



ALDON CORPORATION

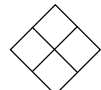
MATERIAL SAFETY DATA SHEET

221 Rochester Street
Avon, New York 14414-9409
(585) 226-6177

MSDS No.: MM0129 MM0130
Effective Date: January 12, 2007

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Magnesium Sulfate
Chemical Synonyms	Epsom Salts
Formula	MgSO ₄ •7H ₂ O
Unit Size	up to 2.5 Kg.
C.A.S. No.	10034-99-8



CHEMTREC
800-424-9300
Day 585-226-6177

NFPA

HAZARD RATING		HEALTH	
MINIMAL	SLIGHT	MODERATE	SEVERE
0	1	2	3

Health	1
Fire	0
Reactivity	0

HMIS*

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Magnesium Sulfate; Heptahydrate	100%	None established.
WARNING! MAY BE HARMFUL IF SWALLOWED OR INHALED.		

SECTION III PHYSICAL DATA

Melting Point (°F)	(-H ₂ O) 302°F	Specific Gravity (H ₂ O = 1)	1.678 at 20°C
Boiling Point (°F)	200°C (392°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (n-Butyl acetate =1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	71 grams per 100 mL. water at 20°C.		
Appearance & Odor	Colorless crystals or crystalline powder; no odor. Hygroscopic.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Use any media suitable for extinguishing supporting fire.				

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products.

SECTION V HEALTH HAZARD DATA

MM0130

Threshold Limited Value None established. (ACGIH 2001).

Effects of Overexposure
INGESTION: Catharsis, vomiting, gastrointestinal tract irritation. **EYES:** Only minor irritation likely; no corneal injury expected. **SKIN:** Only minor irritation likely. **INHALATION:** May cause respiratory irritation with sore throat and coughing. Target organs: None known.

Emergency and First Aid Procedures
INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Protect from moisture. Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid) None known.

Hazardous Decomposition Products Sulfur dioxide and sulfur trioxide at very high temperatures.

Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X

Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled
Sweep up and place in a suitable container or dissolve in water and flush to sewer with copious amounts of water. Wash spill area with soap and water.

Waste Disposal Method Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Uncontaminated material may be disposed of in a sanitary landfill or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None needed in normal laboratory handling. If dusty conditions prevail, wear a NIOSH/MSHA approved dust mask or respirator.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves Rubber. **Eye Protection** Chemical safety goggles.

Other Protective Equipment Eye wash station, lab coat, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing
Store in a cool, dry place. Wash thoroughly after handling.
Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Avoid breathing dust. Use with adequate ventilation. Remove and wash contaminated clothing.

Revision No. 11	Date 01/12/07	Approved James A. Bertsch	Chemical Safety Coordinator JAB
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D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20