



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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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

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat to cause evaporation.
	Stable	X		

Incompatibility (Materials to Avoid)	Reacts with metals to produce hydrogen gas.
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Hazardous Decomposition Products	None expected.
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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	Neutralize acid spill using Soda Ash or Sodium Bicarbonate (Litmus Test), flush to sewer with copious amounts of 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.
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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.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Smock, apron, safety goggles, proper gloves, 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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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.

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

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

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

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-combustible (NA).	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.

### 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