



**ALDON CORPORATION**

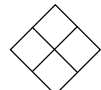
# MATERIAL SAFETY DATA SHEET

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

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



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

**NFPA**

HAZARD RATING  
MINIMAL SLIGHT MODERATE SERIOUS SEVERE  
0 1 2 3 4

Health	1
Fire	0
Reactivity	0

**HMIS\***

## SECTION II INGREDIENTS OF MIXTURES

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

## SECTION III PHYSICAL DATA

Melting Point (°F)	(-H <sub>2</sub> O) 302°F	Specific Gravity (H <sub>2</sub> 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

<b>Flash Point (Method Used)</b>	Non-flammable.	<b>Flammable Limits in Air % by Volume</b>	N/A	Lower	Upper
<b>Extinguisher Media</b>	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

<b>Stability</b>	Unstable		<b>Conditions to Avoid</b>	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.

<b>Ventilation</b>	Local Exhaust	Recommended.	<b>Special</b>	No.
	Mechanical (General)	Recommended.	<b>Other</b>	No.

<b>Protective Gloves</b>	Rubber.	<b>Eye Protection</b>	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.

**D.O.T.** NON-REGULATED.

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

Revision No. 11	Date 01/12/07	Approved James A. Bertsch	Chemical Safety Coordinator JAB
-----------------	---------------	---------------------------	---------------------------------

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards. Printed on recycled paper.