

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** 970-0050  
**Product Name:** Progreen Plus Ice Melter  
**Company Name:** Progreen Plus  
8170 N. Granville Woods Road  
Milwaukee, WI 53223

**Emergency Contact:** Chemtrec (800)424-9300  
**Information:** Product Related (715)876-6422

**Part Number:** 970-0012, 970-0050 IB

## 2. HAZARDS IDENTIFICATION

**Serious Eye Damage/Eye Irritation, Category 2A**



**GHS Signal Word:** **Warning**

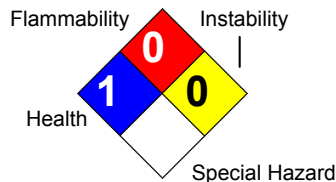
**GHS Hazard Phrases:** Causes serious eye irritation.

**GHS Precaution Phrases:** Wash hands thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

**GHS Response Phrases:** 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 advice/attention.

**GHS Storage and Disposal Phrases:** No phrases apply.

**Hazard Rating System:**



**Potential Health Effects (Acute and Chronic):**

**Inhalation:** May be harmful if inhaled.

**Skin Contact:** May cause skin irritation. May be harmful if absorbed through the skin.

**Eye Contact:** Contact with eyes may cause severe irritation, and possible eye burns.

**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
7647-14-5	Sodium chloride	80 - 90 %
10043-52-4	Calcium chloride	8.0 - 15 %
7791-18-6	Magnesium chloride	2.0 - 10 %

## 4. FIRST AID MEASURES

### Emergency and First Aid

<b>Procedures:</b>	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear. Get medical aid immediately.
<b>In Case of Inhalation:</b>	
<b>In Case of Skin Contact:</b>	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Get medical aid. Wash clothing before reuse.
<b>In Case of Eye Contact:</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.
<b>In Case of Ingestion:</b>	Get medical aid if irritation or symptoms occur. Never give anything by mouth to an unconscious person.
<b>Note to Physician:</b>	Treat symptomatically and supportively.

## 5. FIRE FIGHTING MEASURES

<b>Flash Pt:</b>	No data.
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Autoignition Pt:</b>	No data.
<b>Suitable Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or chemical foam.
<b>Fire Fighting Instructions:</b>	Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. May be combustible at high temperatures. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.
<b>Flammable Properties and Hazards:</b>	No data available.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment. Clean up spills immediately, observing precautions in the Protective Equipment section.
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## 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale. Wash clothing before reuse. Always use cool water when dissolving calcium chloride. Heat evolved is significant.
<b>Precautions To Be Taken in Storing:</b>	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# SAFETY DATA SHEET

## Progreen Plus Ice Melter

Page: 3  
Printed: 12/31/2013  
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CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7647-14-5	Sodium chloride	PEL: Nuisance Dust:15 mg/m3 Total; 5mg/m3 Respirable	TLV: Nuisance Dust:10 mg/m3 Inhalable; 3 mg/m3 Respirable	No data.
10043-52-4	Calcium chloride	PEL: Nuisance Dust:15 mg/m3 Total; 5mg/m3 Respirable	TLV: Nuisance Dust:10 mg/m3 Inhalable; 3 mg/m3 Respirable	No data.
7791-18-6	Magnesium chloride	No data.	No data.	No data.

