



510 CHAPMAN ST.  
CANTON, MA 02021  
EMERGENCY PHONE 866-303-6948  
NFPA: Health 1, Fire 0, Reactivity 0

Effective date: 8/1/1999

**Blue Ice Melter**  
**Material Safety Data Sheet**

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Print date: 12/19/2001

**1. INGREDIENTS (%w/w, unless otherwise noted)**

<u>CHEMICAL NAME</u>	<u>CAS#:</u>
Sodium Chloride	07647-14-5
Magnesium Chloride	07786-30-3
Accelerating Agents	N/A

**2. PHYSICAL DATA**

MELTING POINT:	N/A
BOILING POINT:	N/A
VAPOR PRESSURE	N/A
VAPOR DENSITY	N/A
SPECIFIC GRAVITY	2.165
SOLUBILITY IN WATER	Complete
EVAPORATION RATE	N/A
APPEARANCE	Blue/green crystalline material
ODOR	None

**3. FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT:	N/A
FLAMMABLE LIMITS:	N/A
EXTINGUISHING MEDIA:	N/A
FIRE & EXPLOSION HAZARDS:	None
FIRE-FIGHTING EQUIPMENT:	Wear positive pressure self-contained breathing apparatus.

**4. REACTIVITY DATA**

PRODUCT STABILITY:	Stable
CHEMICAL INCOMPATIBILITY:	Stable and inert under normal conditions. Will react with strong acids (to generate HCl) and strong oxidizing agents (to generate Cl <sub>2</sub> ).
HAZARDOUS DECOMPOSITION PRODUCTS:	None
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	Avoid contact with strong acids
CORROSIVE TO METAL:	Mildly corrosive to metals in the presence of moisture
OXIDIZER:	N/A



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**5. SPILL OR LEAK PROCEDURES**

RESPONSE TO SMALL SPILLS: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

RESPONSE TO LARGE SPILLS: Shovel and sweep up; containerize for reclamation or disposal.

HAZARDS TO BE AVOIDED: None known.

REPORTABLE QUANTITY: Check your state for requirements.

WASTE CLASSIFICATION: Some state have set maximum limits on Chlorides in waste effluent.

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.

**6. HEALTH HAZARD DATA**

ORAL TOXICITY: Oral rat LD50: 3000 mg/kg (RTECS, 1986)

DERMAL TOXICITY: Skin irritation rabbit: 500mg/24hr. Mild (RTECS, 1986)

EYE: Eye irritation rabbit: 100mg/24hr. Moderate (RTECS, 1986)

INHALATION: No information found.

CHRONIC TOXICITY: No information found.

MUTAGENESIS: Mutation references cited (RTECS, 1986)

EFFECTS OF OVEREXPOSURE:

- Ingestion: Very large doses can cause vomiting, diarrhea, and prostration.
- Skin Contact: Not expected to be a health hazard.
- Eye Contact: May cause irritation.
- Inhalation: Inhalation of dust may cause mild irritation to mucous membranes, nose and throat. Symptoms may include coughing, dryness and sore throat.

ACUTE SYSTEMIC EFFECTS: Dehydration and congestion may occur in internal organs. Hypertonic salt solutions can produce inflammatory reactions in the gastrointestinal tract.

CHRONIC SYSTEMIC EFFECTS: No information found.

**7. EMERGENCY and FIRST AID PROCEDURES**

EYE CONTACT: Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

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: If large amounts were swallowed, get medical advice.



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**8. SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** For conditions of use where exposure to the dust is apparent, a NIOSH approved dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

**FOR HANDS, BODY:** If deemed necessary, wear protective gloves and clean body-covering clothing.

**FOR EYES:** Use safety goggles/safety glasses. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

**VENTILATION:** In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

**9. HANDLING PRECAUTIONS:**

**VENTILATION:** Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

**RESPIRATORY PROTECTION:** Dust mask if dust is produced when used

**PROTECTIVE CLOTHING:** Cotton gloves

**EYE PROTECTION:** Where there is reasonable probability of eye contact, wear safety glasses.

**OTHER PRECAUTIONS:** None

**10. SHIPPING DATA**

D.O.T. PROPER SHIPPING NAME:	N/A
HAZARDOUS SUBSTANCE 49CFR CERCLA:	N/A
D.O.T. HAZARD CLASS	N/A
D.O.T. LABELS REQUIRED	N/A
D.O.T. PLACARDS REQUIRED	N/A
BILL OF LADING DESCRIPTION	Eco Melt®

**11. SUPPLIER INFORMATION**

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