



Safety Data Sheet
October 2014

Section 1 - Chemical Product and Company Identification

Trade Name: Crystal Blue Ice Melt

Chemical Name: Sodium Chloride, Magnesium Chloride, Calcium Chloride, and Yellow prussiate of soda

Product Use: Anti-icing/deicing

Formula: NaCl, MgCl₂, and CaCl₂

Manufacturer: Custom Salt Solutions LLC
900 N Nelson St. Ste. B
Spokane, WA 99202 USA
Phone: 509.489.3100

Section 2 - Composition/Information on Ingredients

Chemical Name:	CAS. Reg. No.	Approx %
Sodium Chloride	007647-14-5	96-88%
Magnesium Chloride	007791-18-6	1-5%
Calcium Chloride	010043-52-4	3-7%

Section 3 - Hazard Identification

Emergency Overview: Caution
May cause eye and skin irritation.

Summary of Acute Effects:

Inhalation: Dust of this product may causes irritation of nose, throat, and respiratory tract.



Ingestion: May cause nausea and vomiting.

Eyes: May cause irritation.

Skin: May cause irritation.

Section 4 - First Aid

Inhalation: Move to fresh air; if breathing is difficult or discomfort persists, Obtain medical attention.

Ingestion: If swallowed will cause nausea and vomiting. If victim is conscious, have victim drink water. If victim is unconscious or having convulsions, do nothing except keep victim warm and Obtain medical attention.

Eyes: Promptly flush with water, remove contact lenses if applicable, and continue flushing for at least 15 minutes. Obtain medical attention if irritation persists.

Skin: If necessary, remove contaminated clothing. Flush affected areas with plenty of water for at least 15 minutes. Obtain medical attention if irritation persists.

Section 5 - Fire Fighting Measures

Flammable Properties: Not flammable by OSHA criteria.

Flammable Limits: LFL: N/A UFL: N/A

Hazardous Composition Products: N/A

Extinguishing Media: Dry chemical, chemical foam, carbon dioxide.



Fire Fighting Instructions: Isolate fire area and deny any unnecessary entry.

Protective Equipment for Fire Fighting: Self-contained breathing apparatus and full protective equipment.

Section 6 – Accidental Release Measures

Protect People: Isolate the area. Avoid contact with eyes and skin. Wash exposed body areas thoroughly after handling. Use appropriate safety equipment.

Protect the Environment: Avoid contamination of drinking water, natural water, ground water, or any waterway. Losses incidental to correct application of this product in its intended uses are not expected to be harmful to the environment.

Section 7 – Handling and Storage

Handling: Use good hygiene practices in handling this material. Avoid breathing dust from this material.

Storage: Keep out of the reach of children. Keep containers tightly closed in a cool, well ventilated place.

Section 8 – Exposure Control/Personal Protection

Exposure Guidelines: NaCl 10m/m³
MgCl₂ 10/m³
CaCl₂ 10/m³

Personal Protective Equipment:

Eye Protection: Use safety glasses.

Hand Protection: Use rubber gloves.

Product Name: Crystal Blue



Respiratory Protection: N/A

Skin and Body: As required by employer.

General Hygienic Practices: Wash hands thoroughly with soap and water before eating drinking, smoking or using toilet facilities. Do not eat or drink while handling this product.

Section 9 - Physical and Chemical Properties

Appearance: Crystalline

Color: Blue

Oder: Odorless

Physical State: Solid

Boiling Point: N/A

Crystallization Temp: N/A

Solubility in Water: Completely

pH: 7.5

Section 10 - Stability and Reactivity

Chemical Stability: Stable. Hygroscopic.

Reactivity: Low reactivity.

Conditions to Avoid: Temperature >662F. Do not mix with incompatible materials

Materials to Avoid: Acids. Oxidizers. Zinc.

Product Name: Crystal Blue



Hazardous Decomposition Products:

Does not decompose. May include and are not limited to: Hydrogen chloride. Chlorine. Oxides of magnesium. Oxides of sodium.

Section 11 - Toxicological Information

Acute:

The LD50 for skin absorption in rabbits is >5000 mg/kg for NaCl, MgCl₂, and CaCl₂.

Ingestion (100%):

The LD50 oral ingestion for rats:
NaCl 3000 mg/kg
MgCl₂ 8100 mg/kg
CaCl₂ 1000 mg/kg

Section 12 - Ecological Information

Ecotoxicology:

Based largely or completely on data from major component(s), material is practically non-toxic to aquatic organisms on an acute basis (LD50 < 100mg/L in most sensitive specs).

Section 13 - Disposal Consideration

Disposal:

Disposal methods must be in compliance with all Federal, State/Provincial, and local laws and regulations. Regulations may vary in different locations. Do not dump into any sewers, on the ground or into any body of water.

Section 14 - Transport Information

Proper Shipping Name:

Ice melt.

U.S. Department of

Not regulated as dangerous goods.

Product Name: Crystal Blue



Transportation:

Hazard Classification: Not regulated when shipped domestically by land.

Section 15 - Regulatory Information

Reportable Quantity: N/A

NFPA Rating: Health - 1; Fire - 0; Reactivity - 0

NFPA Rating Meaning: 0=Insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme

Carcinogenicity Lists: No

NTP: No

IARC Monograph: No

OSHA Regulated: No

Section 16 - Other information

This SDS has been prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) The SDS information is based on sources believed to be reliable. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, **Custom Salt Solutions LLC** makes no warranty, either expressed or implied, with respect to completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Also, additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks prior to use, and then to exercise appropriate precautions of employee and others.

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