



# Material Safety Data Sheet

## Section 01: Product & Company Identification

**Product Name:** 30% MAGNESIUM CHLORIDE BRINE  
(UNINHIBITED)

**Manufacturer:** Innovative Group of Companies  
78 Orchard Road,  
Ajax, Ontario,  
LIS 6L1,  
Canada. **Effective date:** January, 2009

**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:** Uninhibited Magnesium Chloride Brine 30%  
**Material Uses:** De-icing, Anti-icing, Dust Control  
**WHMIS Classification:** Not Controlled  
**Chemical Family:** Inorganic Salt Solution

## Section 2: Composition and Information on Ingredients

Components	CAS #	% by Weight
Magnesium Chloride	7786-30-3	30.0%

## Section 3: Physical Data

**Physical state:** Liquid  
**Odor / Appearance:** Odorless / Clear & Bright  
**Odor Threshold:** n/a  
**Specific Gravity:** 1.29 gm / ml  
**pH:** 6.0 to 8.0  
**Vapor Pressure:** n/a  
**Solubility in Water:** Soluble in water  
**% Volatile:** n/a  
**Coefficient of water / oil Distribution:** n/a  
**Vapor Density:** n/a

<b>Section 4:</b>	<b>Fire &amp; Explosion Hazard</b>
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<b>Flammability:</b>	No
<b>If yes under what Conditions:</b>	n/a
<b>Means of Extinguishing:</b>	n/a
<b>Special Procedure:</b>	None, Product can be used to extinguish fire
<b>Flash Point:</b>	n/a
<b>Upper Explosion Limit:</b>	n/a
<b>Lower Explosion Limit:</b>	n/a
<b>Auto Ignition temperature:</b>	n/a
<b>Sensitivity to Mechanical Impact:</b>	n/a
<b>Sensitivity to Static Discharge:</b>	n/a

<b>Section 5:</b>	<b>Reactivity Data</b>
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<b>Chemical Stability:</b>	Yes
<b>If No Under What Conditions:</b>	n/a
<b>Incompatibility of other Substances:</b>	Yes
<b>If So, Which ones:</b>	Bromine trifluoride, sulfuric acid, sodium, methyl vinyl, zinc
<b>Reactivity under What Conditions:</b>	n/a
<b>Hazardous Decomposition Products:</b>	Chlorine Fumes are given off @ temperature >1600C

<b>Section 6:</b>	<b>Health Hazards</b>
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<b>Route of Entry:</b>	Inhalation & ingestion
<b>Effect of Acute exposure to material:</b>	Very low toxicity value may cause irritation to eyes or skin
<b>Effect of Chronic exposure to material:</b>	Unknown
<b>Exposure limit:</b>	Unknown
<b>Synergetic Material:</b>	None
<b>Irritancy of Material:</b>	Minor Irritant
<b>Sensitivity of Material:</b>	Does Not Occur
<b>Carcinogenic, Reproductive Effect:</b>	None

<b>Section 7:</b>	<b>First AID Measures</b>
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<b>Eye Contact:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately
<b>Skin Contact:</b>	Remove from skin by wiping and washing thoroughly with water
<b>Inhalation:</b>	Remove victim to fresh air
<b>Ingestion:</b>	If discomfort exists, induce vomiting. Seek medical attention immediately

<b>Section 8:</b>	<b>Preventative Measures</b>
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<b>Eye Contact:</b>	Wear Safety Goggles
<b>Skin Contact:</b>	Wear Rubber Gloves, Boots & Long Sleeve Shirt
<b>Inhalation:</b>	For dusty or misty conditions, wear NIOSH approved dust or mist respirator
<b>Engineering Controls:</b>	Mechanical ventilation recommended in enclosed areas
<b>Waste Disposal:</b>	Dispose of material in government approved landfill site in accordance with local laws
<b>Handling Procedures &amp; Equipment:</b>	Wash skin and equipment with water
<b>Storage requirement:</b>	Store in cool dry area
<b>Special Shipping information:</b>	No special shipping procedures necessary

<b>Section 9:</b>	<b>Preparation Information</b>
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<b>Prepared By:</b>	Innovative Group of Companies
<b>Telephone #:</b>	905-427-0318
<b>Preparation Date:</b>	January, 2009
<b>Superseded Date:</b>	March, 2006