



Material Safety Data Sheet

Section 1: Company and Product Identification



(866) 260-0501

Product Name Magnesium Sulfate, Anhydrous

Product No. 9418704

CAS 7487-88-9

Manufactured by:
Columbus Chemical Industries, Inc.
14035 Tenside Rd.
Columbus, WI 53025
TEL: (920) 623-2140

24 HOUR EMERGENCY ASSISTANCE CHEMTREC 800-424-9300		
HAZARD RATING		
4- EXTREME	HEALTH	1
3- SEVERE		
2- MODERATE	FLAMMABILITY	0
1- SLIGHT		
0- MINIMAL	REACTIVITY	0

Material Uses Pharmaceutical preparations.

Synonyms Not available.

Formula MgSO₄

Section 2: Hazardous Ingredients

Product Name	CAS	Conc (%)	PIN
No hazardous ingredients.			

For Exposure Limits (TLV, PEL), LD50 and LC50 see section 5 of this document.

* Chemical subject to the reporting of SARA Title III.

Section 3: Physical Data

Appearance	Solid.	Odor Threshold	Not available.
Color	White.	Vapor Pressure	Not available.
Odor	Odorless.	Evaporation Rate (Reference solvent)	Not available.
Specific Gravity (Water = 1)	2.65 (Water = 1)	Vapor Density (Air = 1)	Not available.
Melting Point	Not available.	Percent Volatile by Volume	Not available.
Boiling Point	Not available.	pH (1% water soln)	Not available.
Water/Oil Dist. Coeff.	Not available.	Solubility	Partially soluble in cold water.

Section 4: Fire and Explosion Hazard Data

Flash Point (Methods)	Not applicable.	Autoignition Temp.	Not applicable.
Flammable Limits in Air by Volume	Not applicable.		
Flammability	Not applicable.		

Explosion Hazard Not available.

Haz. Comb. Prod. Not applicable.

Means of Extinction Use extinguishing media suitable for surrounding materials.

Special Fire Fighting Procedures

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Unusual Fire and Explosion Hazards

Not available.

Section 5: Health Hazard Data

Exposure Limits (P.E.L., TLV, etc.)	Not available.
Acute Effects	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation (lung irritant).

Routes of Entry Eye contact. LD50/LC50 LD50: Not available. LC50: Not available.

Effects of Overexposure

Repeated or prolonged exposure is not known to aggravate medical condition.

Emergency and First Aid Procedures

FIRST AID SKIN: Wash contaminated skin with soap and water. EYES: Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention. INHALATION: Move exposed person to fresh air. If irritation persists, get medical attention. INGESTION: Do not induce vomiting. If affected person is conscious, give plenty of water to drink. Seek medical attention.

Section 6: Reactivity Data

Stability	The product is stable.	Instability Temp.	Not available.
Incompatibility	Not available.		
Degradation Prod.	These products are sulfur oxides (SO ₂ , SO ₃ ...). Some metallic oxides.	Hazardous polymerization?	Will not occur.
Materials to Avoid	Not available.		

Section 7: Spill or Leak Procedures

Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 8: Protection Equipment Information

Equipment	Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Vinyl gloves.
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Section 9: Other Information

Special Precautions	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 4).
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Read label on container before using. Do not wear contact lenses when working with chemicals.

Verified by S. Quandt Effective Date Printed 10/25/2002

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

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