

PROFESSIONAL STRENGTH

94% Pure CaCl₂ Pellets

Form No. SJ-MELT-S.D.S-R5

SAFETY DATA SHEET (S.D.S)

Snow Joe®, LLC



FAST ACTING • INSTANT HEAT • SAFER ON SIDEWALKS*

*when used as directed

CALCIUM CHLORIDE PELLETS

Premium Snow + Ice Melter

Section 1: Product Identification

SDS Name	Calcium Chloride Dihydrate
CAS No	10035-04-8
Molecular Weight	147.02
Chemical Formula	CaCl ₂
Chemical Name	Calcium Chloride
Company Identification	Snow Joe®, LLC 305 Veterans Blvd Carlstadt, NJ USA 07072
Phone Number	1-866-SNOWJOE (1-866-766-9563)

Section 2: Hazards Identification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910 1200) and no further GHS elements

Section 3: Composition/Information On Ingredients

CAS#	Chemical Name	% by Weight
10035-04-8	Calcium Chloride	100

Toxicological Data on Ingredients

Calcium Chloride Dihydrate LD50: Not available.
LC50: Not available.

Section 4: First-Aid Measures

Eyes	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin	Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are

Inhalation

swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Section 5: Fire-Fighting Measures

Flammability of the Product

Non-flammable.

Auto-Ignition Temperature

Not applicable.

Flash Points

Not applicable.

Flammable Limits

Not applicable.

Products of Combustion

Not available.

Fire Hazards in Presence of Various Substances

Not applicable.

Explosion Hazards in Presence of Various Substances

Risks of explosion of the product in presence of mechanical impact

Not available.

Risks of explosion of the product in presence of static discharge

Not available.

Fire Fighting Media and Instructions

Not applicable.

Special Remarks on Fire Hazards

Not available.

Special Remarks on Explosion Hazards

Not available.

Section 6: Accidental Release Measures

Small Spill

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling And Storage

Precautions

Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Keep away from incompatibles such as metals, acids.

Storage

Hygroscopic. Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits

Not available.

Emergency Overview

Irritating to eyes.

Potential Health Effects

Eye

May result in corneal injury. Contact with eyes may cause severe irritation, and possible eye burns.

Skin

Contact with skin causes irritation and possible burn, especially if the skin is wet or moist.

Ingestion

May cause irritation of the digestive tract.

Inhalation

Harmful if inhaled. May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema.

Section 9: Physical And Chemical Properties

Physical state and appearance

Solid.

Odor

Odorless.

Taste

Not available.

Molecular Weight

147.01 g/mole

Color

White.

pH (1% soln/water)

Not available.

Boiling Point

Not available.

Melting Point

175.5°C (347.9°F)

Critical Temperature

Not available.

Specific Gravity

Bulk density: 0.835 (Water = 1)

Vapor Pressure

Not applicable.

Vapor Density

Not available.

Volatility

Not available.

Odor Threshold

Not available.

Water/Oil Dist. Coeff.

Not available.

Ionicity (in Water)

Not available.

Dispersion Properties

See solubility in water.

Solubility

Easily soluble in cold water, hot water. Freely soluble in alcohol.

Section 10: Stability And Reactivity

Stability

The product is stable.

Instability Temperature

Not available.

Conditions of Instability

Dust generation, exposure to moist air or water, incompatible materials.

Incompatibility with various substances

Reactive with metals, acids.

Corrosivity

Non-corrosive in presence of glass.

Special Remarks on Reactivity

Hygroscopic; keep container tightly closed. Methyl Vinyl Ether, Zinc, Reacts violently with Boric acid and Calcium Oxide, Bromine Trifluoride, 2-Furanpercarboxylic acid, boron oxides, solutions attack some metals.

Special Remarks on Corrosivity

Not available.

Polymerization

Will not occur.

Section 11: Toxicological Information

Routes of Entry

Inhalation.

Ingestion. Toxicity to Animals

LD50: Not available. LC50: Not available.

Chronic Effects on Humans

May cause damage to the following organs: heart.

Other Toxic Effects on Humans

Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals

Not available.

Special Remarks on Chronic Effects on Humans

May affect genetic material (mutagenic).

Special Remarks on other Toxic Effects on Humans

Acute Potential Health Effects: Skin: Causes skin irritation with possible burning sensation especially if skin is wet or moist. Eyes: Causes eye irritation. Inhalation: Causes respiratory tract and mucous membrane irritation with burning sensation and pain in nasal cavities, occasional nose bleeding and tickling in the throat. Ingestion: May be harmful if swallowed. May cause severe gastrointestinal tract irritation with nausea, and vomiting. May cause cardiac disturbances (slowing of heart rate, arrhythmia, tachycardia, heart fibrillation). May affect behavior (somnolence, convulsions). Chronic Potential Health Effects: Ingestion May affect the musculoskeletal system, blood, brain, heart, and metabolism (weight loss).

Section 12: Ecological Information

Ecotoxicity

Not available.

BOD5 and COD

Not available.

Products of Biodegradation

Possibly hazardous short term degradation products are not likely.

Toxicity of the Products of Biodegradation

However, long term degradation products may arise.

The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation

Not available.

Section 13: Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14: Transport Information

DOT Classification

Not a DOT controlled material (United States).

Identification

Not applicable.

Special Provisions for Transport

Not applicable.

Section 15: Regulatory Information

Federal and State Regulations

No products were found.

Other Regulations: EINECS

This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications

WHMIS (Canada)
(TOXIC).

DSCL (EEC)

CLASS D-2B: Material causing other toxic effects

R36/37/38- Irritating to eyes, respiratory system and skin.
S22 - Do not breathe dust. S24/25 - Avoid contact with skin and eyes. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

HMIS (U.S.A.)

Health Hazard	2
Fire Hazard	0
Reactivity	0
Personal Protection	E

National Fire Protection Association (U.S.A.)

Health	2
Flammability	0
Reactivity	0
Specific hazard	

Protective Equipment

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses. Or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

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