



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. MM 40
Effective Date November 3, 1998

SECTION V HEALTH HAZARD DATA

MM 40

Threshold Limited Value

None established. (ACGIH 1992-93).

Effects of Overexposure

INGESTION: Low hazard. Intake of up to 8 grams produces laxative effect.
INHALATION: Low hazard for usual laboratory handling. Treat as nuisance dust. **EYES:** No specific hazard known to us. However, any material that contacts the eye may be irritating or may cause mechanical injury. **SKIN:** Low hazard for usual laboratory handling.

Emergency and First Aid Procedures

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

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	X Soluble in dilute acids with effervescence.

Incompatibility (Materials to Avoid)	Dilute acids.
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Hazardous Decomposition Products	Carbon dioxide (CO ₂).
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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	Sweep up and place in a suitable container for proper disposal.
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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, wear a NIOSH/MSHA-approved dust mask.			
Ventilation	Local Exhaust	Recommended.	Special	No.	
	Mechanical (General)	Recommended.	Other	No.	
Protective Gloves		Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment		Eye wash station, goggles, lab coat, ventilation hood, proper gloves.			

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.

Do not breathe dust. Avoid contact with eyes. Remove and wash contaminated clothing.

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

Revision	No. 4	Date	11/3/98	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 CARBONATE, BASIC
Chemical Synonyms	Magnesium Carbonate, Basic
Formula	4MgCO ₃ •Mg(OH) ₂ •5H ₂ O
Unit Size	up to 2.5 Kg.
C.A.S. No.	39409-82-0

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	1

HMIS *
HIGH EXTREME
3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Magnesium Carbonate, Basic (Light, Heavy, Precipitated)	100%	None established.
CAUTION! MAY CAUSE EYE AND RESPIRATORY IRRITATION.		

SECTION III PHYSICAL DATA

Melting Point (°F)	None listed.	Specific Gravity (H ₂ O = 1)	1.69-1.73
Boiling Point (°F)	None listed.	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)	Data not listed.		
Solubility in Water	1 gram dissolves in about 3330 mL. in carbon-dioxide free water.		
Appearance & Odor	White, bulky powder or light friable masses; 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

Decomposes with the release of carbon dioxide (CO₂) at elevated temperatures. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with acids yielding carbon dioxide.

D.O.T. NON-REGULATED.

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