

1. PRODUCT IDENTIFICATION

Product Name:

Professional Grade Calcium Chloride Ice Melter

2. COMPOSITION / INFORMATION ON INGREDIENTS

	CAS #
Calcium Chloride	10043-52-4

3. HEALTH HAZARD DATA

Effects of Overexposure:

Ingestion:	Ingestion may cause nausea.
Skin Contact:	May cause minor irritation.
Eye Contact:	May cause severe eye irritation or corneal injury.
Inhalation:	Dust may cause irritation to mucous membranes and respiratory system.
Acute Systemic Effects:	Dehydration and congestion may occur in internal organs. Oral LD ₅₀ (rat) = 1,000 mg/kg
Chronic Systemic Effects:	Acute effects may be delayed.

Hazard Rating	
(0=None, 4=Extreme)	
1	Health
0	Flammability
1	Reactivity

4. EMERGENCY AND FIRST AID PROCEDURES

Eye Contact:	Immediately flush eyes with plenty of water for 15-20 minutes; remove contact lenses. Call a physician if irritation persists.
Skin Contact:	Wash exposed area with soap and water. Get medical advice if irritation develops.
Inhalation:	Remove to fresh air. Get medical attention for any breathing difficulty.
Ingestion:	Do not induce vomiting. Do not attempt to give anything by mouth to an unconscious person. If person is alert and not convulsing, rinse mouth out and give ½ to 1 glass of water to dilute material. If large amounts were swallowed, get medical advice.

5. FIRE AND EXPLOSION HAZARD DATA

Not a fire hazard when exposed to heat or flame. Do not use water directly on material. If exposed to fire from another source use suitable extinguishing agent for that fire. Avoid breathing dusts/vapors; keep upwind when possible. Use self-contained breathing apparatus and protective clothing.

6. REACTIVITY DATA

Stability: Stable Unstable

The product is stable and inert under normal conditions but reacts exothermically with water. No hazardous polymerization can occur. Material is hygroscopic.

Materials to Avoid: Strong oxidizing agents.

7. PHYSICAL DATA

Appearance:	White pellets	pH (10 %):	7.0-10.5 (5 - 38 wt. % Solutions)
Odor:	None	% Non-Volatile:	100
Bulk Density:	Approx. 0.9 g/cc	Vapor Pressure (mm Hg):	Negligible
Solubility in Water:	Very soluble.	Boiling Point (760 mm Hg):	Not applicable

8. SPILL OR LEAK PROCEDURES

Response to Small Spills: Sweep up and containerize for reclamation or disposal. Collect in suitably labeled containers. Flush residue with plenty of water.

Response to Large Spills: Shovel and sweep up; containerize for reclamation or disposal. Collect in suitably labeled containers. Flush residue with plenty of water.

Hazards to be Avoided: None.

Disposal Methods: Whatever cannot be saved for reclamation may be delivered to an approved waste disposal facility or if local ordinances allow, can be dissolved in sufficient amounts of water to meet water quality standards, and flushed down a sewer drain. Ensure compliance with local, state and federal regulations.



9. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Atmospheric dust should be kept below the exposure guideline or TWA of 10 mg/m³. For conditions of use where exposure to the dust is apparent, a NIOSH approved dust/mist respirator may be worn or other air-purifying respirators, such as a particulate filter. For emergencies, a self-contained breathing apparatus may be necessary.

For Hands, Feet, Body: If deemed necessary, wear protective gloves and clean body-covering clothing. Use gloves and boots that are chemically resistant to this material, such as Neoprene, vinyl (PVC) or nitrile/butadiene rubber (NBR). Leather work boots, gloves and leather products will dehydrate with resultant shrinkage and possible destruction.

For Eyes: If deemed necessary, use chemical safety glasses or goggles. Contact lenses should not be worn when working with this material. For dusty operations or when handling solutions of the material, wear chemical goggles. Eye wash fountain or water for eye washing should be available.

Ventilation: Provide general and/or local exhaust to control airborne levels below exposure guidelines.

10. SPECIAL PRECAUTIONS

Transport in dry equipment; store in dry location. Handling procedures should minimize generation of airborne dust. Dust respirator as appropriate. Exposure to moisture will generate heat.

11. LABELING INFORMATION

DOT Shipping Name:	Not regulated	Additional Product Label:	Not applicable
DOT Label:	Not applicable	Warning:	None
UN No.:	Not applicable		

12. USER'S RESPONSIBILITY

The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations. Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

