



MATERIAL SAFETY DATA SHEET

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MSDS No. 9418606 9418704
Effective Date: December 1, 2005

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Magnesium Sulfate, Anhydrous	416-984-3000		<table border="1"> <tr><td>Health</td><td>1</td></tr> <tr><td>Flammability</td><td>0</td></tr> <tr><td>Reactivity</td><td>0</td></tr> </table>	Health	1	Flammability	0	Reactivity	0
Health	1									
Flammability	0									
Reactivity	0									
Chemical Synonyms	N/A									
Formula	MgSO ₄	HAZARD RATING Minimal 0 Slight 1 Moderate 2 Serious 3 Severe 4	WHMIS 3 4							
CAS No.	7487-88-9									

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Magnesium sulfate, anhydrous	100%	N/A
WARNING!		

SECTION III PHYSICAL DATA

Melting Point (°C)	Decomposes @ 2052°F	Specific Gravity (H ₂ O = 1)	2.65
Boiling Point (°C)	200°C	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible.	Evaporation Rate (n-Butyl acetate = 1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	71 g/100 ml water @ 20°C		
Appearance & Odor	Crystalline powder; no odor. Hygroscopic.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Firefighting Procedures	Use dry chemical, CO ₂ , alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.				

Flammability and Explosion Hazards	Fire or excessive heat may produce hazardous decomposition products to be produced as dust or fume.
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TDG	Not a TDG controlled material.
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SECTION V REACTIVITY DATA

MM0125

Chemical Stability	Yes	X	If no, under what conditions?
	No		
Incompatible with Other products	Yes	X	No specific information is available.
	No		
Hazardous Decomposition Products	Sulfur oxides.		
Reactive under what conditions	Protect from moisture.		

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Inhalation. Ingestion.
TLV	N/A
Toxicity for animals	N/A
Chronic effects on humans	Repeated or prolonged exposure to the substance can produce target organ damage. Target organs: None known.
Acute effects on humans	Irritating to eyes, skin and respiratory system.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep container dry. Keep in a cool place. Keep container tightly closed.
Precautions	Avoid contact with skin and eyes. Do not breathe dust. Do not ingest. If ingested, seek medical advice immediately.
Spill or leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Protective Clothing	Safety glasses, lab coat, dust respirator, gloves.

SECTION VIII FIRST AID MEASURES

Specific first aid measures	Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.
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SECTION IX PREPARATION OF THE MSDS

Rev. No.	2	Date	December 1, 2005	Approved	Michael Raszeja
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