



Material Safety Data Sheet

Section 01: Product & Company Identification

Product Name: **MAGNESIUM CHLORIDE FLAKES**

Manufacturer: Innovative Group of Companies **Effective date:** January, 2009

78 Orchard Road,

Ajax, Ontario,

LIS 6L1,

Canada.

Emergency Phone Number:

613-996-6666

24 Hours/Day: 7 Days/Week

For More Information Call:

1-800-387-5777

905-427-0318

Trade Name: MAG Flakes

Material Uses: De-icing, Dust Control

WHMIS Classification: Not Controlled

Chemical Family: Inorganic Salt

Section 2: Composition and Information on Ingredients

Components	CAS #	% by Weight
Magnesium Chloride	7786-30-3	47%

Section 3: Physical Data

Physical state: Solid.

Odor / Appearance: White flake / Translucent, odorless

Odor Threshold: n/a

Specific Gravity: 1.65 @ 25 C

pH: Neutral

Vapor Pressure: n/a

Solubility in Water: Soluble in Water & Alcohol

% Volatile: n/a

Coefficient of water / oil Distribution: n/a

Vapor Density: n/a

Section 4:	Fire & Explosion Hazard
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Flammability:	No
If yes under what Conditions:	n/a
Means of Extinguishing:	n/a
Special Procedure:	none, product can be used to extinguish fires
Flash Point:	n/a
Upper Explosion Limit:	n/a
Lower Explosion Limit:	n/a
Auto Ignition temperature:	n/a
Sensitivity to Mechanical Impact:	Not Sensitive
Sensitivity to Static Discharge:	n/a

Section 5:	Reactivity Data
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Chemical Stability:	Yes
If No Under What Conditions:	n/a
Incompatibility o other Substances:	Yes
If So, Which ones:	Bromine tri fluoride, sulfuric acid, sodium, methyl vinyl, zinc
Reactivity under What Conditions:	n/a
Hazardous Decomposition Products:	Chloride fumes are given off @ temperatures >1600 deg C

Section 6:	Health Hazards
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Route of Entry:	Inhalation and Ingestion
Effect of Acute exposure to material:	Very low toxicity LD50 (oral rat) 8100mg/kg, may cause slight irritation of eyes, skin
Effect of Chronic exposure to material:	n/a
Exposure limit:	n/a
Synergetic Material:	None
Irritancy of Material:	Minor irritant
Sensitivity of Material:	n/a
Carcinogenic, Reproductive Effect:	n/a

Section 7:	First AID Measures
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Eye Contact:	Flush eyes with water
Skin Contact:	Remove from skin by wiping and washing thoroughly with water
Inhalation:	Remove victim to fresh air
Ingestion:	If discomfort exists, induce vomiting. Seek medical attention immediately

Section 8:	Preventative Measures
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Eye Contact:	Wear Safety Goggles
Skin Contact:	Wear Rubber Gloves, Boots & Long Sleeve Shirt
Engineering Controls:	Mechanical ventilation recommended in enclosed areas
Waste Disposal:	Dispose of material in government approved landfill site in accordance with local laws
Handling Procedures & Equipment:	Wash skin and equipment with water
Storage requirement:	Store in cool dry area. Due to its hygroscopic nature, MAG absorbs moisture and softens rapidly
Special Shipping information:	No special shipping procedures necessary

Section 9:	Preparation Information
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Prepared By:	Innovative Group of Companies
Telephone #:	905-427-0318
Preparation Date:	November, 2009
Superseded Date:	March, 2006