

# Safety Data Sheet

Issued Date: June 15, 2015

Revision Date: June 15, 2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

Product Name GRN-660 Ice Melt for Sidewalks and Parking Lots

### Other means of identification

Product Code GRN-660

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

Recommended Use Melting of ice and snow. Effective in temperatures down to -10 °F.

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

Missouri Vocational Enterprises  
 2727 Highway K  
 Bonne Terre, MO 63628  
 Phone: (573) 358-5516

### Emergency Telephone Number

INFOTRAC 1-800-535-5053 (North America)  
 1-352-323-3500 (International)

## 2. HAZARDOUS IDENTIFICATION

Signal Word **WARNING**

Classification	Hazard Category
Skin - Corrosion/Irritation	2
Serious Eye - Damage/Irritation	2B
Acute Toxicity - Oral	4
Acute Toxicity - Dermal	Not classified
Specific Target Organ Toxicity - Single Exposure	3

### Health Hazard Statement(s)

H302 – Harmful if swallowed  
 H315 – Causes skin irritation  
 H319 – Causes eye irritation  
 H335 – May cause respiratory irritation

### Hazard Pictogram(s)



### Hazard Ratings

	HMIS	NFPA
Health	2	1
Flammability	0	0
Reactivity	0	0
PPE	N/A	N/A

### Precautionary Statement(s)

P102 – Keep out of reach of children.  
 P202 – Do not handle until all safety precautions have been read and understood.  
 P264 – Wash hands thoroughly after use.  
 P280 – Wear protective gloves, clothing, and eye protection.  
 P301+P310+P331 – IF SWALLOWED: Immediately call a POISON CENTER. DO NOT induce vomiting.  
 P303+P361+P353 – IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.  
 P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

P501 – Dispose of contents and/or container in accordance with local, regional, national or international regulations.

#### Potential Health Effects

<b>Skin Contact</b>	May cause irritation.
<b>Eye Contact</b>	May cause severe irritation.
<b>Inhalation</b>	Not an expected route of exposure.
<b>Ingestion</b>	May cause stomach pain.

### 3. COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name/Pure Substance	CAS #	Weight-%
Calcium Chloride	10043-52-4	25-30
Urea Industrial Grade	57-13-6	3-6
Magnesium Chloride	7791-18-6	1-5
Triethanolamine	102-71-6	0-2

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. FIRST-AID MEASURES

<b>General Advice</b>	If you feel unwell, seek medical advice (show label where possible).
<b>Eye Contact</b>	Immediately flush eyes with water continuously for at least 15 minutes getting under the upper and lower eyelids as well.
<b>Skin Contact</b>	Flush with water or shower.
<b>Inhalation</b>	Remove to fresh air. If symptoms persist get medical advice/attention.
<b>Ingestion</b>	Do NOT induce vomiting. Give large amounts of water and transport to medical facility.

#### Most important symptoms and effects

Eye and skin irritation. Continued contact with the eyes or skin could cause more serious symptoms to occur, such as, severe skin and eye burns and damage.

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

Suitable Extinguishing Media: This material does not burn. Use media suitable to the surrounding fire.

Unsuitable Extinguishing Media: This material does not burn. Use media suitable to the surrounding fire.

#### Specific Hazards Arising from the Chemical

This material does not burn.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus and full protective fire fighting gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Isolate the area. Avoid contact with skin and eyes. Wash exposed body areas thoroughly after handling.
<b>Environmental precautions</b>	Not expected to be harmful to the environment.

**Methods and material for containment and clean up**

<b>Methods for Containment</b>	Stop the flow of material if safe to do so. Dike the spilled area where possible.
<b>Methods for Clean up</b>	Absorb spill with materials such as sand, earth, or vermiculite. Collect material in a suitable and properly labeled container. Flush residue with plenty of water.

**7. HANDLING AND STORAGE****Precautions for safe handling**

As with all chemicals, good industrial hygiene should be followed when handling this product. Appropriate gloves and safety glasses/goggles. Wash thoroughly after handling. Wash hands before breaks, eating, drinking, or smoking.

**Conditions for safe storage, including any incompatibilities**

Store container tightly closed and in a cool, dry area away from direct sunlight and moisture.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Appropriate engineering controls**

Engineering Controls Use only in well-ventilated areas.

