

Kissner Salts & Chemicals

M.S.D.S.

MAGNESIUM CHLORIDE, FLAKE

SECTION 1: PRODUCT INFORMATION

T.D.G. Classification Not regulated
UN Number N/A
CAS # 7791-18-6
Packing Group N/A
Product Name Magnesium Chloride, Flake
WHIMIS Classification This is not a controlled product
Chemical Formula MgCl₂·6H₂O
Chemical Family Inorganic
Product Use N/A
Available Packaging N/A
Supplier Kissner Salts & Chemicals 32 Cherry Blossom Rd Cambridge, Ontario
N3H 4R7 (519) 650-9998

SECTION 2: HAZARDOUS INGREDIENTS

Hazardous Ingredients.....%	C.A.S. #.....	LD/50	LC/50	Route, Species.....	Route, Species
Hexahydrate	45-47	7791-18-6.....	8100 mg/kg (oral,Rat).....	N.Av.	
Calcium Chloride	2-3	10035-04-8.....	1000 mg/kg (oral,Rat).....	N.Av.	
Potassium Chloride	0.5-1.0.....	7447-40-7.....	2430 mg/kg (oral,Rat).....	N.Av.	
Sodium Chloride	0.5-1.0.....	7647-14-5.....	3750 mg/kg (oral,Rat).....	N.Av.	
Water	Balance	7732-18-5.....			

SECTION 3: PHYSICAL DATA

Physical State Flakes
Appearance & Odour White to grey scaly flakes without odour
Odour Threshold N/A
Specific Gravity (Water = 1) AT 68 degrees F = 1.6 g/cm³
Vapour Pressure (MMHG)..... AT 68 degrees F = 0.7
Vapour Density (Air = 1) N/A
Evaporation Rate N/A
Boiling Point 1412C
Freezing Point N/A
pH N/A
Coefficient of Water/Oil Distribution N/A

SECTION 4: FIRE AND EXPLOSION DATA

Hazardous Conditions Not flammable
Fire Extinguishing Procedures No special instructions. Product can be used to smother fires. Fire fighters should wear self-contained breathing apparatus.
Flash Point N/A
Upper Flammable Limit N/A
Lower Flammable Limit N/A
Auto-ignition Temperature N/A
Hazardous Combustion Products N/A
Sensitivity to mechanical impact N/A
Sensitivity to Static Discharge N/A
Hazardous Combustion products N/A

SECTION 5: REACTIVITY DATA

Chemical Stability Stable under normal conditions
Hazardous Polymerization Will not occur
Conditions of Reactivity N/A
Hazardous Decomposition HCL (>1400 (c)) (eventually chlorine)

SECTION 6: TOXICOLOGICAL PROPERTIES

Route of entry into the body
Skin Contact May irritate damp skin.
Skin absorption None
Eye Contact May cause eye irritation.

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Inhalation	Dust may irritate the nose and throat, causing coughing and chest discomfort.
Ingestion	Abdominal cramps and/or diarrhea
Effects of acute exposure to product	Refer to route of entry.
Effects of chronic exposure to product	May result in delayed liver and/or kidney damage.
Exposure limits	N/A
Irritancy of product	N/A
Sensitization of product	N/A
Carcinogenicity of product	N/A
Reproductive toxicity	N/A
Teratogenicity	N/A
Mutagenicity	N/A
Synergistic effects	N/A

SECTION 7: PREVENTIVE MEASURES

Personal Protective Equipment required	Wear protective gloves, dust mask, safety glasses and boots.
Specific Engineering controls required	Ventilate adequately.
Spill/Leak Procedures	Contain spill. Avoid dust accumulation, pick up, put in container.
Waste Disposal	In accordance with municipal, provincial and federal regulations.
Storage Needs	Store in a cool dry place. Keep container closed when not in use. Normal storage conditions.
Handling procedures and equipment	Avoid prolonged or repeated skin contact. Avoid getting in eyes. Avoid chronic inhalation of dust. Minimize dust generation and exposure. Use dust mask. Use adequate ventilation. Maintain a good personal hygiene. The material is highly hygroscopic and deliquesces above 30% relative atmospheric humidity. Must be stored under dry conditions.

SECTION 8: FIRST AID MEASURES

EYE CONTACT:	Flush eyes with abundant water.
SKIN CONTACT	Wash skin with soap and water.
INGESTION	Have victim drink two glasses of water. Induce vomiting if conscious. keep the person warm and seek medical attention.
INHALATION	Remove to fresh air.

SECTION 9: PREPARATION INFORMATION

Emergency Phone No.	(613) 996-6666 (Canutec)
Date	January 2011
Prepared by	J Turnbull

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