



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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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	Stable	Conditions to Avoid
		X	Excessive temperature or heat, moisture.

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
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	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. For small quantities cautiously add to a large stirred excess of water. Flush the aqueous solution down the drain with plenty of water.
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## 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.
Ventilation	Local Exhaust Recommended. Special No. Mechanical (General) Recommended. Other No.
Protective Gloves	Rubber.
Eye Protection	Chemical safety glasses.
Other Protective Equipment	Goggles, smock, apron, proper gloves, ventilation hood, eye wash station.

## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry area. Avoid breathing dust. 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. 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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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	MAGNESIUM BROMIDE
Chemical Synonyms	Magnesium Bromide Hexahydrate
Formula	MgBr <sub>2</sub> •6H <sub>2</sub> O
Unit Size	up to 2.5 Kg.
C.A.S. No.	13446-53-2 (Hexahydrate)

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

**HEALTH** 1  
**FIRE** 0  
**REACTIVITY** 1  
**HMIS \***

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Magnesium Bromide Hexahydrate	100%	None established.
<b>WARNING! MODERATELY TOXIC BY INGESTION.</b>		
<b>IRRITANT. VERY DELIQUESCENT.</b>		

## 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 ( )	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 -----
Extinguisher Media	Dry chemical, carbon dioxide, Halon, water spray or standard foam.				

### 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