



## Material Safety Data Sheet

### 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

<b>Chemical Product Name</b>	Sodium Chloride (Salt) (Treated)
<b>Chemical Family</b>	Alkali Metal/Halide
<b>Chemical Name</b>	Sodium Chloride
<b>Formula</b>	NaCl
<b>Molecular Weight</b>	58.44
<b>Commercial Name</b>	Diamond Crystal <sup>®</sup> Jiffy Melt <sup>®</sup> Ice Melter, Diamond Crystal <sup>®</sup> Glacier Melt <sup>®</sup> Blended 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**

Clear to white crystals, slightly damp in appearance

<b>Ingredient Name</b>	<b>CAS Number</b>	<b>Concentration (%)</b>
Sodium Chloride	7647-14-5	85 - 95
Magnesium Chloride Hexahydrate	7791-18-6	5 - 15

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

THESE PRODUCTS ARE NOT REGULATED UNDER: OSHA Hazard Communication Standard 29 CFR 1910.1200 or SARA Title III Does not contain any hazardous components.

**Potential Health Effects**

**Route(s) Of Entry:** Inhalation, Skin, Ingestion.

**Human Effects and Symptoms of Overexposure:** Ingestion of large amounts (greater than 0.1 pound) can cause gastrointestinal upset and irritation of the stomach. Rare cases of over exposure can lead to systemic toxicity related to the binding of ionized blood calcium. No applicable information found for chronic systemic effects.

**Acute Inhalation:** Slight irritation of the nose; sneezing.

**Chronic Inhalation:** Not Applicable

**Acute Skin Contact:** Irritation; inflammation.

**Chronic Skin Contact:** Not Applicable

**Acute Eye Contact:** Irritation; inflammation.

**Chronic Eye Contact:** Not Applicable

**Acute Ingestion:** Nausea; vomiting.

**Chronic Ingestion:** Not Applicable

**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. (This applies only to salt-sensitive individuals.)

**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:** Not Flammable.

**Extinguishing Media:** This product is not flammable. Use media appropriate to the surrounding fire.

**Special Fire Fighting Procedures:** Thermal oxidative decomposition may produce toxic fumes. A self-contained breathing apparatus (SCBA) with a full facepiece operated in the pressure demand or positive-pressure mode is recommended.

**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.):** Not Applicable

**Special Sensitivity:** Contact with strong acids. Under conditions of high heat, sodium chloride will react with lithium to yield elemental sodium, which will intensify fire conditions.

**Handling and Storage Precautions:** Avoid humid or wet conditions as product will cake and become hard.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eye Protection Requirements:** Eyeglasses or goggles should be worn in dusty areas.

**Skin Protection Requirements:** Normal work gloves are adequate. Protective clothing may be worn in dusty areas, but is generally not required. Warm water showering and handwashing is suggested after working in extremely dusty areas.

**Respiratory/Ventilation Requirements:** NIOSH/MSHA approved respirator for particulates. Dust collection equipment may be employed.

**Exposure Limits:** Ventilate as required to maintain airborne particulates below occupational exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical Form:** Mixture of white, gray or clear crystalline solids.

**Color:** White, gray or clear.

**Odor:** None

**Boiling Point (760mm Hg) (°C):** (760 mm Hg) (°C) = N/A

**Melt Point/Freeze Point (°C):** (°C) = 801

**PH:**

**Solubility In Water (g/cc, %):** (g/cc, %) = 35/100

**Specific Gravity (H<sub>2</sub>O=1):** (H<sub>2</sub>O=1) = 1.25

**Bulk Density:**

**% Volatile By Weight:**

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

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

## 10. REACTIVITY

**Stability:** Stable

**Incompatibilities:** Avoid contact with strong acids. Avoid contact with 2-furan percarboxylic acid. Will give off heat when in contact with water. Incompatible with alkaloids, lead acetate, antipyrine, chloral hydrate, resorcinol and pyrogallol.

**Decomposition Products:** Heating at high temperatures can produce toxic fumes. 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

**Waste Disposal Method:** For disposal of this material as a waste, act in accordance with all applicable Federal, state, and local waste management regulations.

## 14. TRANSPORTATION INFORMATION

**D.O.T. Shipping Name:** Not Applicable

**Technical Shipping Name:** Not Applicable

**D.O.T Hazard Class:** Not Applicable

**U.N./N.A. Number:** Not Applicable

**Product Rq (lbs.):** Not Applicable

**D.O.T. Label:** Not Applicable

**D.O.T. Placard:** Not Applicable

**Freight Class Bulk:** Not Applicable

**Freight Class Package:** Not Applicable

**Product Label:** Not Applicable

## 15. REGULATORY INFORMATION

**OSHA Status:** Not Listed

**TSCA Status:** Not Listed

**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

### State Regulatory Information

**Component Name**

**/CAS Number**

**Concentration**

**State-Code**

## 16. OTHER INFORMATION

**Reason For Issue:** Regulatory Communication

**Prepared By:** Steve Karl

**Approved By:** Sarah Hubert

**Title:** Director-Quality Administration

**Approval Date:** March 2012

**Supersedes Date:** August 2010

**MSDS Number:** NS4

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