



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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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/m<sup>3</sup> (AIR). Methanol TWA: SKIN 200 ppm; 262 mg/m<sup>3</sup>; Ethyl Acetate TWA: 400 ppm; 1440 mg/m<sup>3</sup> (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

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Heat, fire, ignition source.
	<b>Stable</b>	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.

<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>		Not applicable.
	<b>May Occur</b>	<b>Will Not Occur</b>	
		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.

**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.

<b>Ventilation</b>	<b>Local Exhaust</b>	Recommended.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	Recommended.	<b>Other</b>	No.

<b>Protective Gloves</b>	Rubber.	<b>Eye Protection</b>	Chemical safety glasses.
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**Other Protective Equipment** Smock, apron, eye wash station, goggles, fire extinguisher, proper gloves.

## 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. 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.

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.

<b>Revision</b> No. 5	<b>Date</b> 4/9/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> 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

<b>Product</b>	PHENOLPHTHALEIN 2% ALCOHOL SOLUTION	<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>3</td> </tr> <tr> <td>Fire</td> <td>4</td> </tr> <tr> <td>Reactivity</td> <td>2</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	3	Fire	4	Reactivity	2
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	3																	
Fire	4																	
Reactivity	2																	
<b>Chemical Synonyms</b>	Phenolphthalein pH Indicator Solution																	
<b>Formula</b>	Mixture.																	
<b>Unit Size</b>	up to 3.785 Lt.																	
<b>C.A.S. No.</b>	Mixture.																	

## 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

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

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	21.6°C (70°F) TCC	<b>Flammable Limits in Air % by Volume</b>	Lower	Upper
		Ethyl Alc.	3.3	9.0

**Extinguisher Media** Water spray; carbon dioxide (CO<sub>2</sub>); dry chemical; alcohol-type, or universal-type foams.

### 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

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