

**SAFETY DATA SHEET  
(S.D.S)**

Produced by Kissner, Inc.  
expressly for Snow Joe®, LLC



Form No. SJ-MELT-S.D.S-R4

FAST ACTING • INSTANT HEAT • SAFER ON SIDEWALKS\*

\*when used as directed

# CALCIUM CHLORIDE CRYSTALS

Enhanced with Extenders

## Section 1: Product Identification

Product Name	Calcium Chloride Crystals
Identified Uses	Melt Snow and Ice
Supplier's Details	Snow Joe®, LLC 305 Veterans Blvd Carlstadt, NJ USA 07072
Phone Number	1-866-SNOWJOE (1-866-766-9563)
Available Packaging	50 lb Bag, 50 lb Pail, 2000 lb Super Sac
Emergency Contact (24 Hrs)	(613) 996-6666 CANUTEC

## Section 2: Hazard Identification

Classification (GHS)	Not Classified.
GHS Labelling	No Labelling applicable.
Percentage	Not applicable.
Other Hazards	Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. When heated to decomposition, emits toxic fumes. Corrosive to metals upon prolonged contact.

## Section 3: Composition/Information On Ingredients

Ingredients	Percentage	CAS. NO.	Classification
Sodium Chloride	75.0-99.9%	7647-14-5	Not Classified
Calcium Chloride	0.01-25.0%	10043-52-4	Eye Irrit. 2A, H319
Product may contain color indicator			

## Section 4: First-Aid Measures

### Description of First Aid Measures

General	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
Inhalation	When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
Skin Contact	Remove contaminated clothing. Brush off loose particles. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation persists. Wash contaminated clothing before reuse.

Eye Contact	Rinse cautiously with water for several minutes. Brush off loose particles. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

**Most Important Symptoms and Effects Both Acute and Delayed**

General	Dust may cause mechanical irritation to eyes, nose, throat, and lungs.
Inhalation	Prolonged contact with large amounts of dust may cause mechanical irritation.
Skin Contact	Skin contact with large amounts of dust may cause mechanical irritation.
Eye Contact	Contact may cause irritation due to mechanical abrasion.
Ingestion	Ingestion is not likely to be harmful or have adverse effects.
Other	Contact with large amount of dust may cause mechanical irritation to eyes, nose, throat, and lungs.
Chronic Symptoms	Not available.

**Section 5: Fire-Fighting Measures**

Suitable Extinguishing Media	Use extinguishing media appropriate for surrounding fire.
Unsuitable Extinguishing Media	Do not use a heavy water stream. Use of heavy stream of water may spread fire.
Fire Hazard	Not considered flammable but may burn at high temperatures.
Explosion Hazard	Product is not explosive.
Reactivity	When heated to decomposition, emits toxic fumes. Toxic Gas.
Hazardous Combustion Products	Toxic fumes are released. Hydrogen chloride. Sodium oxides. Chlorine.
Other Information	Do not allow run-off from firefighting to enter drains or water courses.

**Section 6: Accidental Release Measures**

Personal Precautions	Avoid breathing (dust). Avoid all contact with skin, eyes, or clothing.
Protective Equipment	Use appropriate personal protection equipment (PPE).
Environmental Precautions	Prevent entry to sewers and public waters. Avoid release to the environment.
Methods for Cleaning Up	Clear up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Contact competent authorities after a spill.

**Section 7: Handling And Storage**

**Precautions for Safe Handling**

Additional Hazards When Processed	When heated to decomposition, emits toxic fumes. Contact with water causes an exothermic heat reaction, which may cause significant temperature rise. Corrosive to metals upon prolonged contact. May release hydrogen gas on prolonged contact with certain metals.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

### Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures	Comply with applicable regulations.
Storage Conditions	Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from extremely high or low temperatures, direct sunlight, heat, ignition sources, and incompatible materials.
Incompatible Materials	Strong acids. Strong bases. Strong oxidizers.

## Section 8: Exposure Controls/Personal Protection

Control Parameters	No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.
Appropriate Engineering Controls	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed. Ensure adequate ventilation, especially in confined areas
Personal Protective Equipment	Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection. Gloves.
Materials for Protective Clothing	Chemically resistant materials and fabrics.
Hand Protection	Wear chemically resistant protective gloves.
Eye Protection	Chemical goggles or face shield.
Skin and Body Protection	Wear suitable protective clothing.
Respiratory Protection	Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations are expected to exceed exposure limits.

