



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. MM 445
Effective Date November 10, 1998

SECTION V HEALTH HAZARD DATA

MM 445

Threshold Limited Value None established by (ACGIH 1992-93). TXDS: Methylene Blue Chloride Oral-rat LD50: 1180 mg/kg. Oral-rabbit LDLo 1000 mg/kg.

Effects of Overexposure May be harmful by ingestion or skin absorption. 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

INGESTION: If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting. Repeat until vomit fluid is clear. Call physician immediately. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention. **INHALATION:** If inhaled as dust or mist, remove to fresh air, treat symptomatically and 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) Strong oxidizing materials and reducing agents.

Hazardous Decomposition Products When heated to decomposition, emits toxic fumes of oxides of nitrogen (NO_x), sulfur (SO_x) and hydrogen chloride.

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 Absorb spill in vermiculite, sand, earth, paper towel 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 of in an approved incinerator equipped with an afterburner and scrubber or contract with a licensed waste disposal agency.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.

Ventilation	Local Exhaust	Not needed.	Special	No.
	Mechanical (General)	Not needed.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment Lab coat, proper gloves, eye wash station, safety glasses.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place. Protect from light. 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.

Remove and wash contaminated clothing.

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

Revision No. 3	Date 11/10/98	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	DEEP BLUE	 <p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>HMIS *</p> <table border="1"> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Fire</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	1	Fire	0	Reactivity	0
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	1																	
Fire	0																	
Reactivity	0																	
Chemical Synonyms	Methylene Blue Chloride, Aqueous Solution																	
Formula	Mixture*																	
Unit Size	up to 4 Lt.																	
C.A.S. No.	Mixture*																	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Methylene Blue Chloride *	0.05%	None established.

WARNING! MAY BE HARMFUL IF SWALLOWED OR

ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	Approx. 0°C (32°F)	Specific Gravity (H₂O = 1)	Approx. 1.0 at 20°C
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	98.9%
Vapor Pressure (mm Hg)	14 mm (water)	Evaporation Rate (water = 1)	Greater than 1.
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Dark blue colored liquid; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
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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 protective clothing to prevent contact with skin and eyes.

* Methylene Blue: (CAS No. 61-73-4)
Sodium Benzoate, as preservative: (CAS No. 532-32-1)
Octoxynol: (CAS No. 9002-93-1)
Water: (CAS No. 7732-18-5)

UNUSUAL FIRE AND EXPLOSION HAZARDS Fire or excessive heat may produce hazardous decomposition products of oxides of nitrogen (NO_x) and sulfur (SO_x); and hydrogen chloride.

D.O.T. NON-REGULATED.

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