



## MATERIAL SAFETY DATA SHEET : GREEN SCAPES

**Effective Date:** July 2008

**Identity:** Green Scapes Ice Melting Compound contains a proprietary combination of Sodium Chloride, Liquid Magnesium Chloride with Corrosion Inhibitor, Ice Ban®200, and Turf Mark Green liquid.

**Hazardous Ingredients/Identity Information:** Does not contain hazardous components.

### **Physical/Chemical Characteristics:**

Boiling Point: Not Applicable  
Vapor Pressure: Not Applicable  
Vapor Density: Not Applicable  
Melting Point: Not Applicable  
Evaporation Rate: Not Applicable  
Specific Gravity: 2.076  
Solubility in Water: 317 gpl @ 0° C  
Appearance: Aqua Green Dry Granules  
Odor: Minimal Odor

### **Fire and Explosion Hazard Data:**

Flash Point: Not Applicable  
Flammable Limits: Not Applicable  
Lel and Uel: Not Applicable  
Extinguishing Media: Water or Foam  
Spec. Fire Fighting Procedures: None  
Unusual Fire & Explosion Hazards: None

### **Reactivity Data:**

Stability: Stable  
Condition to Avoid: Strong Oxidizing Acids  
Incompatibility: Not Applicable  
Hazardous Decomposition or By-Products: Not Applicable  
Hazardous Polymerization: Will Not Occur

### **Health Hazard Data:**

Routes of Entry--  
Inhalation: N/A Under Normal Conditions  
Skin: N/A Under Normal Conditions  
Ingestion: N/A Under Normal Conditions  
Health Hazards: None Known  
Carcinogenicity: Not Applicable  
Larc Monographs: Not Applicable  
OSHA Regulated: Not Applicable  
Signs & Symptoms of Exposure: None

**Medical Conditions Generally Aggravated by Exposure:** None known.

**Emergency and First Aid Procedures:**

Wash off with water.  
In case of eye contact, flush eyes with running water.  
If ingested, induce vomiting by lavage with water or milk.

**Precautions for Safe Handling and Use:**

Steps to be taken in case material is released or spilled:  
Sweep up clean material into clean container.  
Waste disposal method:  
Discard in normal waste disposal according to local regulations.  
Precautions to be taken in handling or storage:  
Store in dry area. Wash hands after handling.

**Control Measures:**

Respiratory Protection: Not Normally Needed  
Ventilation: Not Needed Under Normal Conditions

**Protective Clothing or Equipment:**

Gloves: Optional  
Eye Protection: Optional  
Other: Optional  
Work/Hygienic Practices: Wash hands with warm, soapy water after handling.

**Storage and Handling Precautions:**

Store in dry, well-ventilated area.  
Practice good housekeeping; clean up spills immediately.

**References & Definitions:**

Combinations:

NaCl	CAS# 7647-14-5
MgCl <sub>2</sub>	CAS# 7786-30-3
Corrosion Inhibitor	CAS# 7446-20-2
Ice Ban® 200	CAS# 50-21-5

***\*Additional MSDS for liquid green dye colorant is available upon request.***



## ICE BAN® 200

### Chemical Product and Company Identification

**Product Name:** Ice Ban® 200

**Manufacturer:** Scotwood Industries  
12980 Metcalf – Suite 240  
Overland Park, KS 66213

**Telephone Number:** (800) 844-2022

### Composition/Information on Components:

Component	% Comp.	OSHA PEL	ACGIH TLV
Ice Ban® Performance Plus Concentrate	10-30%	None	None
MgCl <sub>2</sub> (30% Solution)	70-90%	None	None

### Accidental Release Measures:

Spills should be contained and taken up with suitable absorbent and placed in containers. Spill area can be washed with water.

### Exposure Control/Personal Protection:

Respiratory	If high vapor or mist concentrate, use of a respirator is recommended.
Ventilation	Use local exhaust to control mist.
Gloves	Impervious gloves are recommended.
Eye Protection	Safety glasses with side shields or chemical goggles if mist is present.
Clothing	Appropriate clothing to prevent skin contact with this substance.

### Fire Fighting Measures:

Flash Point: N/A  
 Flammable Limits: Upper Limit: N/A  
 Lower Limit: N/A  
 Autoignition Temperature: N/A  
 Fire & Explosion Hazard: Negligible fire hazard.  
 Extinguishing Media: Dry Chemical, Carbon Dioxide  
 Water Fog, Alcohol Foam  
 Neutralizing Chemicals: None  
 Special Firefighting: No special procedures required.  
 Precautionary Statement: None  
 NFPA Hazard Code: Health 0  
 Flammability 0  
 Reactivity 0

### Physical and Chemical Properties:

Appearance/Odor: Golden w/ mild odor  
 Physical Description: Liquid  
 pH: 3.0 – 4.0  
 Boiling Point: 240° F  
 Melting Point: Not noted  
 Solubility in Water: Completed  
 Evaporation Rate: Slower than water  
 Pure Material or Mixture: Mixture  
 Specific Gravity: 1.255  
 Volatile Organic Compounds: N/A

### Stability and Reactivity:

Stability: Stable  
 Conditions to Avoid: None  
 Incompatibility: Not Reactive.  
 Hazardous Decomposition: Hydrogen Chloride  
 byproduct when heated to >572° F.  
 Hazardous Polymerization: Will not occur.



ICE BAN® 200

	<b>Route of Entry?</b>	<b>Health Effects</b>	<b>Emergency First Aid Measures</b>
Eyes	Yes	May cause irritation and may injure eye tissue if not removed.	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids.
Ingestion	Yes	Drink water. Large doses may cause gastrointestinal discomfort.	If gastrointestinal irritation develops, consult medical personnel.
Inhalation	Yes	Vapors may be irritating to the respiratory system and nasal passages.	Remove to fresh air. If respiratory symptoms develop, consult medical personnel.
Skin Absorption	Yes	Prolonged or repeated contact may cause irritation.	Flush with large amounts of water; use soap if available.

**Toxicological Information:**

**Toxicity Hazard Rating:**

Not currently listed under SARA Title III.

**OSHA Hazardous/Non-Hazardous:**

Non-Hazardous

**Ecological Information:**

Material does not cause significant environmental impact.

**Disposal Considerations:**

For disposal of this material as a waste, comply with all applicable local, state, and federal regulations for waste disposal.

**Transport Information:**

**DOT:** Not restricted

**IATA:** Not restricted

**HMIS Labeling:** Exempt

**Regulatory Information:**

**SARA Title III Classification:**

Not currently listed as toxic chemical under 40 CFR section 372.65.

**CAS#:** 50-21-5

**Other Information:**

For more information, contact:

Scotwood Industries  
12980 Metcalf – Suite 240  
Overland Park, KS 66213  
(800) 844-2022

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