<b>Respiratory Equipment (Specify Type):</b>	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.
<b>Eye Protection:</b>	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
<b>Protective Gloves:</b>	Wear appropriate protective gloves to prevent skin exposure.
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Engineering Controls (Ventilation etc.):</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low. Good general ventilation should be sufficient to control airborne levels.
<b>Work/Hygienic/Maintenance Practices:</b>	Wash promptly with soap and water if skin becomes contaminated. Change work clothing daily if there is any possibility of contamination.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	[ ] Gas [ ] Liquid [ X ] Solid
<b>Appearance and Odor:</b>	Appearance: White. Crystals.
<b>Melting Point:</b>	No data.
<b>Boiling Point:</b>	No data.
<b>Autoignition Pt:</b>	No data.
<b>Flash Pt:</b>	No data.
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Specific Gravity (Water = 1):</b>	No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.
<b>Vapor Density (vs. Air = 1):</b>	No data.
<b>Evaporation Rate:</b>	No data.
<b>Solubility in Water:</b>	No data.
<b>Percent Volatile:</b>	No data.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Unstable [ ] Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	High temperatures, Incompatible materials, dust generation, Exposure to moist air or water.
<b>Incompatibility - Materials To Avoid:</b>	Metals. Strong oxidizing agents, Strong acids, bromine trifluoride, nitrogen compounds, Furan-2-peroxycarboxylic acid. Solutions attack some metals. attacks metals in the presence of moisture.
<b>Hazardous Decomposition Or Byproducts:</b>	Hydrogen chloride, sodium oxide. Calcium oxide, chlorine.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Information:** Epidemiology: The only adverse effect noted from occupational exposures have been mild nasal irritation with exposure to high dust levels and hypertension.  
 Teratogenicity: No information available. Reproductive Effects: No information found.  
 Neurotoxicity: Mutagenic effects have occurred in experimental animals.  
 CAS# 7647-14-5: Sodium chloride:  
 Acute toxicity, LD50, Oral, Rat, 3000. MG/KG.  
**Carcinogenicity/Other Information:** Results:  
 Skin and Appendages: Skin: After systemic exposure: Dermatitis, other.

Acute toxicity, LD50, Skin, Rabbit, 10000. MG/KG.  
 Results:  
 Behavioral: Tetany.  
 Lungs, Thorax, or Respiration:Dyspnea.  
 Gastrointestinal: Changes in structure or function of salivary glands.

Acute toxicity, LC50, Inhalation, Rat, 42000. MG/M3, 60 M.  
 Results:  
 Skin and Appendages: Skin: After systemic exposure: Dermatitis, other.  
 Nutritional and Gross Metabolic:Changes in:Ca.

CAS# 10043-52-4: Calcium chloride:  
 Acute toxicity, LD50, Dermal, Rabbit, 5000. MG/KG.  
 Results:  
 Behavioral: Changes in psychophysiological tests.

CAS# 7791-18-6: Magnesium chloride:  
 Acute toxicity, LD50, Oral, Rat, 8100. MG/KG.  
 Results:  
 Kidney, Ureter, Bladder:Changes in tubules (including acute renal failure, acute tubular necrosis).  
 Related to Chronic Data - death.

CAS# 7647-14-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 10043-52-4:  
 Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 7791-18-6: Not listed by ACGIH,  
 IARC, NTP, or CA Prop 65.  
 CAS# 7786-30-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7647-14-5	Sodium chloride	n.a.	n.a.	n.a.	n.a.
10043-52-4	Calcium chloride	n.a.	n.a.	n.a.	n.a.
7791-18-6	Magnesium chloride	n.a.	n.a.	n.a.	n.a.

**12. ECOLOGICAL INFORMATION**

**General Ecological Information:** Environmental: No information available.  
 Physical: No information available.  
 Other: Do not empty into drains.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.  
RCRA P-Series: None listed.  
RCRA U-Series: None listed.

### 14. TRANSPORT INFORMATION

**GHS Classification:** Serious Eye Damage/Eye Irritation, Category 2A - Warning! Causes serious eye irritation

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.

**DOT Hazard Class:**

**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not Regulated.

### 15. REGULATORY INFORMATION

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7647-14-5	Sodium chloride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; WI Air: No
10043-52-4	Calcium chloride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; WI Air: No
7791-18-6	Magnesium chloride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; WI Air: No

### 16. OTHER INFORMATION

**Revision Date:** 12/26/2013

**Additional Information About** No data available.

**This Product:**

**Company Policy or**

**Disclaimer:**

This Safety Data Sheet (SDS) is to be used as a reference to address the safe handling of the product. All statements, technical information and recommendations contained herein are to 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 as intended. Nothing in this SDS is intended to be a representation or warranty by the manufacturer with regard to accuracy, safety, usefulness, technical information, materials, techniques, or practices. This 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 sustained by, or arise from, the use of this product.