

Kissner Salts & Chemicals

M.S.D.S.

Earth's EcoMagnesium Chloride

SECTION 1: PRODUCT INFORMATION

T.D.G. Classification.....Not regulated
UN Number.....Not applicable
Packing Group.....Not applicable
Product Name.....Earth's EcoMagnesium Chloride Ice Melter
WHIMIS Classification.....Not applicable
Chemical Formula.....Not applicable
Chemical Family.....Not regulated
Product Use.....Ice melting
CAS #.....Not applicable
Supplier.....Kissner 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 Ingredients.....Magnesium Chloride Hexahydrate CAS # 7791-18-6. No other 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.....Green crystalline 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).....Not applicable
% Volatile by Volume.....Non volatile
Boiling Range (Deg. Celsius).....Not applicable
Melting/Freezing Point (Deg. Celsius).....-22 degrees Celsius.
Coefficient of Water/Oil Distribution.....Not applicable
pH.....10 (1 % solution @ 20 degrees C)

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.....Not applicable
Fire Fighting Procedures.....Not applicable
Other Fire or Explosion Hazards.....Not applicable
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
Conditions to Avoid.....None
Materials to Avoid.....strong oxidizers
Hazardous Decomposition.....Hydrogen 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 sewerred. 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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