THE KISSNER GROUP
32 Cherry Blossom Road
Cambridge, Ontario N3H 4R7
1 (800) 434-8248 • (519) 279-4860
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SAFETY DATA SHEET

HMIS HAZARD RATING: Health = 0, Fire = 0, HMIS Reactivity = 0

Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe

Section 1: Product Identification

Product Name	Polar Ice 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
Available Packaging	5 kg jug, 50 lb bag, 50 lb pail, 50 lb box

Section 2: Hazard Identification

Hazardous Ingredients	Contains Calcium Chloride. No other hazardous substances present in reportable amount
Percentage	Not applicable
LD/50, Route, Specie	Not applicable
LC/50, Route, Specie	Not applicable

Section 3: Composition/Information On Ingredients

Ingredients	CAS. NO.
Sodium Chloride	7647-14-5
Calcium Chloride	10043-52-4
Product may contain color indicator	N/A

Section 4: First-Aid Measures

Eye	Flush with copious amounts of water for 15 minutes. If irritation persists consult a physician.
Skin	Remove contaminated clothing. Wash affected area with water and soap. Seek medical attention if irritation occurs or persists.
Ingestion	If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by a medical professional.
Inhalation	Move victim to fresh air.

Section 5: Fire-Fighting Measures

Fire Extinguishing Procedures	Not applicable
Flash Point	Not applicable
Upper Flammable Limit	Not applicable
Lower Flammable Limit	Not applicable
Auto-ignition Temperature	Not applicable
Hazardous Combustion Products	None
Sensitivity to mechanical impact	No
Sensitivity to Static Discharge	No

Section 6: Accidental Release Measures

Losses incidental to correct application of this product in its intended use are not expected to be harmful to the environment. Wear appropriate safety apparel during clean up and avoid entry of large amounts of product into sewers, natural waters, and drinking water sources. Due to possible harmful effects, avoid contact with vegetation, animals and fish life. Recover quickly into suitable, dry sealable containers if reusing. Small quantities may be flushed away with plenty of water. Walking surfaces may remain wet longer due to moisture being held by spilled product; avoid by thoroughly water washing surfaces.

Section 7: Handling And Storage

Storage Needs	Store in dry area. Keep container closed.
Handling procedures and equipment	Avoid skin and eye contact. Avoid breathing dust. Remove contaminated clothing before reuse

Section 8: Exposure Controls/Personal Protection

Eye/Face Protection:	For dusty conditions, wear chemical safety goggles and hat. Under these conditions do not wear contact lenses, keep goggles clean.
Skin Protection:	As a minimum, wear long sleeve shirt and trousers, boots and gloves for routine product use. Remove promptly any contaminated clothing. Wear safety boots.
Respiratory Protection:	Where exposure to dust from this product may exceed the applicable exposure limits a NSHA-NIOSH approved respirator for the dust should be used.

Section 9: Physical And Chemical Properties

Physical State	Solid, flakes, crystals
Appearance & Odour	Blue colored granules; Odorless
Odour Threshold	Not applicable
Specific Gravity (Water=1)	2.2
Vapour Pressure (MMHG)	(mm Hg) 0.009 @ 20 Deg C.
Vapour Density (Air=1)	Not applicable
Evaporation Rate	Not applicable
Boiling Point	338°F 198°C
Freezing Point	-31°F
pH	10 (1% solution @ 20 degrees C)
Coefficient of Water/Oil Distribution	Not applicable

Section 10: Stability And Reactivity

Chemical Stability	Decomposes at 350°F
Hazardous Polymerization	Not available
Conditions of Reactivity	Calcium chloride will: Corrode most metals exposed to air; attack aluminum (and its alloys) and yellow brass; react with sulphuric acid to form hydrogen chloride which is corrosive, irritating and reactive; give an exothermic reaction with water-reactive materials such as sodium; result in a runaway polymerization reaction with methyl vinyl ether (Bretherick 1979); and, in a solution form react with zinc (galvanizing) to yield hydrogen gas which is explosive.
Hazardous Decomposition	None

Section 11: Toxicological Information

Route of entry into the body	Eye, skin, inhalation and ingestion.
Effects of acute exposure to product	**Eye:** May cause moderate to severe eye irritation with corneal injury, which may be slow to heal, when dissolving. The heat produced may cause more intense effects as well as thermal burns. **Skin**: Not likely to cause significant skin irritation. Contact with broken skin may cause mild irritation or rash **Inhalation of dust**: Dust can be irritating, may cause nose throat and respiratory tract irritation and coughing Ingestion: Single dose oral toxicity is low. Ingestion may cause gastrointestinal irritation or ulceration.
Effects of chronic exposure to product	**SKIN:** may cause skin irritation, even burn. May cause more severe response if skin is damp and/or abraded, or if material is confined to skin. When dissolving, the heat produced may cause more intense effects as well as thermal burns. EYES, INHALATION and INGESTION: see “Acute Effects” above.
Exposure limits	Not applicable
Irritancy of product	See above
Sensitization of product	In susceptible individuals.
Carcinogenicity of product	Not indicated
Reproductive toxicity	Not available
Teratogenicity	Not available
Mutagenicity	Not available
Synergistic effects	Not available
LD/50	900-2100 mg/kg oral, rat
LC/50	Not indicated

Section 12: Ecological Information

Toxicity	There is no data available.
Persistence and degradability	There is no data available.
Bio accumulative potential	There is no data available.
Soil/water partition coefficient (KOC)	There is no data available.
Other adverse effects	No known significant effects or critical hazards.

Section 13: Disposal Considerations

Do not dump into sewers, or into any body of water. Follow application directions found on the package. For disposal of this material as a waste, act in accordance with all applicable local, state and federal waste management regulations.

Section 14: Transport Information

This product is not regulated by D.O.T. when shipped domestically by land.

Section 15: Regulatory Information

To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

WHMIS Classification for product: Class D, Div.2, Sub. B

Canadian DSL: The ingredients in this product are on the Domestic Substance List.

Section 16: Other Information

Effective Date: **September 2, 2014**

Version **1**

The information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to review this information, satisfy themselves as to its suitability and completeness and pass on the information to its employees or customers. Kissner Group does not accept responsibility for any loss or damage, which may occur from the use of this information.