



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. SS 233
Effective Date April 28, 1999

SECTION V HEALTH HAZARD DATA

SS 233

Threshold Limited Value

None established. (ACGIH 1992-93). Toxicity Data: 500 mg/24 hours Skin
Rabbit mild irritation; 10 mg Eye-Rabbit mild irritant; 3530 mg/kg Oral-Rat LD50.

Effects of Overexposure

INHALATION: Dust may cause irritation with coughing and shortness of breath. **SKIN:** May cause irritation after acute exposure. **EYES:** Contact may cause mild irritation. **INGESTION:** Acute ingestion may cause abdominal pain and vomiting. 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. Never give anything by mouth to an unconscious person. If discomfort or illness develops, get medical attention. **SKIN:** Flush with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Strong oxidants, potassium nitrate, nitric acid, fluoride and diketene.
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Hazardous Decomposition Products	Emits fumes of acetic acid upon heating above 120°C (248°F).
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Recover for use if not contaminated. Wear protective safety equipment and use adequate ventilation. Avoid making dust. Sweep up and place in a suitable container for 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. Dissolve in water and flush to sewer with copious amounts of water or dispose of in an approved incinerator.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)		None should be needed in normal laboratory use. If dusty conditions prevail, wear a NIOSH/MSHA-approved dust mask or work in a ventilation hood.			
Ventilation	Local Exhaust	Recommended.	Special	No.	
	Mechanical (General)	Recommended.	Other	No.	
Protective Gloves		Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment		Goggles, smock, apron, ventilation hood, proper gloves, and eye wash station.			

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Hygroscopic. Store in a cool, dry, well-ventilated area away from sources of heat and ignition. Use with adequate ventilation. Wash thoroughly after handling. Keep container tightly closed when not in use.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. Avoid contact with skin, eyes and mucous membranes. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 3	Date	4/28/99	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	SODIUM ACETATE, TRIHYDRATE
Chemical Synonyms	Sodium Acetate, Trihydrate
Formula	NaC ₂ H ₃ O ₂ •3H ₂ O
Unit Size	up to 2.5 Kg.
C.A.S. No.	6131-90-4

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

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

Health	1
Fire	0
Reactivity	0

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Acetate, Trihydrate	100%	See Section V.

CAUTION! CONTACT CAUSES IRRITATION TO SKIN, EYES AND MUCOUS MEMBRANES.		
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SECTION III PHYSICAL DATA

Melting Point (°F)	Loses water @ 120°C (248°F)	Specific Gravity (H ₂ O = 1)	1.45
Boiling Point (°F)	Decomposes @ 324°C (615°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (≈1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	125 grams/100 mL.		
Appearance & Odor	White crystals; slight acetic acid odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-volatile solid.	Flammable Limits in Air % by Volume	Unknown	Lower	Upper
Extinguisher Media	Water spray; dry chemical (ABC); carbon dioxide (CO ₂); alcohol foam.				

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Auto-ignition temperature: 611°C (1132°F). (anhydrous)

UNUSUAL FIRE AND EXPLOSION HAZARDS

May leave a caustic residue of sodium oxide, which may burn eyes, skin, clothing, fire hose, etc. Also damaging to electrical equipment. Can react vigorously with oxidizing materials. Avoid dispersion of dust to reduce potential explosion hazard.

D.O.T. NON-REGULATED.

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