



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. AA 07
Effective Date January 11, 1999

SECTION V

HEALTH HAZARD DATA

AA 07

Threshold Limited Value

For Glacial Acetic Acid: TWA: 10 ppm or 25 mg/m³
STEL: 15 ppm or 37 mg/m³ (ACGIH 1992-93).

Effects of Overexposure

May be harmful if swallowed; may cause irritation to mucous membranes. Contact may cause irritation to skin and eyes. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

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. **INGESTION:** If swallowed, if conscious, give water or milk to drink. Call physician immediately. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI

REACTIVITY DATA

Stability

Unstable
Stable

Conditions to Avoid

Excessive temperature and heat.

Incompatibility (Materials to Avoid)

Reacts with metals to produce hydrogen gas. Strong oxidizers.

Hazardous Decomposition Products

Thermal decomposition will produce carbon dioxide and/or carbon monoxide.

Hazardous Polymerization

Conditions to Avoid

May Occur
Will Not Occur

Not applicable.

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. Absorb with an inert dry material, sweep up and place in an appropriate container for 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.

Dispose of in accordance with federal, state and local regulations.

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
Mechanical (General)

Recommended.
Recommended.

Special
Other

No.
No.

Protective Gloves

Rubber.

Eye Protection

Chemical safety goggles.

Other Protective Equipment

Smock, apron, safety glasses, proper gloves, eye wash station, ventilation hood.

SECTION IX

SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Store in a cool place.
Wash thoroughly after handling.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.

Avoid contact with skin and 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. 3	Date	1/11/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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
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SECTION I

NAME

24 HOUR EMERGENCY ASSISTANCE

Product	ACETIC ACID, 10% AQUEOUS SOLUTION
Chemical Synonyms	Ethanoic Acid, 10% Aqueous
Formula	Mixture.
Unit Size	up to 4 Lt.
C.A.S. No.	Mixture.

		CHEMTREC 800-424-9300 Day 716-226-6177	Health	1
			Fire	0
			Reactivity	1
NFPA HAZARD RATING		HMIS *		
LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

SECTION II

INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Acetic Acid, Glacial: (CAS No. 64-19-7)	10%	10 ppm.
Water: (CAS No. 7732-18-5)	90%	None established.
WARNING! MAY BE HARMFUL IF SWALLOWED.		
MAY CAUSE IRRITATION TO SKIN AND EYES.		

SECTION III

PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F).	Specific Gravity (H ₂ O = 1)	Approx. 1.00
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	Glacial Acetic Acid 11.7	Evaporation Rate (Ether = 1)	Greater than 1.
Vapor Density (Air=1)	Glacial Acetic Acid 2.07		
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.	Flammable Limits in Air % by Volume	N/A	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. Wear eye and skin protection.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Slight fire hazard when exposed to heat or flames, may produce hazardous decomposition products. 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