1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Chemical Product Name  Sodium Chloride (Salt)
Chemical Family      Alkali Metal/Halide
Chemical Name        Sodium Chloride
Formula              NaCl
Molecular Weight     58.44
Commercial Name      Diamond Crystal® GreenMelt™ Ice Melter

Manufacturer          Cargill Incorporated
                      Salt Division
                      P. O. Box 5621
                      Minneapolis, MN  55440

Emergency Telephone Numbers
CHEMTREC  (800) 424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Description
Green crystalline solid.

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
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<tbody>
<tr>
<td>Sodium Chloride</td>
<td>7647-14-5</td>
</tr>
<tr>
<td>Potassium Chloride</td>
<td>7447-40-7</td>
</tr>
<tr>
<td>Magnesium Chloride</td>
<td>7791-18-6</td>
</tr>
<tr>
<td>Water</td>
<td></td>
</tr>
<tr>
<td>Colorant</td>
<td></td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS Health: 1, Flammability: 0, Reactivity: 0, Protective Equipment: A

Potential Health Effects
Route(s) Of Entry: Ingestion, skin/eye contact, inhalation.

Human Effects and Symptoms of Overexposure:
Acute Inhalation: Irritation of the respiratory tract.
Chronic Inhalation: No applicable information found for chronic systemic effects

Acute Skin Contact: Large amounts can cause irritation and if applied to damaged skin, absorption can occur with
effects similar to those via ingestion.

**Chronic Skin Contact:** No applicable information found for chronic systemic effects.

**Acute Eye Contact:** Irritation with burning and tearing (salt concentrations greater than the normal saline present).

**Chronic Eye Contact:** No applicable information found for chronic systemic effects.

**Acute Ingestion:** Intake of large amounts has generally occurred for deliberate reasons: suicide, absorption, and to induce vomiting. The following effects were observed; nausea and vomiting, diarrhea, cramps, restlessness, irritability, dehydration, water retention, nose bleed, gastrointestinal tract damage, fever, sweating, sunken eyes, high blood pressure, muscle weakness, dry mouth and nose, shock, cerebral (fluid on brain) or pulmonary edema (fluid in lungs), blood cell shrinkage, and brain damage (due to dehydration of brain cells). Death is generally due to cardiovascular collapse or CNS damage. Less than a few grams would not be harmful. For larger quantities, drink large amounts of water or milk.

**Chronic Ingestion:** No applicable information found for chronic systemic effects.

**Carcinogenicity**
- **NTP:** Not listed as a carcinogen or mutagen.
- **IARC:** Not listed as a carcinogen or mutagen.
- **OSHA:** Not listed as a carcinogen or mutagen.

**Medical Conditions Aggravated by Exposure:** In some cases of confirmed hypertension, ingestion may result in elevated blood pressure.

### 4. FIRST AID MEASURES

**First Aid For Eyes:** For eye contact, flush with water immediately, lifting eyelids occasionally.

**First Aid For Skin:** Remove clothing from affected area. Wash skin thoroughly. Rinse carefully.

**First Aid For Inhalation:** If person breathes large quantities, remove to fresh air at once. If breathing stops, apply artificial respiration immediately.

**First Aid For Ingestion:** Less than a few grams would not be harmful. For larger quantities, drink large amounts of water or milk.

### 5. FIRE AND MEASURES

**Flash Point:** N/A

**Extinguishing Media:** N/A. This product is nonflammable.

**Special Fire Fighting Procedures:** N/A.

### 6. ACCIDENTAL RELEASE MEASURES

**Spill or Leak Procedures:** Contain spills to prevent contamination of water supply or sanitary sewer system. Vacuum or sweep into containers for proper disposal.

### 7. HANDLING AND STORAGE

**Storage Temperature (min./max.):** Avoid humid or wet conditions as product will cake and become hard.

**Special Sensitivity:** Avoid contact with strong acids.
Handling and Storage Precautions:  Becomes hygroscopic at 70% Relative Humidity

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**
   **Eye Protection Requirements:** Eyeglasses or goggles should be worn in dusty areas.

   **Skin Protection Requirements:** Protective clothing may be worn in dusty areas, but is generally not required.

   **Respiratory/Ventilation Requirements:** NIOSH/MSHA approved respirator for particulates.

   **Exposure Limits:** Not listed.

9. **PHYSICAL AND CHEMICAL PROPERTIES**
   **Physical Form:** Green crystalline solid with slight halogen odor.

   **Color:** Green crystalline solid

   **Odor:** Halogen odor

   **Boiling Point (760mm Hg) (°C):** 760 mm Hg. 1465 degrees C.

   **Melt Point/Freeze Point (°C):** 801 degrees C.

   **PH:** 6.7 - 7.3

   **Solubility In Water (g/cc, %):** 26.4%

   **Specific Gravity (H₂O=1):** 2.16 (H₂O)

   **Bulk Density:** 53-83 Lbs/Ft³

   **% Volatile By Weight:** N/A

   **Vapor Pressure (mm Hg/747°C):** = 2.4

   **Vapor Density (Air=1):** (Air=1) N/A

10. **REACTIVITY**
    **Stability:** Stable

    **Incompatibilities:** Avoid contact with strong acids. Becomes corrosive to metals when wet.

    **Decomposition Products:** May evolve chlorine gas when in contact with strong acids.

11. **TOXICOLOGICAL INFORMATION**
    **Description:** Not Listed

12. **ECOLOGICAL INFORMATION**
    **Ecotoxicity:** Not Listed.

    **Environmental Degradation:** Not Listed.
13. DISPOSAL CONSIDERATIONS

14. TRANSPORTATION INFORMATION
   D.O.T. Shipping Name: Not Listed
   Technical Shipping Name: Not Listed
   D.O.T Hazard Class: Not Listed
   U.N./N.A. Number: Not Listed
   Product Rq (lbs.): N/A
   D.O.T. Label: Not Listed
   D.O.T. Placard: N/A
   Freight Class Bulk: N/A
   Freight Class Package: N/A
   Product Label: N/A

15. REGULATORY INFORMATION
   OSHA Status: Not Listed
   TSCA Status: Listed as non hazardous.
   Cercla reportable Quantity
   SARA Title III
     Section 302 Extremely
       Hazardous Substances: Not Listed
     Section 311/312
       Hazard categories: Not Listed
     Section 313
       Toxic Chemicals: Not Listed
   RCRA Status: Not Listed
   HMIS: 1 0 0 A

   State Regulatory Information
   Component Name /CAS Number   Concentration   State-Code
   N/A

16. OTHER INFORMATION
   Reason For Issue: Regulatory Compliance
Prepared By: Steve Karl
Approved By: Richard Scarsella
Title: Director-Quality Administration
Approval Date: February 2009
Supersedes Date: May 2007
MSDS Number: NG1

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