



SAFETY DATA SHEET

Section 1: Product Identification

Product Name: Diamond Crystal® Sun Gems®
Chemical Name:
Synonyms: Sodium Chloride (Salt)
Product Use: Salt may be intended for food or animal feed (agricultural) as well as several industrial applications including deicing and water conditioning.
Supplier's Details: Cargill Incorporated
Minneapolis, MN 55440
Phone Number: 1-888-385-7258
Emergency Contact: CHEMTREC (800) 424-9300

Section 2: Hazard Identification

Classification(GHS):
GHS Labelling:
Percentage:
Other Hazards: None known.

Section 3: Composition/Information On Ingredients

Ingredients & Percentage: Sodium Chloride –100%
CAS. NO.: Sodium Chloride - 7647-14-5

Classification:



Section 4: First-Aid Measures

Skin and Eye:	Flush with water
Ingestion:	Give one or two glasses of water if patient is alert and able to swallow. Get medical attention if symptoms occur.

Section 5: Fire-Fighting Measures

Flash Point:	
Fire Hazard:	Not considered flammable
Explosion Hazard:	Product is not combustible
Special Fire Fighting Procedures:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire
Special Remarks on Explosion Hazards:	

Section 6: Accidental Release Measures

Non-hazardous:	If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Avoid release to the environment. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
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Section 7: Handling And Storage

Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Becomes hygroscopic at 70-75% relative humidity. Avoid humid or wet conditions as product will cake and become hard.

Section 8: Exposure Controls/Personal Protection

**Ventilation:**

Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing.

Personal Protective Equipment:

Unvented, tight fitting goggles should be worn in dusty areas. Wear appropriate chemical resistant gloves. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Medical Conditions**Aggravated by Exposure:****Effects of Overdose or Overexposure:**

Section 9: Physical And Chemical Properties

Appearance/Physical State:	White crystalline solid
Vapour Pressure:	2.4 mm Hg (1376.6 °F (747 °C))
Vapour Density (Air=1.0)	Not available.
Evaporation Rate	Not available
Solubility in Water (g/100cc)	26.4 %
Specific Gravity (gm/cc, Water = 1.0)	
% Volatile by Volume	
Boiling Point (°C) @ 760mm	2669 °F (1465 °C) (760 mmHg)

Section 10: Stability And Reactivity

Chemical Stability:

Material is stable under normal conditions

Conditions to Avoid:

Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Hazardous Polymerization:**Hazardous Decomposition****Products:**

May evolve chlorine gas when in contact with strong acids

Corrosivity:

Becomes corrosive to metals when wet



Special Remarks on Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport

Section 11: Toxicological Information

Acute Toxicity: In some cases of confirmed hypertension, ingestion may result in elevated blood pressure

Respiratory or Skin Sensitization: This product is not expected to cause skin sensitization

Germ Cell Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Due to the physical form of the product it is not an aspiration hazard

Information on Toxicological Effects- Ingredient(s)

Sodium chloride (7647-14-5) LD50 Oral Rat 3000 mg/kg

Section 12: Ecological Information

**Toxicity**

The product is not classified as environmentally hazardous

Sodium chloride (7647-14-5)

LC50 Fish 1	4747 - 7824 mg/l (Exposure time: 96 h – Species: Rainbow trout, donaldson trout (Oncorhynchus mykiss))
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Persistence and degradability	No data is available on the degradability of this product
Bio accumulative potential	No data available

Mobility in Soil	No data available
Other Information	None known

Section 13: Disposal Considerations

Waste Disposal Recommendations: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations.

Section 14: Transport Information

In Accordance with DOT Not regulated as dangerous goods

Section 15: Regulatory Information

US Federal Regulations

(Sodium chloride (7647-14-5))	All components are on the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.



Section 16: Other Information

Effective Date: August 12, 2014

Version: 1

Contact:

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