

MORTON SALT

Material Safety Data Sheet

MSDS 7889, Revised 06/11/2010

Emergency Phone Number: 312/807-2000

1. PRODUCT IDENTIFICATION

Product Name:

Ice Melter with CMA

2. COMPOSITION / INFORMATION ON INGREDIENTS

	CAS #	
Sodium Chloride	7647-14-5	Major Component
Calcium Chloride	10043-52-4	
Hydrated Calcium		
Magnesium Acetate	76123-46-1	

3. HEALTH HAZARD DATA

Effects of Overexposure:

Ingestion: Low Toxicity if swallowed in small amounts. Swallowing large amounts can result in gastrointestinal irritation and may cause vomiting and/or diarrhea.

Skin Contact: Brief Contact is non-irritating. Prolonged contact may cause skin irritation, especially when skin is moist, scratched or cut.

Eye Contact: May cause severe eye irritation or corneal injury.

Inhalation: Dust may cause irritation to nose and throat, and symptoms may include coughing, dryness and sore throat. Vapors are unlikely due to physical properties.

Acute Systemic Effects: Dehydration and congestion may occur in internal organs. Hypertonic salt solutions can produce inflammatory reactions in the gastrointestinal tract. For the major components: Salt LD50 (rat) = 3,000 mg/kg, CaCl₂ LD50 (rat) = 1,000 mg/kg, CMA LD50 (rat) > 5000 mg/Kg.

Chronic Systemic Effects: Acute effects may be delayed.

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

4. EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 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. If large amounts were swallowed, get medical advice.

5. FIRE AND EXPLOSION HAZARD DATA

This material does not burn. If exposed to fire from another source use suitable extinguishing agent for that fire.

6. REACTIVITY DATA

Stability: Stable Unstable

Stable and inert under normal conditions. No hazardous polymerization can occur. No hazardous decomposition products or conditions. Material is hygroscopic.

Materials to Avoid: Strong acids and strong oxidizing agents.

7. PHYSICAL DATA

Appearance:	White or blue granules with white flakes and off-white spheres.	pH (10 %):	8.5 - 9.5
Odor:	None	% Non-Volatile:	100
Bulk Density:	1.0 - 1.2 g/mL	Vapor Pressure (mm Hg):	Negligible
Solubility in Water:	All ingredients are 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, Body: If deemed necessary, wear protective gloves and clean body-covering clothing. Use gloves that are chemically resistant to this material, such as Neoprene, vinyl (PVC) or nitrile/butadiene rubber (NBR).



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 may 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.

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