



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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(716) 226-6177

MSDS No. PP 117
Effective Date April 8, 1999

SECTION V HEALTH HAZARD DATA

PP 117

Threshold Limited Value

None established by (ACGIH - 1984). Sodium Benzoate RTECS No. DH6650000; Toxicity: Orl-rat LD50: 4070 mg/kg.

Effects of Overexposure

INHALATION: Non-hazardous. **EYES:** No specific hazard is known. However, any material that contacts the eye, may be irritating. **SKIN:** Non-hazardous. **INGESTION:** None expected. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

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. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water.

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	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	Absorb spill in vermiculite, sand, earth, paper towel and place in a suitable container for proper disposal. Wash spill area with soap and 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.
	Flush to sewer with copious amounts of water or incinerate in an approved incinerator.

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.
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Ventilation	Local Exhaust	None needed.	Special	No.
	Mechanical (General)	None needed.	Other	No.

Protective Gloves	None needed.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Lab coat, eye wash station.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool place. 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.
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Keep container tightly closed.
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 4/8/99	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	POLY VINYL ALCOHOL SOLUTION 4%
Chemical Synonyms	Polyvinyl alcohol aqueous solution
Formula	Mixture
Unit Size	up to 3.785 Lt.
C.A.S. No.	9002-89-5 (Poly Vinyl Alcohol)

CHEMTREC
800-424-9300
Day 716-226-6177

NFPA HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

Health 0
Fire 0
Reactivity 0

HMIS *
3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Poly Vinyl Alcohol	4%	None assigned.
Sodium Benzoate: (CAS No. 532-32-1) as preservative	1%	See Section V.
Water: (CAS No. 7732-18-5)	95%	None established.

USE IN KEEPING WITH GOOD LABORATORY PRACTICES.

SECTION III PHYSICAL DATA

Melting Point (°F)	Approx. 0°C (32°F) (water)	Specific Gravity (H ₂ O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 100°C (212°F) (water)	Percent Volatile by Volume (%)	95%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water = 1)	1 (water)
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Approx. 15; forms a gel with water.		
Appearance & Odor	Clear, thick gel; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not applicable	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media	Use any media suitable for extinguishing supporting fire.
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SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus to protect from smoke.

UNUSUAL FIRE AND EXPLOSION HAZARDS

There are no unusual fire or explosion hazards associated with this material.

D.O.T. NON-REGULATED.

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