



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. SS 670
Effective Date June 3, 1998

SECTION V HEALTH HAZARD DATA

SS 670

Threshold Limited Value

OSHA PEL: TWA 5mg(Mo)/M³.
ACGIH TLV: TWA 5mg(Mo)/M³ (Soluble Molybdenum Compounds).

Effects of Overexposure

Inhalation may cause respiratory tract irritation and chest discomfort.
Prolonged contact with skin may cause irritation. May cause eye irritation.
Ingestion may cause irritation.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
SKIN: Flush with soap and water. If irritation develops or persists, get medical attention. **EYES:** Flush with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists get medical attention. **INGESTION:** If conscious, give water to drink. Get medical attention. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	X Excessive temperature and heat.

Incompatibility (Materials to Avoid)	None known.
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Hazardous Decomposition Products	Thermal decomposition may include toxic sodium oxide.
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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	Ventilate area. Sweep up and place in a suitable container for proper disposal. Wash spill area with 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. Dispose of in accordance with federal, state and local regulations.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)		None should be required in normal laboratory use. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dusk mask or respirator.			
Ventilation	Local Exhaust	Recommended.		Special	No.
	Mechanical (General)	Recommended.		Other	No.
Protective Gloves		Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Lab coat, apron, eye wash station, proper gloves, ventilation hood.				

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool dry area. Wash thoroughly after handling. Keep container tightly closed when not in use.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. Use with adequate ventilation. Avoid prolonged contact with skin. 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. 1	Date	6/3/98	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	SODIUM MOLYBDATE
Chemical Synonyms	Sodium Molybdate Dihydrate
Formula	Na ₂ MoO ₄ •2H ₂ O
Unit Size	up to 2.5 Kg.
C.A.S. No.	10102-40-6

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	0

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Molybdate, anhy: CAS No. 7631-95-0	85%	TWA: 5MG (Mo)/M ³
Water: CAS No. 7732-18-5	15%	None established.
CAUTION! MAY BE HARMFUL IF INHALED.		
MAY CAUSE IRRITATION.		

SECTION III PHYSICAL DATA

Melting Point (°F)	Loses 2H ₂ O @ 100°C	Specific Gravity (H ₂ O = 1)	3.28
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (≈1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	65 g/100 ml @ 20°C		
Appearance & Odor	White crystalline powder; Slight caustic odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

SPECIAL FIREFIGHTING PROCEDURES

Wear a NIOSH/MSHA approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

None known.

D.O.T. NON-REGULATED.

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