

**SECTION 1: PRODUCT INFORMATION**

T.D.G. Classification.....	Not regulated
UN Number.....	Not applicable
Packing Group.....	Not applicable
Product Name.....	Polar Ice Melter
WHIMIS Classification.....	Class D, Div. 2, Sub. B
Chemical Formula.....	CaCl <sub>2</sub> 2H <sub>2</sub> O
Chemical Family.....	Not applicable
Product Use.....	Ice melting
CAS #.....	Not applicable
Supplier.....	Kissner Salts & Chemicals 32 Cherry Blossom Rd Cambridge, On N3H 4R7 (519) 650-9998
Available Packaging.....	5kg jug, 10kg bag & pail, 50lb bag, pail & box, 1000kg tote, ..... 100lb drum

**SECTION 2: HAZARDOUS INGREDIENTS**

Hazardous Ingredients.....	No hazardous substances present in reportable amounts
Percentage.....	Not applicable
LD/50, Route, Specie.....	Not applicable
LC/50, Route, Specie.....	Not applicable

**SECTION 3: PHYSICAL DATA**

Physical State.....	Solid
Appearance & Odour.....	Blue Granules solid
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).....	Approx. 0.9
% Volatile by Volume.....	Non volatile
Boiling Range (Deg. Celsius).....	Not applicable
Melting/Freezing Point (Deg. Celsius).....	-31° C (-24°F)
Coefficient of Water/Oil Distribution.....	Not applicable
pH.....	7.2

**SECTION 4: FIRE AND EXPLOSION DATA**

Flash Point.....	Not applicable
Autoignition Temperature (Deg. Celsius).....	Not auto-ignitable
Flammability Limits in Air (%) LEL.....	Product is non-flammable. Not considered a fire hazard
Flammability Limits in Air (%) UEL.....	Not applicable
Fire Extinguishing Media.....	Foam, Dry Chemical, Carbon Dioxide, Water Fog
Fire Fighting Procedures.....	Wear self-contained Breathing Apparatus and impervious clothing minimize the amount of water used and contain the run-off. The products will decomposes on heating
Other Fire or Explosion Hazards.....	Toxic gases may be released in fire
Sensitivity to Mechanical Impact.....	Not sensitive
Rate of Burning.....	Not applicable
Explosive Power.....	None
Sensitivity to Static Discharge.....	None
Hazardous Combustion products.....	None

**SECTION 5: REACTIVITY DATA****Chemical Stability**

Under Normal Conditions.....	Stable under normal conditions
Under Fire Conditions.....	Not applicable
Hazardous Polymerization.....	Will not occur

**Kissner Salts & Chemicals**

**M.S.D.S.**

**POLAR ICE MELTER**

Conditions to Avoid.....None  
Materials to Avoid.....strong oxidizers and acids  
Hazardous Decomposition.....Hydrogen chloride, oxides of carbon, oxides of nitrogen, ammonia

### SECTION 6: TOXICOLOGICAL PROPERTIES

Route of entry into the body.....Eye, skin, inhalation and ingestion.  
Effects of acute exposure to product.....Eye: can cause mild to moderate temporary infection  
Skin: contact with abraded skin may cause mild irritation or rash  
Inhalation of dust: may cause nose throat and respiratory tract irritation and coughing  
Effects of chronic exposure to product.....Not known at this time  
Exposure limits.....Not applicable  
Irritancy of product.....None hazardous by WHIMIS criteria  
Sensitization of product.....Not available  
Carcinogenicity of product.....None hazardous by WHIMIS criteria  
Reproductive toxicity.....Not available  
Teratogenicity.....Not available  
Mutagenicity.....Insufficient data available  
Synergistic effects.....Not available

### SECTION 7: PREVENTIVE MEASURES

Specific Engineering controls required.....Local exhaust for dust  
Procedures to be followed in case of spill/leak.....Small spills: May be flushed away with water or sweep up.  
Large spills: Sweep or scoop up for reuse or disposal.  
Waste Disposal.....Small spills: May be sewered.  
Large spills: Should be disposed of in landfill according to regulations.  
Protective Equipment to be used.....While this product is considered non-hazardous, good industrial practice suggests the use of proper eye protection and the use of gloves.  
Storage Needs.....Store away from strong oxidizing agents.  
Handling procedures and equipment.....Store in dry area. Keep container closed.  
Special shipping information.....Not applicable

### SECTION 8: FIRST AID MEASURES

**EYE CONTACT:**.....Flush eyes with flowing water. If irritation or redness are severe or persist, consult physician.  
**SKIN CONTACT**.....Flush skin with running water.  
**INGESTION**.....Drink liquids to dilute and consult physician.  
**INHALATION**.....Move victim to fresh air.

### SECTION 9: PREPARATION INFORMATION

Prepared by.....J.Browes  
Emergency Phone No.....(613) 996-6666 (Canutec)  
Date.....January 2009

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