



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. MM 70  
Effective Date March 23, 1999

## SECTION V HEALTH HAZARD DATA

MM 70

### Threshold Limited Value

None established (ACGIH 1992-93).

### Effects of Overexposure

**INHALATION:** Dust may cause irritation to upper respiratory tract.  
**SKIN:** May cause irritation. **INGESTION:** May cause diarrhea, abdominal pain. **EYES:** May cause irritation.

### Emergency and First Aid Procedures

**INHALATION:** Remove to fresh air. If ill effects develop, get medical attention. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink. If ill effects develop, get medical attention. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Acid and acid fumes. Exposure to moisture may cause caking.
	Stable		

Incompatibility (Materials to Avoid)	Acid and acid fumes.
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Hazardous Decomposition Products	None.
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Avoid creating dust. Sweep up and place in a suitable container for disposal. Flush spill area with water.
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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.
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Uncontaminated material may be disposed of in a sanitary landfill.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved dust mask or respirator.
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Ventilation	Local Exhaust	Yes, if dusty.	Special	No.
	Mechanical (General)	Yes, if dusty.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Eye wash station, goggles, ventilation hood, proper gloves, lab coat.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from acids and acid fumes. Wash thoroughly after handling.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Do not breathe dust. Use with adequate ventilation.  
Remove and wash contaminated clothing.

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

Revision	No. 5	Date	3/23/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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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.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	MAGNESIUM HYDROXIDE
Chemical Synonyms	Magnesium Hydrate; Milk of Magnesia
Formula	Mg(OH) <sub>2</sub>
Unit Size	up to 2.5 Kg.
C.A.S. No.	1309-42-8

0

1

0

CHEMTREC  
800-424-9300  
Day 716-226-6177

NFPA  
HAZARD RATING  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

Health 1  
Fire 0  
Reactivity 0

HMIS \*  
3 4

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Magnesium Hydroxide	97-99%	None established.
CAUTION! IRRITANT. DO NOT BREATHE DUST.		

## SECTION III PHYSICAL DATA

Melting Point (°F)	350°C (662°F) decomposes.	Specific Gravity (H <sub>2</sub> O = 1)	2.36
Boiling Point (°F)	Not applicable.	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (n-Butyl Ac. =1)	Non-volatile (NA).
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	0.0009 grams per 100 mL. water at 18°C.		
Appearance & Odor	White powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	NA	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.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Will not burn.

D.O.T. NON-REGULATED.

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