



ALDON CORPORATION
A L D O N

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MSDS No.: MM0460
Effective Date: June 27, 2005

MATERIAL SAFETY DATA SHEET

SECTION I		NAME	24 HOUR EMERGENCY ASSISTANCE
Product	Methylene Blue Thiocyanate, Tablets		
Chemical Synonyms	Basic Blue 9; Biological Stain, Tablets		
Formula	Mixture: C ₁₆ H ₁₈ ClN ₃ and NaSCN		
Unit Size	up to 100 tablets		
C.A.S. No.	Mixture.		



CHEMTREC
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NFPA
HAZARD RATING
MINIMAL SLIGHT MODERATE SERIOUS SEVERE
0 1 2 3 4

Health	1
Fire	0
Reactivity	0

HMIS *

SECTION II			INGREDIENTS OF MIXTURES
Principal Component(s)	%	TLV Units	
Methylene blue thiocyanate biological stain, tablets		None established.	
(Mixture of Methylene blue: (CAS No. 61-73-4) and 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 ₂ 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 ₂); 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.
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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 _x).
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D.O.T. **NON-REGULATED.**

SECTION V		HEALTH HAZARD DATA		MM0460
Threshold Limited Value		None established for this mixture (ACGIH 2001). 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. Target organs: Liver, kidneys, thyroid.		
Emergency and First Aid Procedures		INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. EYES: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. SKIN: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, 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		Conditions to Avoid	Protect from light, excessive temperature and heat.
	Stable	X		
Incompatibility (Materials to Avoid)		Caustic alkali, dichromates, reducing agents, strong mineral acids and oxidizing agents.		
Hazardous Decomposition Products		When heated to decomposition, emits toxic fumes of oxides of nitrogen (NO _x) and sulfur (SO _x).		
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		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.		
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.		
Ventilation	Local Exhaust	Not needed.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves		Rubber.	Eye Protection	Chemical safety glasses.
Other Protective Equipment		Goggles, lab coat, apron, eye wash station, ventilation hood.		
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.		
Keep container tightly closed when not in use.				