



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
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MSDS No. AA 12  
Effective Date February 3, 1999

## SECTION V HEALTH HAZARD DATA

AA 12

**Threshold Limited Value** For Glacial Acetic Acid; 10 ppm or 25 mg/m<sup>3</sup> (ACGIH 1992-93).

**Effects of Overexposure** Low hazard to skin, eyes and mucous membranes. May cause slight irritation on contact. Exercise appropriate procedures to minimize potential hazards.

**Emergency and First Aid Procedures**  
**EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INGESTION:** If conscious, give several glasses of water to drink. Call physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature and heat to cause evaporation.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Reacts with metals to produce hydrogen gas.

**Hazardous Decomposition Products** None expected.

<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** Neutralize acid spill using Soda Ash or Sodium Bicarbonate (Litmus Test), flush to sewer with copious amounts of 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.  
Neutralize with Sodium Bicarbonate and flush to sewer with copious amounts of water.

## 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.

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

**Protective Gloves** Rubber. **Eye Protection** Chemical safety glasses.

**Other Protective Equipment** Smock, apron, safety goggles, proper gloves, eye wash station.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool place. 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.  
Avoid contact with skin or eyes. Remove and wash contaminated clothing.

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

<b>Revision No. 1</b>	<b>Date</b> 2/3/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	ACETATE BUFFER SOLUTION	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177 <b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 <b>HMIS *</b>	<b>Health</b>	0
<b>Chemical Synonyms</b>	N/A		<b>Fire</b>	0
<b>Formula</b>	Mixture. See Section II.		<b>Reactivity</b>	1
<b>Unit Size</b>	up to 4 Lt.			
<b>C.A.S. No.</b>	Mixture. See Section II.			

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Glacial Acetic Acid: (CAS No. 64-19-7)	5.7%	10 ppm
Water: (CAS No. 7732-18-5)	79.54%	None established.
Sodium Acetate: (CAS No. 127-09-3)	14.76%	

**CAUTION! MAY BE HARMFUL IF SWALLOWED. MAY CAUSE IRRITATION.**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	Freezes 0°C (32°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	Approx. 1.00
<b>Boiling Point (°F)</b>	Approx. 100°C (212°F)	<b>Percent Volatile by Volume (%)</b>	79.54%
<b>Vapor Pressure (mm Hg)</b>	14 (water)	<b>Evaporation Rate (water = 1)</b>	Greater than 1.
<b>Vapor Density (Air=1)</b>	0.7 (water)		
<b>Solubility in Water</b>	Complete.		
<b>Appearance &amp; Odor</b>	Clear, colorless liquid; vinegar-like odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-combustible (NA)	<b>Flammable Limits in Air % by Volume</b>	NA	<b>Lower</b>	<b>Upper</b>
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**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.

## UNUSUAL FIRE AND EXPLOSION HAZARDS

Slight fire hazard when exposed to heat or flame. Acetic acid solutions can react with metals to liberate hydrogen gas.

D.O.T. **NON-REGULATED.**

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