



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. AA 220  
Effective Date November 18, 1998

## SECTION V HEALTH HAZARD DATA

AA 220

### Threshold Limited Value

None established by ACGIH 1992-93.

### Effects of Overexposure

May cause irritation to eyes, skin and mucous membranes. **INGESTION:** Poisoning by acute exposure is rare because bromides irritate the gastric mucosa when ingested in large amounts as a single dose and cause immediate abdominal pain, nausea and vomiting. However, in the event of kidney damage, systematic poisoning may occur by a single dose and possibly cause paralysis and coma.

### Emergency and First Aid Procedures

**EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	May become yellow when exposed to heat or light.
	Stable	X		

Incompatibility (Materials to Avoid)	Reacts violently with acids, alkalies, lead salts, mercury, silver and iodine heptafluoride. Reacts explosively with bromide trifluoride and potassium.
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Hazardous Decomposition Products	Thermal decomposition may release corrosive fumes of ammonia, hydrogen bromide and toxic oxides of nitrogen.
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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	Recover for use if not contaminated. Sweep up spill and place in a suitable container for proper disposal. Flush spill area with plenty of soap and 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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Dispose of in accordance with federal, state and local regulations.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.
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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, ventilation hood, proper gloves, eye wash station.
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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 alkalies. Wash thoroughly after handling.
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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.
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Avoid breathing 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. 2	Date 11/18/98	Approved Michael Raszeja	Chemical Safety Coordinator MR
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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	AMMONIUM BROMIDE
Chemical Synonyms	Hydrobromic acid monoammoniate
Formula	NH <sub>4</sub> Br
Unit Size	up to 2.5 Kg.
C.A.S. No.	12124-97-9

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

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

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

## SECTION II INGREDIENTS OF MIXTURES

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

**WARNING! MAY BE HARMFUL IF SWALLOWED.**

**IRRITANT TO EYES, SKIN AND MUCOUS MEMBRANES.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	452°C (846°F) Sublimes.	Specific Gravity (H <sub>2</sub> O = 1)	2.4
Boiling Point (°F)	Data not listed.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	1 mmHg @ 198°C (388°F)	Evaporation Rate (≈1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Soluble.		
Appearance & Odor	White, slightly hygroscopic crystals or granules; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Use any media for extinguishing the supporting fire.				

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Use flooding amounts of water in early stages of fire. Water spray will effectively reduce fume and irritant gases.

D.O.T. NON-REGULATED.

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