

CSI ICE MELTER MSDS SHEETS 2013-2014 SEASON

**CHEM SALES, INC.
3860 DORR ST.
TOLEDO, OHIO 43607
Phone: 419.386.5249
Fax: 419.531.9565**

PRODUCT SPECIFICATION AND MATERIAL SAFETY DATA SHEET

CSI 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: Fire and Explosion Hazard Data:

Boiling Point: Not Applicable Flash Point: Not Applicable

Vapor Pressure: Not Applicable Flammable Limits: Not Applicable

Vapor Density: Not Applicable Lel and Uel: Not Applicable

Melting Point: Not Applicable Extinguishing Media: Water or Foam

Evaporation Rate: Not Applicable Spec. Fire Fighting

None

Specific Gravity: 2.076 Procedures:

Solubility in 317 gpl @ 0° C Unusual Fire &

None

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Water: Explosion Hazards:

Appearance: Aqua Green Dry Granules

Odor: Minimal Odor

Reactivity Data: Health Hazard Data:

Routes of Entry:

Stability: Stable

Inhalation: N/A Under Normal Conditions

Condition to Avoid: Strong Oxidizing Acids

Skin: N/A Under Normal Conditions

Incompatibility: Not Applicable

Ingestion: N/A Under Normal Conditions

Hazardous Decomposition Health Hazards: None Known

Not Applicable

or By-Products: Carcinogenicity: Not Applicable

Hazardous Polymerization: Will Not Occur Larc Monographs: Not Applicable

OSHA Regulated: Not Applicable

Signs & Symptoms

None

of Exposure:

Medical Conditions Generally Aggravated by Exposure: None known.

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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

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handling.

Storage and Handling Precautions:

Store in dry, well-ventilated area.

Practice good housekeeping; clean up spills immediately.

References & Definitions:

Combinations:

NaCl

MgCl₂

Corrosion Inhibitor

Ice Ban® 200

CAS# 7647-14-5

CAS# 7786-30-3

CAS# 7446-20-2

CAS# 50-21-5

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ICE BAN® 200

Chemical Product and Company Identification

Fire Fighting Measures:

Flash Point: N/A

Product Name: Ice Ban® 200 Flammable Limits: Upper Limit: N/A

Lower Limit: N/A Autoignition N/A

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Temperature: 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

Composition/Information on Components:

NFPA Hazard Code:

Health 0

Flammability 0

Reactivity 0

Component % Comp.

OSHA

PEL

ACGIH

TLV

Ice Ban® Performance

Plus Concentrate

10-30% None None

MgCl₂

(30% Solution)

70-90% None None

Physical and Chemical Properties:

Accidental Release Measures:

Appearance/Odor: Golden w/ mild odor

Spills should be contained and taken up with suitable absorbent and

Physical Description: Liquid

placed in containers. Spill area can be washed with water. pH: 3.0 – 4.0

Boiling Point: 240° F

Melting Point: Not noted

Solubility in Water: Completed

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Evaporation Rate: Slower than water

Pure Material or Mixture: Mixture

Specific Gravity: 1.255

Volatile Organic

N/A

Compounds:

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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:

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Stability: Stable

Conditions to Avoid: None

Incompatibility: Not Reactive.

Hydrogen Chloride

Hazardous Decomposition: 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:

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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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