosive properties                   | No data available  |                |               |
| Oxidizing Properties                   | No data available  |                |               |

### Other Information

|                                   |                   |
|-----------------------------------|-------------------|
| <b>Softening Point</b>            | No data available |
| <b>VOC Content (%)</b>            | No data available |
| <b>Particle Size</b>              | No data available |
| <b>Particle Size Distribution</b> |                   |



**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic Toxicity** No known effect based on information supplied.

**Target Organ Effects** None known.

**Aspiration Hazard** No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)**  
3,111.00 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**  
The environmental impact of this product has not been fully investigated.

**Persistence and Degradability**  
No information available.

**Bioaccumulation**  
No information available

**Other adverse effects**  
No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal methods** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging** Dispose of contents/containers in accordance with local regulations.

**California Hazardous Waste Codes** 135

**14. TRANSPORT INFORMATION**





**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations.

**International Regulations**

Canada  
 WHMIS Hazard Class  
 Non-controlled

**16. OTHER INFORMATION**

|      |                  |                |                   |                                    |
|------|------------------|----------------|-------------------|------------------------------------|
| NFPA | Health Hazards 1 | Flammability 0 | Instability 0     | Physical and<br>Chemical Hazards - |
| HMIS | Health Hazards 1 | Flammability 0 | Physical Hazard 0 | Personal Protection<br>X           |

**Prepared By** Product Stewardship  
 23 British American Blvd.  
 Latham, NY 12110  
 1-800-572-6501

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**End of Safety Data Sheet**

