



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. PP 119  
Effective Date April 8, 1999

## SECTION V HEALTH HAZARD DATA

PP 119

### 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. |
|--------------------------------------|--------------------------|

|                                  |  |
|----------------------------------|--|
| Hazardous Decomposition Products | Combustion will produce carbon dioxide and probably carbon monoxide. |
|----------------------------------|--|

|                          |                |                     |                 |
|--------------------------|----------------|---------------------|-----------------|
| 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. |
|---|---|

|                       |  |
|-----------------------|--|
| 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.<br>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. |              |                |                          |
| Ventilation                           | Local Exhaust  | None needed. | Special        | No.                      |
|                                       | Mechanical (General)   | None needed. | Other          | No.                      |
| Protective Gloves                     | None needed.   |              | Eye Protection | Chemical safety glasses. |
| Other Protective Equipment            | Lab coat, eye wash station.  |              |                |                          |

## SECTION IX SPECIAL PRECAUTIONS

|  |   |
|--|---|
| Precautions to be Taken in Handling & Storing  | Store in a cool place.<br>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.<br>Keep container tightly closed.<br>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 | 4/8/99 | Approved | Michael Raszeja | Chemical Safety Coordinator | 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

|                   |                                    |
|-------------------|------------------------------------|
| Product           | POLY VINYL ALCOHOL SOLUTION 5%     |
| Chemical Synonyms | Polyvinyl alcohol aqueous solution |
| Formula           | Mixture                            |
| Unit Size         | up to 4 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 \*  
HIGH EXTREME  
3 4

## SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s)                              | %   | TLV Units         |
|---|-----|-------------------|
| Poly Vinyl Alcohol                                  | 5%  | None assigned.    |
| Sodium Benzoate: (CAS No. 532-32-1) as preservative | 1%  | See Section V.    |
| Water: (CAS No. 7732-18-5)                          | 94% | 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 <sub>2</sub> O = 1) | Approx. 1.0 |
| Boiling Point (°F)     | Approx. 100°C (212°F) (water)       | Percent Volatile by Volume (%)          | 94%         |
| 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 |
|                           |   |                                     |    | ----- | ----- |
| Extinguisher Media        | Use any media suitable for extinguishing supporting fire. |                                     |    |       |       |

### 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