

PRODUCT SPECIFICATION AND MATERIAL SAFETY DATA SHEET
GREEN SCAPES ICE MELTING COMPOUND

Effective Date: July 2010

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 ₂	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 ₂ (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

Accidental Release Measures:

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

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



SCOTWOOD INDUSTRIES, INC.

12980 Metcalf Ave. STE 240
Overland Park, Kansas 66213
Phone: 800.844.2022
Fax: 913.851.3377

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.

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.

	Route of Entry?	Health Effects	Emergency First Aid Measures
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



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