



**THE KISSNER GROUP**  
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**M.S.D.S.**

**MAGNESIUM CHLORIDE, PELLET**

**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, Pellet  
 WHIMIS Classification.....This is not a controlled product  
 Chemical Formula.....MgCl<sub>2</sub>.6H<sub>2</sub>O  
 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.....
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.....Solid  
 Appearance & Odour.....White to grey scaly Pellet 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.

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.....May 2011  
 Prepared by.....J Turnbull

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