## Section 9: Physical And Chemical Properties

Appearance/ Physical State	White Solid Pellets. Odorless.
Vapour Pressure (mm Hg at 20°C)	0.009
Vapour Density (Air = 1.0)	Not available.
Bulk Density	Not available.
Solubility in Water	Water Soluble.
Specific Gravity (gm/cc, Water = 1.0)	2.2
% Volatile by Volume	Non-volatile.
Boiling Point	Not available.
Melting Point	Not available.
Coefficient of Water/Oil Distribution	Not available.
pH	10

## Section 10: Stability And Reactivity

Chemical Stability	Stable under normal conditions.
Reactivity	When heated to decomposition, emits toxic fumes. Toxic Gas.
Possibility of Hazardous Reactions	Polymerization occurs with calcium chloride when mixed with methyl vinyl ether.
Conditions to Avoid	Direct sunlight. Extremely high or low temperatures. Incompatible materials.
Incompatible Materials	Strong acids. Strong bases. Strong oxidizers. Reactive metals.
Hazardous Decomposition Products	Toxic gases. Hydrogen chloride. Chlorine. Sodium oxides. Oxides of magnesium. Oxides of calcium.

## Section 11: Toxicological Information

Acute Toxicity	Not classified.
LD50 and LC50 Data	Not available.
Skin Corrosion/Irritation	Not classified pH: 10
Serious Eye Damage/Irritation	Not classified pH: 10
Respiratory or Skin Sensitization	Not classified.
Germ Cell Mutagenicity	Not classified.
Teratogenicity	Not available.
Carcinogenicity	Not classified.
Specific Target Organ Toxicity (Repeated Exposure)	Not classified.
Reproductive Toxicity	Not classified.
Specific Target Organ Toxicity (Single Exposure)	Not classified.
Aspiration Hazard	Not classified.

### Information on Toxicological Effects - Ingredient(s)

Sodium Chloride (7647-14-5)	LD50 Oral Rat	3 g/kg
	LC50 Inhalation Rat	> 42 g/m <sup>3</sup> (Exposure time: 1 h)
Calcium Chloride (10043-52-4)	LD50 Oral Rat	1455-2781 mg/kg
	LD50 Dermal Rabbit	> 5000 mg/kg

## Section 12: Ecological Information

Toxicity No additional information available.

### Sodium chloride (7647-14-5)

LC50 Fish 1	5560 (5560 - 6080) mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow- through])
EC50 Daphnia 1	1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	12946 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 2	340.7 (340.7 - 469.2) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

### Calcium Chloride (10043-52-4)

LC50 Fish 1	10650 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	2400 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Persistence and degradability Not available.

### Bio accumulative potential

Sodium chloride (7647-14-5)	BCF Fish 1	(no bioaccumulation)
Calcium chloride (10043-52-4)	BCF Fish 1	(no bioaccumulation)

Mobility in Soil Not available.

Other Information Avoid release to the environment.

## Section 13: Disposal Considerations

Waste Disposal Recommendations

Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

## Section 14: Transport Information

In Accordance with DOT

Not regulated for transport.

In Accordance with IMDG

Not regulated for transport.

In Accordance with IATA

Not regulated for transport.

In Accordance with TDG

Not regulated for transport.

## Section 15: Transport Information

### US Federal Regulations

Sodium Chloride (7647-14-5)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Calcium chloride (10043-52-4)	Listed on the United States TSCA (Toxic Substances Control Act) inventory

### Canadian Regulations

<b>Calcium Chloride Crystals</b>	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

<b>Sodium chloride (7647-14-5)</b>	Listed on the Canadian DSL (Domestic Substances List)
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

<b>Calcium chloride (10043-52-4)</b>	Listed on the Canadian DSL (Domestic Substances List)
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

**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

Other Information

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Effective Date

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Version

4

Contact

snowjoe.com

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Snow Joe®, LLC Carlstadt, NJ, USA  
1-866-SNOWJOE (1-866-766-9563)

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