




**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. MM 485  
Effective Date August 25, 1998

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Methyl Purple	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 0 1 2 3 4	Health	1
Chemical Synonyms	Methyl Purple		Fire	0
Formula	Mixture		Reactivity	0
Unit Size	up to 4 Lt.			
C.A.S. No.	Mixture			

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Bromocresol Green: (CAS No. 62625-32-5)	0.04%	None established.
Methyl Red: (CAS No. 845-10-3)	0.02%	None established.
Water: (CAS No. 7732-18-5)	99.94%	None established.

**CAUTION! MAY BE HARMFUL IF SWALLOWED OR**

**ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F).	Specific Gravity (H <sub>2</sub> O = 1)	1.0
Boiling Point (°F)	Approx. 100°C (212°F).	Percent Volatile by Volume (%)	99.94%
Vapor Pressure (mm Hg)	14 (water).	Evaporation Rate (Water = 1)	Greater than 1.
Vapor Density (Air=1)	0.7 (water).		
Solubility in Water	Complete.		
Appearance & Odor	Purple liquid; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-combustible.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

There are no unusual fire and explosion hazard associated with this solution. This solution due to its chemical composition and/or its concentration does not present any firefighting hazard. In fire conditions resulting in the evaporation of the water of solution, hazardous decomposition products may be produced as dust or fume. Fire or excessive heat may produce hazardous decomposition products.

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

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

## SECTION V HEALTH HAZARD DATA

MM 485

### Threshold Limited Value

None established for this mixture. (ACGIH 1992-93).

### Effects of Overexposure

**EYES:** No specific hazard known. Contact may cause transient irritation.  
**SKIN:** Low Hazard for usual laboratory handling. 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

**SKIN:** Flush thoroughly with water, then wash with mild soap and water.  
**EYES:** Flush eyes thoroughly with water, lifting lower and upper eyelids occasionally. If irritation develops, get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink and call physician. Never give anything by mouth to an unconscious person.  
**INHALATION AS MIST:** Remove to fresh air.

## SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Strong oxidizing agents.
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Hazardous Decomposition Products	Combustion will produce carbon dioxide and probably carbon monoxide.
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Absorb in vermiculite. Scoop up and place in a suitable container for proper disposal. Wash spill area with 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.
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Dispose of in accordance with federal, state and local regulations.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If misty conditions prevail, wear a NIOSH/MSHA approved respirator.		
Ventilation	Local Exhaust	Not required.	Special
	Mechanical (General)	Not required.	Other
Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.

Other Protective Equipment	Goggles, smock, apron, proper gloves and eye wash station.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place. 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. There is insufficient data in the published literature to recommend complete laboratory protective equipment for this product. Special precautions must be used in storage, use and handling. 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 8/25/98	Approved Michael Raszeja	Chemical Safety Coordinator MR
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