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# MATERIAL SAFETY DATA SHEET

**REMOVE® ICE MELTER**

Approved: 09-27-01 RLH  
Revised: Revised

## 1. Chemical Product

Product name: Remove Ice Melter  
Chemical Name: Magnesium Chloride hexahydrate, Potassium Chloride, & Sodium Chloride  
Product Description: Remove Ice Melter is an blend of the three materials listed in the "Chemical Name" above and intended for use as deicer on concrete, and paved areas. Read instruction for use rate information.

## 2. Composition/Information on Ingredients

Name	CAS #	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)	CAL/OSHA PEL (mg/m3)
Magnesium Chloride	7786-30-3	5 mg/m3, respirable dust	10 mg/m3	10 mg/m3
Potassium Chloride	7447-40-7	5 mg/m3, respirable dust	10 mg/m3	10 mg/m3
Sodium Chloride	7647-14-5	5 mg/m3, respirable dust	10 mg/m3	10 mg/m3

## 3. Hazard Identification

\*\*\*\*\* EMERGENCY OVERVIEW\*\*\*\*\*

White to off-white granules. As shipped this product does not present special health hazards. Avoid applications that create "nuisance" dust. This dust may cause irritation to skin, eyes and respiratory tract. NOT FOR FOOD USE.

## 4. First Aid

Eyes: Immediately flush eyes with plenty of water for 15 minutes. Call a physician if irritation persists.  
Ingestion: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by toughing back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.  
Skin: Wash with soap and water.  
Inhalation: Not a normal route of entry.  
Ingestion: Ingestion of large amounts(more than 0.1 lbs.) may cause vomiting. Low Toxicity.

## 5. Fire Fighting Measures

Extinguishing Media: Non-flammable  
Flash Point: N/A  
Products of combustion: Not applicable. Product may emit toxic and corrosive forms of chloride at decomposition temperatures.  
Fire Fighting Instructions: Not applicable  
Special Remarks on Explosion Hazards: Not Applicable

## 6. Accidental Release Measures

Sweep up and use as direction call. Do not apply in excess or damage to vegetation can occur.

## 7. Handling & Storage

Handling Precautions: Do Not ingest. Do not breath dust. Avoid dust during handling and promote hygiene among smokers.  
Storage: Store in a dry location away from incompatible substances, strong acids and intense heat.

## 8. Exposure Controls/Personal Protection

Eye/Face Protection: Safety glasses or goggles if risk is present.  
Skin Protection: Work gloves desirable but not required.  
Respiratory Protection: Dust mask not needed unless application method exceeds the threshold limits.

## 9. Physical & Chemical Properties

Appearance: White to off-white crystalline and flaked solid.  
Odor: None typically noticeable. Physical State: Solid  
Boiling Point: 1412 C Melting Point: 40 to 801 C  
Vapor Pressure: N/A Vapor Density (air=1):N/A  
Specific Gravity: N/A Solubility (H2O): Soluble  
Evaporation Rate: N/A pH: 5.4 to 8.6  
Bulk Density: (lbs./cu. ft.) 60-70

## 10. Stability & Reactivity

Stability: Stable  
Incompatible Materials: Avoid contact with strong inorganic acids, strong oxidizing agents and intense heat.  
Hazardous Decomposition Products: Ammonia and sulfur trioxide.  
Hazardous Polymerization: Will not occur.  
Corrosity: Mildly corrosive to metals in the presence of moisture.

## 11. Toxicological Information

EYE EFFECTS: (severe) 500 mg/24 hr. (rabbit) SKIN EFFECTS: Irritation (like salt exposure) ACUTE ORAL EFFECTS: LD50 (rat) = 2,613 mg/kg  
CHRONIC (CANCER INFORMATION): Not applicable  
CARCINGENCY: Not Applicable  
TERATOGENICITY (BIRTH DEFECTS): Not applicable  
REPRODUCTIVE EFFECTS: Not applicable As shipped this product does not present a special health hazards. Conditions and work practices which generate dust or fumes should be avoided or controlled.

## 12. Ecological Information

ENVIRONMENTAL HAZARDS: Keep out of drinking water source.

## 13. Disposal Considerations

WASTE DISPOSAL: Recycle or use as directed or review federal, state, provincial and local government requirements prior to disposal.

## 14. Transport Information

PROPER SHIPPING NAME: Not DOT regulated

## 15. Regulatory Information

U.S. FEDERAL REGULATORY INFORMATION  
TSCA INVENTORY: Refer to CAS # above. Section 302 (EHS) ingredients: None  
Section 304 (CERCLA & EHS) ingredients (RQ): None  
Section 313 ingredients: None  
SARA TITLE III NOTIFICATIONS AND INFORMATION  
SARA TITLE III- HAZARD CLASSES:  
Acute Health Hazard- No Chronic Health Hazard-No  
Fire Hazard- No Reactivity Hazard- No

## 16. Other Information

HMIS/NFPA HAZARD RATING:  
HEALTH: 1 FIRE: 0 REACTIVITY: 0  
Disclaimer or expressed and implied warranties: This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions. \* Would recommend Protection Rating "F" for poorly ventilated areas.