SAFETY DATA SHEET (S.D.S)
Snow Joe®, LLC

**Section 1: Product Identification**

- **SDS Name**: Calcium Chloride Dihydrate
- **CAS No**: 10035-04-8
- **Molecular Weight**: 147.02
- **Chemical Formula**: CaCl₂
- **Chemical Name**: Calcium Chloride
- **Company Identification**: Snow Joe®, LLC
- **Address**: 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**

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>% by Weight</th>
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<tbody>
<tr>
<td>10035-04-8</td>
<td>Calcium Chloride</td>
<td>100</td>
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</table>

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

Inhalation

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

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, coughingm
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.
See solubility in water.

Ionicity (in Water)
Not available.

Dispersion Properties
Not available.

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.
LD50: Not available. LC50: Not available.

Ingestion.
May cause damage to the following organs: heart.
Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Chronic Effects on Humans
Not available.

Other Toxic Effects on Humans
May affect genetic material (mutagenic).

Special Remarks on Toxicity to Animals
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).

Special Remarks on Chronic Effects on Humans

Special Remarks on other Toxic Effects on Humans

Section 12: Ecological Information
Ecotoxicity
Not available.

BOD5 and COD
Not available.

Products of Biodegradation
Possibly hazardous short term degradation products are not likely.
However, long term degradation products may arise.
The product itself and its products of degradation are not toxic.

Toxicity of the Products of Biodegradation
Not available.

Special Remarks on the Products of Biodegradation

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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