SAFETY DATA SHEET

Section 1: Product Identification

Product Name:	**Cope Performance Blend Ice Melter**
Chemical Name:	
Synonyms:	
Product Use:	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:	**(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.

Section 3: Composition/Information On Ingredients

Ingredients & Percentage:	Sodium Chloride – 80.0-99.9% Calcium Chloride – 0.01-5.0% Magnesium Chloride – 0.01-5.0% Calcium Magnesium Acetate (CMA) – 0.01-5.0% Potassium Chloride – 0.01-5.0%
CAS. NO.:	**Sodium Chloride -** 7647-14-5 **Calcium Chloride –** 10043-52-4 **Magnesium Chloride –** 7786-30-3 **Calcium Magnesium Acetate (CMA)** – 76123-46-1 **Potassium Chloride** – 7447-40-7
Classification:	Sodium Chloride – Not Classified

Calcium Chloride – Eye Irrit. 2A, H319
Magnesium Chloride – Not Classified
Calcium Magnesium Acetate (CMA) – Acute Tox. 4 (Inhalation:dust,mist), H332; Eye Irrit. 2B, H320
Potassium Chloride – Aquatic Acute 3, H402

Section 4: First-Aid Measures

Skin and Eye: Flush with water

Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Section 5: Fire-Fighting Measures

Flash Point:
Fire Hazard: Not considered flammable but may burn at high temperatures
Explosion Hazard: Product is not explosive
Special Fire Fighting Procedures:
Special Remarks on Explosion Hazards:

Section 6: Accidental Release Measures

Non-hazardous: Clear up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Contact competent authorities after a spill.

Section 7: Handling And Storage

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.

Section 8: Exposure Controls/Personal Protection

Ventilation:	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment:	Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection. Gloves.
Medical Conditions Aggravated by Exposure:	
Effects of Overdose or Overexposure:	

Section 9: Physical And Chemical Properties

Appearance/Physical State:	Blue colored granules. Odorless.
Vapour Pressure:	Not available
Vapour Density (Air=1.0)	Not available
Evaporation Rate	
Solubility in Water (g/100cc)	Water Soluble
Specific Gravity (gm/cc, Water = 1.0)	Not available
% Volatile by Volume	Non-volatile
Boiling Point (˚C) @ 760mm	Not available

Section 10: Stability And Reactivity

Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Direct sunlight. Extremely high or low temperatures. Incompatible materials.
Hazardous Polymerization:	Polymerization occurs with calcium chloride when mixed with methyl vinyl ether.
Hazardous Decomposition Products:	Toxic gases. Hydrogen chloride. Chlorine. Sodium oxides. Oxides of magnesium. Oxides of calcium.
Corrosivity:	Corrosive to metals upon prolonged contact.
Special Remarks on Reactivity:	When heated to decomposition, emits toxic fumes. Toxic Gas.

Section 11: Toxicological Information

Acute Toxicity:	Not classified
Respiratory or Skin Sensitization:	Not classified
Germ Cell Mutagenicity:	Not classified
Carcinogenicity:	Not classified
Specific Target Organ Toxicity (Repeated Exposure):	Not classified
Reproductive Toxicity:	Not classified
Specific Target Organ Toxicity (Single Exposure):	Not classified
Aspiration Hazard:	Not classified

Information on Toxicological Effects- Ingredient(s)

Sodium chloride (7647-14-5)	LD50 Oral Rat	3 g/kg
	LC50 Inhalation Rat	> 42 g/m³ (Exposure time: 1 h)
Calcium Chloride (10043-52-4)	LD50 Oral Rat	1455-2781 mg/kg
	LD50 Dermal Rabbit	> 5000 mg/kg

Calcium Magnesium Acetate (76123-46-1) LC50 Inhalation Rat > 4600 mg/m³ (Exposure time: 4 h)
Potassium Chloride (7447-40-7) LD50 Oral Rat 2600 mg/kg

Section 12: Ecological Information

Toxicity No additional information available

LC50 Fish 1	5560(5560-6080) mg/l (Exposure time: 96 h – Species: Lepomis macrochirus {flow-through})
EC50 Daphnia 1	1000 mg/l (Exposure time: 48 h – Species: Daphnia magna)
LC 50 Fish 2	12946 mg/l (Exposure time: 96 h – Species: Lepomis macrochirus {static})
EC50 Daphnia 2	340.7 (340.7-469.2) mg/l (Exposure time: 48 h – Species: Daphnia magna {static})

Sodium chloride (7647-14-5)

LC50 Fish 1	5560(5560-6080) mg/l (Exposure time: 96 h – Species: Lepomis macrochirus {flow-through})
EC50 Daphnia 1	1000 mg/l (Exposure time: 48 h – Species: Daphnia magna)
LC 50 Fish 2	12946 mg/l (Exposure time: 96 h – Species: Lepomis macrochirus {static})
EC50 Daphnia 2	340.7 (340.7-469.2) mg/l (Exposure time: 48 h – Species: Daphnia magna {static})

Calcium Chloride (10043-52-4)

LC50 Fish 1	10650 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	2400 mg/l (Exposure time: 48 h - Species: Daphnia magna)

LC50 Fish 1	5560(5560-6080) mg/l (Exposure time: 96 h – Species: Lepomis macrochirus {flow-through})
EC50 Daphnia 1	1000 mg/l (Exposure time: 48 h – Species: Daphnia magna)
LC 50 Fish 2	12946 mg/l (Exposure time: 96 h – Species: Lepomis macrochirus {static})

Potassium Chloride (7447-40-7)

LC50 Fish 1	1060 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [stactic])
EC50 Daphnia 1	825 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	750-1020 mg/l (Exposure time: 96 h - Species: Pimephales Promelas [stactic])
EC50 Daphnia 2	83 mg/l (Exposure time: 48 h - Species: Daphnia magna [stactic])

EC50 Daphnia 1	1000 mg/l (Exposure time: 48 h – Species: Daphnia magna)
LC 50 Fish 2	12946 mg/l (Exposure time: 96 h – Species: Lepomis macrochirus {static})
EC50 Daphnia 2	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)
Calcium chloride (10043-52-4)	BCF Fish 1	(no bioaccumulation)

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 Not regulated for transport

Section 15: Regulatory Information

US Federal Regulations

(Sodium chloride (7647-14-5), Calcium chloride, Potassium Chloride	Listed on the United States TSCA (Toxic Substances; Control Act) inventory

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

Effective Date: **June 1, 2015**
Version: **1**
Contact: sds@kissner.com

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