

Material Safety Data Sheet

Effective Date: June, 2005

Identity: Greenscapes Ice Melting Compound contains a proprietary combination of Potassium Chloride, Sodium Chloride, 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 degrees 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:	Not Applicable Under Normal Conditions
Skin:	Not Applicable Under Normal Conditions
Ingestion:	Not Applicable 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 a 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 after Handling with Warm Soapy Water

Storage and Handling Precautions:

- Store in Dry, Well Ventilated Area
- Practice Good Housekeeping, Clean up Spills Immediately

References & Definitions:

Combinations:	KCl	CAS# 7447-40-7
	NaCl	CAS# 7647-14-5
	MgCl ²	CAS# 7786-30-3
	Corrosion Inhibitor	CAS# 7446-20-2

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



Chemical Product and Company Identification

Product Name:
Ice Ban® 200

Manufacturer:
Scotwood Industries, Inc.
12980 Metcalf
Suite 240
Overland Park, KS 66213

Telephone Number for Information:
1-800-844-2022

Emergency First Aid Measures

Eyes	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids.
Ingestion	If gastrointestinal irritation develops, consult medical personnel.
Inhalation	Remove to fresh air. If respiratory symptoms develop, consult medical personnel.
Skin Absorption	Flush with large amounts of water; use soap if available.

Composition / Information on Components

Component	% Comp.	OSHA PEL	ACGIH TLV
Ice Ban® Performance Plus Concentrate	10-30%	None	None
MgCl2 (30% Solution)	70-90%	None	None

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

Routes of Entry	
Eyes	Yes
Ingestion	Yes
Inhalation	Yes
Skin Absorption	Yes

Accidental Release Measures

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

Health Effects	
Eyes	May cause irritation and may injure eye tissue if not removed
Ingestion	Drink water. Large doses may cause GI discomfort.
Inhalation	Vapors may be irritating to the respiratory system and nasal passages.
Skin Absorption	Prolonged or repeated contact may cause irritation.

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.



ICE BAN[®] 200

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

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, Inc.
 12980 Metcalf
 Suite 240
 Overland Park, KS 66213
 (800) 844-2022

Date Prepared: 15 June 2005