



## KISSNER MILLING COMPANY LIMITED

32 Cherry Blossom Road  
Cambridge, Ontario N3H 4R7  
1 (800) 434-8248 • (519) 279-4860  
Fax: (877) 434-8250



# SAFETY DATA SHEET

## Section 1: Product Identification

**Product Name** Regard® Eco-Melt  
**Identified Uses** Melt Snow and Ice  
**Supplier's Details** The Kissner Group  
32 Cherry Blossom Road, Cambridge, Ontario, Canada N3H 4R7  
**Phone Number** (519) 279-4860  
**Emergency Contact (24 Hrs)** (613) 996-6666 CANUTEC

## Section 2: Hazard Identification

**Classification (GHS)** Not Classified  
**GHS Labelling** No Labelling applicable  
**Percentage** Not applicable  
**Other Hazards** Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.  
When heated to decomposition, emits toxic fumes. Corrosive to metals upon prolonged contact.

## Section 3: Composition/Information On Ingredients

Ingredients	Percentage	CAS. NO.	Classification
Sodium Chloride	90.0-99.9%	7647-14-5	Not Classified
Calcium Magnesium Acetate (CMA)	0.01-5.0%	76123-46-1	Acute Tox. 4 (Inhalation:dust,mist), H332; Eye Irrit. 2B, H320
Magnesium Chloride	0.01-5.0%	7786-30-3	Not Classified
Product may contain color indicator			

## Section 4: First-Aid Measures

### Description of First Aid Measures

**General** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

**Inhalation** When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

**Skin Contact** Remove contaminated clothing. Brush off loose particles. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation persists. Wash contaminated clothing before reuse.



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Eye Contact	Rinse cautiously with water for several minutes. Brush off loose particles. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

### Most Important Symptoms and Effects Both Acute and Delayed

General	Dust may cause mechanical irritation to eyes, nose, throat, and lungs
Inhalation	Prolonged contact with large amounts of dust may cause mechanical irritation.
Skin Contact	Skin contact with large amounts of dust may cause mechanical irritation.
Eye Contact	Contact may cause irritation due to mechanical abrasion
Ingestion	Ingestion is not likely to be harmful or have adverse effects
Other	Contact with large amount of dust may cause mechanical irritation to eyes, nose, throat, and lungs.
Chronic Symptoms	Not available

## Section 5: Fire-Fighting Measures

<b>Suitable Extinguishing Media:</b>	Use extinguishing media appropriate for surrounding fire.
<b>Unsuitable Extinguishing Media:</b>	Do not use a heavy water stream. Use of heavy stream of water may spread fire.
<b>Fire Hazard:</b>	Not considered flammable but may burn at high temperatures.
<b>Explosion Hazard:</b>	Product is not explosive.
<b>Reactivity:</b>	When heated to decomposition, emits toxic fumes. Toxic Gas.
<b>Hazardous Combustion Products:</b>	Toxic fumes are released. Hydrogen chloride. Sodium oxides. Chlorine.
<b>Other Information:</b>	Do not allow run-off from firefighting to enter drains or water courses.

## Section 6: Accidental Release Measures

<b>Personal Precautions</b>	Avoid breathing (dust). Avoid all contact with skin, eyes, or clothing.
<b>Protective Equipment:</b>	Use appropriate personal protection equipment (PPE).
<b>Environmental Precautions</b>	Prevent entry to sewers and public waters. Avoid release to the environment. Clear up spills immediately and dispose of waste safely.
<b>Methods for Cleaning Up</b>	Recover the product by vacuuming, shoveling or sweeping. Contact competent authorities after a spill.

## Section 7: Handling And Storage

### Precautions for Safe Handling



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### Additional Hazards When Processed

When heated to decomposition, emits toxic fumes. Contact with water causes an exothermic heat reaction, which may cause significant temperature rise. Corrosive to metals upon prolonged contact. May release hydrogen gas on prolonged contact with certain metals.

### Hygiene Measures

Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

### Conditions for Safe Storage, Including Any Incompatibilities

#### Technical Measures

Comply with applicable regulations

#### Storage Conditions

Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from extremely high or low temperatures, direct sunlight, heat, ignition sources, and incompatible materials.

#### Incompatible Materials

Strong acids. Strong bases. Strong oxidizers.

