

Kissner Salts & Chemicals

M.S.D.S.

Earth's EcoMagnesium Chloride

SECTION 1: PRODUCT INFORMATION

T.D.G. Classification.....Not regulated
UN NumberNot applicable
Packing GroupNot applicable
Product Name.....Earth's EcoMagnesium Chloride Ice Melter
WHIMIS ClassificationNot applicable
Chemical Formula.....Not applicable
Chemical Family.....Not regulated
Product UseIce melting
CAS #Not applicable
SupplierKissner Salts & Chemicals
.....32 Cherry Blossom Rd Cambridge, Ontario N3H 4R7
.....(519) 279-4860
Available Packaging.....50 lb Bag, 50 lb Box, 50 lb Pail, and 2000 lb Super Sac

SECTION 2: HAZARDOUS INGREDIENTS

Hazardous IngredientsMagnesium Chloride Hexahydrate CAS # 7791-18-6. No other hazardous substances present in reportable amounts.
Percentage.....Not applicable
LD/50, Route, SpecieNot applicable
LC/50, Route, SpecieNot applicable

SECTION 3: PHYSICAL DATA

Physical State.....Solid
Appearance & OdourGreen crystalline solid
Vapour Pressure (mm Hg at 20°C).....Not applicable
Vapour Density (Air = 1.0).....Not applicable
Bulk DensityNot applicable
Solubility in Water.....Water Soluble
Specific Gravity (gm/cc, Water = 1.0)Not applicable
% Volatile by VolumeNon volatile
Boiling Range (Deg. Celsius)Not applicable
Melting/Freezing Point (Deg. Celsius) .. -22 degrees Celsius.
Coefficient of Water/Oil Distribution ... Not applicable
pH10 (1 % solution @ 20 degrees C)

SECTION 4: FIRE AND EXPLOSION DATA

Flash PointNot applicable
Autoignition Temperature (Deg. Celsius)Not auto-ignitable
Flammability Limits in Air (%) LELProduct is non-flammable. Not considered a fire hazard
Flammability Limits in Air (%) UEL.....Not applicable
Fire Extinguishing MediaNot applicable
Fire Fighting Procedures.....Not applicable
Other Fire or Explosion HazardsNot applicable
Sensitivity to Mechanical ImpactNot sensitive
Rate of Burning.....Not applicable
Explosive PowerNone
Sensitivity to Static DischargeNone
Hazardous Combustion products.....None

SECTION 5: REACTIVITY DATA

Chemical Stability

Under Normal ConditionsStable under normal conditions
Under Fire ConditionsNot applicable
Hazardous Polymerization.....Will not occur
Conditions to Avoid.....None
Materials to Avoid.....strong oxidizers
Hazardous DecompositionHydrogen Chloride

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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	Non hazardous by WHIMIS criteria
Sensitization of product	Not available
Carcinogenicity of product	Non 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	October 2010

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