



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. MM 460  
Effective Date March 31, 1999

## SECTION V HEALTH HAZARD DATA

MM 460

### Threshold Limited Value

None established for this mixture (ACGIH 1992-93). TXDS: Sodium Thiocyanate: Oral-rat LD50; 764 mg/kg; oral-rbt. LDLo: 750 mg/kg.

### Effects of Overexposure

The effects for sodium thiocyanate on prolonged absorption may produce various skin eruptions, dizziness, cramps, nausea and mild to severe disturbance of the nervous system. According to Merck Index, Eighth Ed. Methylene blue stain is considered practically non-toxic. Specific data is not available in regards to inhalation, eyes and skin contact for this product. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**CONTACT WITH SKIN OR EYES:** Immediately flush eyes or skin with copious amounts of water for at least 15 minutes. For eyes, get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call physician. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms develop or persist.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	Conditions to Avoid	Protect from light, excessive temperature and heat.
		X		

Incompatibility (Materials to Avoid)	Caustic alkali, dichromates, reducing agents, strong mineral acids and oxidizing agents.
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Hazardous Decomposition Products	When heated to decomposition, emits toxic fumes of oxides of nitrogen (NO <sub>x</sub> ) and sulfur (SO <sub>x</sub> ).
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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	Wearing suitable protective clothing, avoid making dust, sweep material onto paper. Place in a suitable container for disposal by incineration. Wash spill area well 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 an approved incinerator equipped with an afterburner and scrubber.

## 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 dust mask.
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Ventilation	Local Exhaust	Not needed.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

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

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from oxidizing materials and protect from light. 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.

Do not get in eyes, on skin, on clothing. Avoid breathing dust. There is insufficient data in the published literature to assign complete laboratory protective equipment for this product. Special precautions must be used in storage, use and handling.

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

Revision	No. 4	Date	3/31/99	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	METHYLENE BLUE THIOCYANATE, TABLETS
Chemical Synonyms	Basic Blue 9; Biological Stain, Tablets
Formula	Mixture: C <sub>16</sub> H <sub>18</sub> ClN <sub>3</sub> and NaSCN
Unit Size	up to 100 tablets
C.A.S. No.	Mixture.

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 \*  
3 4

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Methylene Blue Thiocyanate Biological Stain, Tablets (Mixture of Methylene Blue and Sodium Thiocyanate).		None established.
Methylene Blue: (CAS No. 61-73-4)		
Sodium Thiocyanate: (CAS No. 540-72-7)		

CAUTION! HARMFUL IF SWALLOWED. DO NOT TAKE INTERNALLY.

## SECTION III PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H <sub>2</sub> O = 1)	Unknown
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	Complete at 20°C.		
Appearance & Odor	Blue/violet tablets; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	N/A	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Water spray; carbon dioxide (CO <sub>2</sub> ); dry chemical.				

### 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

Fire or excessive heat may produce hazardous decomposition products of highly toxic fumes of hydrogen cyanide, hydrogen sulfide and oxides of nitrogen (NO<sub>x</sub>).

D.O.T. NON-REGULATED.

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