



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. PP 118  
Effective Date April 8, 1999

## SECTION V HEALTH HAZARD DATA

PP 118

**Threshold Limited Value** None established (ACGIH 1992-93).

**Effects of Overexposure** Contact with eyes causes mild irritation and discomfort. Inhalation of dust may cause irritation to upper respiratory tract. Product is absorbed through skin and may cause nausea, headache and general discomfort.

**Emergency and First Aid Procedures**  
**INGESTION:** If swallowed, if conscious, rinse mouth with water and call physician. Never give anything by mouth to an unconscious person.  
**INHALATION:** Remove to fresh air. If discomfort develops, get medical attention. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, get medical attention. **SKIN:** Flush with water, then wash with mild soap and water.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Heat, flame, other sources of ignition.
	<b>Stable</b>	X		
<b>Incompatibility (Materials to Avoid)</b>		Strong oxidizing agents, reactive metals (sodium, calcium, zinc), sodium or calcium hypochlorite, peroxides.		
<b>Hazardous Decomposition Products</b>		Combustion will produce carbon dioxide and/or carbon monoxide.		

<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** Reclaim if possible. Carefully sweep up without producing dust and place in a suitable container for disposal. Flush spill area with water. Surfaces subject to spills or dusting can become very slippery when wet. Use caution.

**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 service..

## SECTION VIII SPECIAL PROTECTION INFORMATION

<b>Respiration Protection (Specify Type)</b>	None should be needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.			
<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, if gross contact likely.	<b>Eye Protection</b>	Chemical safety glasses.	
<b>Other Protective Equipment</b>	Lab coat, apron, goggles, proper gloves, eye wash station, fire extinguisher, ventilation hood.			

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Avoid dusting conditions. Keep container tightly closed. Suitable for any general chemical storage area. 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.  
 Exercise appropriate procedures to minimize potential hazards. Do not get in eyes, on skin or clothing. Remove and wash contaminated clothing. Avoid breathing vapor. Use with adequate ventilation.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.			
<b>Revision No.</b> 6	<b>Date</b> 4/8/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR

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>	POLYVINYL ALCOHOL	<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 * Health 1 Fire 1 Reactivity 0</p>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4
LEAST	SLIGHT		MODERATE	HIGH	EXTREME							
0	1		2	3	4							
<b>Chemical Synonyms</b>	PVA, PVOH											
<b>Formula</b>	Mixture											
<b>Unit Size</b>	up to 2.5 Kg.											
<b>C.A.S. No.</b>	Mixture.											

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Polyvinyl alcohol: (CAS No. 9002-89-5)	95 %	None established.
Sodium acetate, anhydrous: (CAS No. 127-09-3)	< 3 %	None established.
Methyl alcohol: (CAS No. 67-56-1)	< 3 %	TLV=200 ppm, TWA
Water: (CAS No. 7732-18-5)	< 2 %	None established.

**CAUTION! NUISANCE DUST. CAUSES EYE IRRITATION.**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	Softens on heating.	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.26 at 20°C
<b>Boiling Point (°F)</b>	Decomposes @ 200°C (392°F)	<b>Percent Volatile by Volume (%)</b>	Non-volatile.
<b>Vapor Pressure (mm Hg)</b>	Solid - not applicable.	<b>Evaporation Rate ( =1)</b>	Solid - not applicable.
<b>Vapor Density (Air=1)</b>	No data.		
<b>Solubility in Water</b>	Appreciable (more than 10%).		
<b>Appearance &amp; Odor</b>	White powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-combustible.	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
<b>Extinguisher Media</b>	Use water spray; alcohol foam; dry chemical or carbon dioxide.				

## SPECIAL FIREFIGHTING PROCEDURES

Firefighters should wear proper protective equipment and a NIOSH/MSHA approved self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

## UNUSUAL FIRE AND EXPLOSION HAZARDS

Polyvinyl alcohol powder forms an explosive mixture in air. The powder can explode if mixed in air and ignited in confined space.

D.O.T. NON-REGULATED.

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