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

Eye/Face Protection	Wear safety glasses with side shields or chemical goggles.
Skin and Body Protection	Wear clean, body-covering clothing.
Respiratory Protection	Not required under normal use conditions.
General Hygiene Considerations	Wear appropriate clothing to guard against splashing. Maintain an eyewash station in the work area.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

<b>Physical State</b>	Liquid	<b>Odor</b>	Not Determined
<b>Color</b>	Clear Amber	<b>Odor Threshold</b>	Not Determined

**Property****Values****Remarks - Method**

<b>pH</b>	Not available	
<b>Melting Point/Freezing Point</b>		
<b>Boiling Point/Boiling Range</b>	252 °F (122 °C)	
<b>Flash Point</b>	Not available	
<b>Evaporation Rate</b>	Not available	
<b>Flammability (Solid, Gas)</b>	Not available	
<b>Upper Flammability Limits</b>	Not available	
<b>Lower Flammability Limits</b>	Not available	
<b>Vapor Pressure</b>	7-15 mmHg @ 77 °F (25 °C)	
<b>Vapor Density</b>	Not available	
<b>Specific Gravity</b>	1.334	
<b>Water Solubility</b>	Complete	
<b>Solubility in other solvents</b>	Not available	
<b>Partition Coefficient</b>	Not available	
<b>Auto-ignition Temperature</b>	Not available	
<b>Decomposition Temperature</b>	Not available	
<b>Viscosity</b>	Not available	

Explosive Properties	Not available
Oxidizing Properties	Not available

## 10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal use and conditions.
Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Temperatures above 350 °F
Incompatible materials	Aluminum, yellow brass, sulfuric acid, and zinc.
Hazardous Decomposition Products	Will not decompose.
Hazardous Polymerization	Not available.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Eye contact	May cause irritation and possibly damage.
Skin contact	May cause irritation. Long term exposure could lead to skin burns.
Ingestion	May result in gastrointestinal pain and damage.
Inhalation	Not a likely route of exposure.

**Symptoms related to the physical, chemical, and toxicological characteristics** Swelling, pain, or redness in and around the eyes. Irritated and possibly redness on the skin which could lead to burns. Pain in the gastrointestinal area.

Carcinogenicity	Not classified as a human carcinogen.
Reproductive toxicity	Not available.
Toxicological information	Not available.

## 12. ECOLOGICAL INFORMATION

Ectotoxicity	Acute amounts are non-toxic to aquatic life. Large amounts or spills could be harmful to aquatic life.
Persistence and degradability	The material is inorganic and not subject to biodegradation.
Bioaccumulative potential	Not expected to accumulate in living organisms.
Other adverse effects	Not available.

## 13. DISPOSAL CONSIDERATIONS

Disposal Instructions	Dispose of in accordance with local, state, and federal regulations. Do not dump into any sewers, on the ground, or into any body of water.
Hazardous Waste Code	Not available.
Waste from residues / unused products	Dispose of to an approved waste management site in accordance with local, state, and federal regulations.
Contaminated Packaging	Dispose of to an approved waste management site in accordance with local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information,

including exemptions and special circumstances.

DOT I.D. Number	Not regulated
DOT Proper Shipping Name	Not regulated
DOT Hazard Classes:	
US DOT	Not regulated
Road (ADR)	Not regulated
Air (ICAO/IMDG)	Not regulated
Sea (IMO/IMDG)	Not regulated
Packing Group	Not regulated
DOT Label	Not regulated

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

Contents of this SDS comply with OSHA Hazard Communication Standard CFR 1910.1200.

### OSHA Hazard Communication Standard (29 CFR 1910.1200)

( X ) Hazardous ( ) Non- Hazardous

### SARA TITLE III

Section 302/304	Extremely Hazardous Substances: No
Section 311/312	(40CFR370) Hazardous Categories: No
Section 313	Contains the following SARA 313 Toxic Release Chemicals: None

### CERCLA

CERCLA Regulatory Not regulated.

### State Regulations

#### California Prop 65

This product may contain the following ingredient(s) known to the state of California to cause cancer, birth defects or other reproductive harm: None

### Inventories

TSCA- All components listed or exempt.

## 16. OTHER INFORMATION

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Issue Date:	June 15, 2015
Revision Date:	June 15, 2015
Revision Number:	1
Prepared By:	Ryan AuBuchon, Chemist I