



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. MM 23  
Effective Date November 10, 1998

## SECTION V HEALTH HAZARD DATA

MM 23

### Threshold Limited Value

None established (ACGIH - 1992-93).

### Effects of Overexposure

Large doses cause Central Nervous System depression, gastric irritation and vomiting. Prolonged intake may cause mental deterioration, acneform skin eruptions. May be irritating to mucous membranes, skin and eyes.

### Emergency and First Aid Procedures

**INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting. Repeat until vomit fluid is clear. Call physician immediately. Never give anything by mouth to an unconscious person.  
**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. 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	Excessive temperature or heat, moisture.
	Stable	X		

Incompatibility (Materials to Avoid)	Strong oxidizing conditions.
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Hazardous Decomposition Products	Thermal decomposition may release toxic and corrosive hydrogen bromide.
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Hazardous Polymerization	Conditions to Avoid		Not applicable.
	May Occur	Will Not Occur	
		X	

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Contain with suitable drying agent if material gets wet. 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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For small quantities cautiously add to a large stirred excess of water. Flush the aqueous solution down the drain with plenty of water.

## SECTION VIII SPECIAL PROTECTION INFORMATION

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

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, smock, apron, proper gloves, ventilation hood, eye wash station.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry area. Avoid breathing dust. 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. Avoid contact with skin and eyes. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 5	Date 11/10/98	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 BROMIDE	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177	Health	1
Chemical Synonyms	Magnesium Bromide Hexahydrate		Fire	0
Formula	MgBr <sub>2</sub> •6H <sub>2</sub> O		Reactivity	1
Unit Size	up to 2.5 Kg.		<b>HMIS *</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4	
C.A.S. No.	13446-53-2 (Hexahydrate)			

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Magnesium Bromide Hexahydrate	100%	None established.

**WARNING! MODERATELY TOXIC BY INGESTION.**

**IRRITANT. VERY DELIQUESCENT.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	165°C (329°F) (dec)	Specific Gravity (H <sub>2</sub> O = 1)	2.000 at 20°C
Boiling Point (°F)	1158°C (2116°F)	Percent Volatile by Volume (%)	Non-volatile.
Vapor Pressure (mm Hg)	Solid (NA).	Evaporation Rate ( =1)	Not applicable.
Vapor Density (Air=1)	Solid (NA).		
Solubility in Water	Soluble in 0.3 part water.		
Appearance & Odor	Colorless deliquescent crystals or white granules. Odorless.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media	Dry chemical, carbon dioxide, Halon, water spray or standard foam.
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### SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Thermal decomposition or burning may produce highly toxic and corrosive hydrogen bromide. Avoid contact with strong oxidizing materials.

D.O.T. NON-REGULATED.

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