



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. PP 159
Effective Date April 9, 1999

SECTION V HEALTH HAZARD DATA

PP 159

Threshold Limited Value

Ethyl Alcohol TWA: 1000 ppm; 1800 mg/m³ (AIR). Methanol TWA: SKIN 200 ppm; 262 mg/m³; Ethyl Acetate TWA: 400 ppm; 1440 mg/m³ (AIR).

Effects of Overexposure

TARGET ORGANS AFFECTED: Eyes, central nervous system, liver, kidneys.
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:** Flush with water, then wash with mild 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:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Concentrated nitric or sulfuric acid; strong oxidizing agents.
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Hazardous Decomposition Products	Thermal decomposition or burning can produce carbon monoxide and/or carbon dioxide.
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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	Remove all sources of ignition, provide adequate ventilation. For small spills, dilute with water and flush to sewer with copious amounts of water or absorb with an inert dry material. Burn in an approved incinerator or open pit away from buildings and people.
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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 or contract with a licensed waste disposal agency.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	For normal laboratory use at room temperatures none should be needed with adequate room ventilation. If required work in fume hood. Do not use in confined area.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Smock, apron, eye wash station, goggles, fire extinguisher, proper gloves.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry, well-ventilated area, away from any fire hazard. Use with adequate ventilation. Do not take internally.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Wash thoroughly after handling.
Remove and wash contaminated clothing.

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

Revision	No. 5	Date	4/9/99	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	PHENOLPHTHALEIN 2% ALCOHOL SOLUTION
Chemical Synonyms	Phenolphthalein pH Indicator Solution
Formula	Mixture.
Unit Size	up to 3.785 Lt.
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

HMIS *
3 4 2

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Phenolphthalein: (CAS No. 77-09-8)	2.1%	None established.
Water: (CAS No. 7732-18-5)	28.7%	None established.
Ethyl Alcohol, Denatured * : (CAS No. 64-17-5)	69.2%	1000 ppm (Air).

WARNING! FLAMMABLE! HARMFUL IF SWALLOWED.

SECTION III PHYSICAL DATA

Melting Point (°F)	-113°C (-173°F)	Specific Gravity (H ₂ O = 1)	Approx. 0.80 20°/20°
Boiling Point (°F)	75-80°C (163-174°F)	Percent Volatile by Volume (%)	98%
Vapor Pressure (mm Hg)	Ca 44.6 @ 68°F *	Evaporation Rate (Butyl Alc. =1)	4.1 Ethyl Alcohol
Vapor Density (Air=1)	Ca 1.59 *		
Solubility in Water	Complete.		
Appearance & Odor	Clear, water white, mobile liquid; mild characteristic odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	21.6°C (70°F) TCC	Flammable Limits in Air % by Volume	Ethyl Alc.	Lower	3.3	Upper	9.0
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Extinguisher Media	Water spray; carbon dioxide (CO ₂); dry chemical; alcohol-type, or universal-type foams.
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SPECIAL FIREFIGHTING PROCEDURES

* Denaturants:

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)

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing. Use flooding amounts of water in early stages of fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Flame may not be visible in daylight. Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

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

D.O.T.	DENATURED ALCOHOL, (SOLUTION), 3, NA 1987, PG II
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Approved by U.S. Department of Labor "essentially similar" to form OSHA-20