## Section 8: Exposure Controls/Personal Protection

### Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

### Appropriate Engineering Controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed. Ensure adequate ventilation, especially in confined areas

### Personal Protective Equipment

Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection. Gloves.



### Materials for Protective Clothing:

Chemically resistant materials and fabrics.

### Hand Protection:

Wear chemically resistant protective gloves.

### Eye Protection:

Chemical goggles or face shield.

### Skin and Body Protection:

Wear suitable protective clothing.

### Respiratory Protection:

Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations are expected to exceed exposure limits.

## Section 9: Physical And Chemical Properties

### Physical State

Solid

### Appearance

Blue Colored Granules



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Vapour Pressure (mm Hg at 20°C)	Not applicable
Vapour Density (Air = 1.0)	Not applicable
Bulk Density	Not applicable
Solubility in Water	Water Soluble
Specific Gravity (gm/cc, Water = 1.0)	Not applicable
% Volatile by Volume	Non-volatile
Boiling Range (Deg. Celsius)	Not applicable
Melting/Freezing Point (Deg. Celsius)	Not applicable
Coefficient of Water/Oil Distribution	Not applicable
pH	10 (1% solution @ 20°C)

## Section 10: Stability And Reactivity

<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Reactivity:</b>	When heated to decomposition, emits toxic fumes.
<b>Possibility of Hazardous Reactions:</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid:</b>	Direct sunlight. Extremely high or low temperatures. Incompatible materials.
<b>Incompatible Materials:</b>	Strong acids. Strong bases. Strong oxidizers. Reactive metals.
<b>Hazardous Decomposition Products:</b>	Toxic gases. Hydrogen chloride. Chlorine. Sodium oxides. Oxides of magnesium.

## Section 11: Toxicological Information

<b>Acute Toxicity:</b>	Not classified
<b>LD50 and LC50 Data:</b>	Not available
<b>Skin Corrosion/Irritation:</b>	Not classified
<b>Serious Eye Damage/Irritation:</b>	Not classified
<b>Respiratory or Skin Sensitization:</b>	Not classified
<b>Germ Cell Mutagenicity:</b>	Not classified
<b>Teratogenicity:</b>	Not available
<b>Carcinogenicity:</b>	Not classified
<b>Specific Target Organ Toxicity (Repeated Exposure):</b>	Not classified
<b>Reproductive Toxicity:</b>	Not classified
<b>Specific Target Organ Toxicity (Single Exposure):</b>	Not classified
<b>Aspiration Hazard:</b>	Not classified

Information on Toxicological Effects - Ingredient(s)

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<b>Sodium chloride (7647-14-5)</b>	LD50 Oral Rat	3 g/kg
	LC50 Inhalation Rat	> 42 g/m <sup>3</sup> (Exposure time: 1 h)
<b>Calcium Magnesium Acetate (76123-46-1)</b>	LC50 Inhalation Rat	> 4600 mg/m <sup>3</sup> (Exposure time: 4 h)

**Section 12: Ecological Information**

**Toxicity** No additional information available

**Sodium chloride (7647-14-5)**

<b>LC50 Fish 1</b>	5560 (5560 - 6080) mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow- through])
<b>EC50 Daphnia 1</b>	1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>LC 50 Fish 2</b>	12946 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>EC50 Daphnia 2</b>	340.7 (340.7 - 469.2) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

**Persistence and degradability** Not available

**Bio accumulative potential**

Sodium chloride (7647-14-5)	BCF Fish 1	(no bioaccumulation)
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**Mobility in Soil** Not available

**Other Information** Avoid release to the environment

**Section 13: Disposal Considerations**

**Waste Disposal Recommendations** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Section 14: Transport Information**

In Accordance with DOT/ IMDG/ IATA/ TDG - Not regulated for transport

**Section 15: Regulatory Information****US Federal Regulations**

Sodium chloride (7647-14-5)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
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**Canadian Regulations**

<b>Regard Eco-Melt</b>	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
<b>Sodium chloride (7647-14-5)</b>	Listed on the Canadian DSL (Domestic Substances List)
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria



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<b>Calcium Magnesium Acetate (76123-46-1)</b>	Listed on the Canadian DSL (Domestic Substances List)
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
<b>Magnesium Chloride (7786-30-3)</b>	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

## Section 16: Other Information

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**Effective Date:** October 28, 2015

**Version** 2

**Contact** [sds@kissner.com](mailto:sds@kissner.com)

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