



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. MM 551
Effective Date May 6, 1998

SECTION V HEALTH HAZARD DATA MM 551

Threshold Limited Value Ethyl alcohol: TWA: 1,000 ppm; 1,880 mg/m³. TLV (skin) Methanol: 200 ppm, 262 mg/m³; Ethyl acetate: 400 ppm, 1440 mg/m³ (ACGIH 1992-93)

Effects of Overexposure
INGESTION: Causes dizziness, drowsiness, decreased reaction, euphoria, nausea, vomiting, staggering gait, and coma. **SKIN ABSORPTION:** No evidence of adverse effects from available information. **INHALATION:** May cause dizziness, drowsiness, nausea and vomiting. **SKIN CONTACT:** Dehydration of skin. **EYE CONTACT:** May cause blindness.

Emergency and First Aid Procedures
INGESTION: Do NOT give anything by mouth to an unconscious or very drowsy person. If conscious, have victim drink several glasses of water. Call physician or Poison Control Center immediately. Induce vomiting if advised by physician or Poison Control Center. **SKIN:** Wash with soap and water. **INHALATION:** Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if breathing is difficult. Obtain medical attention. **EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Heat, fire, ignition source.
	Stable	X		

Incompatibility (Materials to Avoid) Concentrated nitric or sulfuric acid; strong oxidizing agents.

Hazardous Decomposition Products Thermal decomposition or burning can produce carbon monoxide and/or carbon dioxide.

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 Remove all sources of ignition, provide adequate ventilation. Absorb with an inert dry material, sweep up and place in an appropriate container for 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 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, work in ventilation hood or wear a NIOSH/MSHA approved respirator. Do not use in confined area.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety goggles.
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Other Protective Equipment Proper gloves, smock, apron, eye wash station, fire extinguisher and a ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry, well ventilated area, away from fire hazards. 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.

Use with adequate ventilation. Do not take internally. Remove and wash contaminated clothing.

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

Revision No. 2	Date 5/6/98	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	METHYL VIOLET, 1% ALCOHOL SOLUTION
Chemical Synonyms	Methyl Violet, 1% Alcohol Solution
Formula	Mixture.
Unit Size	up to 4 Lt.
C.A.S. No.	Mixture.

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	Health		3					
Fire	4							
Reactivity	2							
800-424-9300	Day 716-226-6177							
NFPA HAZARD RATING		HMIS *						
LEAST 0	SLIGHT 1	MODERATE 2	HIGH 3	EXTREME 4				

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Methyl Violet: (CAS No. 8004-87-3)	1%	See Section V.
Ethyl Alcohol (Denatured) *: (CAS No. 64-17-5)	99%	See Section V.

DANGER! FLAMMABLE! MAY BE HARMFUL IF SWALLOWED. AVOID PROLONGED OR

REPEATED BREATHING OF VAPOR. OVER EXPOSURE TO VAPOR MAY BE HARMFUL.

SECTION III PHYSICAL DATA

Melting Point (°F)	-113°C (-173°F)*	Specific Gravity (H₂O = 1) Approx.	0.81
Boiling Point (°F)	75-80°C (163-174°F)*	Percent Volatile by Volume (%)	99%
Vapor Pressure (mm Hg)	Ca 44 @ 68°F*	Evaporation Rate (n-Butyl Ac. =1)	4.1
Vapor Density (Air=1)	Ca 1.59*		
Solubility in Water	Complete.		
Appearance & Odor	Dark violet liquid, mild; non-residual odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	10°C (50°F) TCC*	Flammable Limits in Air % by Volume	Lower 3.3 (ETOH)	Upper 19.0 (ETOH)
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Extinguisher Media Carbon dioxide, dry chemical, foam, water spray, or fog.

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent skin and eye contact.

* Methanol: CAS No. 67-56-1
Ethyl Acetate: CAS No. 141-78-6
Rubber hydrocarbon solvent: CAS No. 64742-89-8
Methyl isobutyl Ketone: CAS No. 108-10-1
Water: CAS No. 7732-18-5

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 127)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapors formed from this product may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge, or other ignition sources at location distant from handling point. **CAUTION:** Flame may not be visible in daylight. Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T. DENATURED ALCOHOL, (SOLUTION), 3, NA 1987, PG II

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