



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. AA 286  
Effective Date February 3, 1999

## SECTION V HEALTH HAZARD DATA

AA 286

**Threshold Limited Value** None established for this mixture.  
TWA 5 mg (Mo)/m<sup>3</sup> (ACGIH, 1992-93).

**Effects of Overexposure** May be harmful by ingestion. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

**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:** If swallowed, if conscious, give one or two glasses of water to drink and call a physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature and heat to cause evaporation.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Strong oxidizers.

**Hazardous Decomposition Products** Thermal decomposition or heating may produce carbon monoxide and/or carbon dioxide, ammonia and oxides of nitrogen.

<b>Hazardous Polymerization</b>		<b>Conditions to Avoid</b>	Not applicable.
<b>May Occur</b>	<b>Will Not Occur</b>		
	X		

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** Absorb with inert dry material. Sweep up and place in a suitable container for proper disposal. Wash spill area with soap and water.

**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.

Dispose 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 misty conditions prevail, work in a ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	<b>No.</b>
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	<b>No.</b>

**Protective Gloves** Rubber if sensitive to irritation. **Eye Protection** Chemical safety glasses.

**Other Protective Equipment** Safety glasses, lab coat, apron, and eye wash station.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry place. 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.

Do not get in eyes, on skin or on clothing. Remove and wash contaminated clothing.

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

<b>Revision</b> No. 6	<b>Date</b> 2/3/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	AMMONIUM MOLYBDATE 0.1 M	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177  <b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4  <b>HMIS *</b> HEALTH FIRE REACTIVITY 2 0 1
<b>Chemical Synonyms</b>	N/A	
<b>Formula</b>	Mixture	
<b>Unit Size</b>	up to 4 Lt.	
<b>C.A.S. No.</b>	Mixture	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Ammonium Molybdate: CAS No. 12054-85-2	12.4%	See Section V.
Water: CAS No. 7732-18-5	87.6%	None established.

**CAUTION! MAY CAUSE IRRITATION TO SKIN AND EYES.**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	Approx. 0°C (32°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	N/A
<b>Boiling Point (°F)</b>	Approx. 100°C (212°F)	<b>Percent Volatile by Volume (%)</b>	87.6%
<b>Vapor Pressure (mm Hg)</b>	14 (water)	<b>Evaporation Rate ( =1)</b>	< 1
<b>Vapor Density (Air=1)</b>	0.7 (water)		
<b>Solubility in Water</b>	Complete.		
<b>Appearance &amp; Odor</b>	White to green liquid; slight odor of ammonia.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-combustible.	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
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**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 and full protective clothing.

## UNUSUAL FIRE AND EXPLOSION HAZARDS

In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be produced as dust or fume.

D.O.T. **NON-REGULATED.**

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