



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

221 Rochester Street
Avon, New York 14414-9409
(585) 226-6177

MSDS No.: AA0215
Effective Date: January 1, 2007

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Ammonium Acetate
Chemical Synonyms	Acetic Acid, Ammonium salt
Formula	CH ₃ COONH ₄
Unit Size	up to 2.5 Kg.
C.A.S. No.	631-61-8

	CHEMTREC 800-424-9300 Day 585-226-6177	Health	1
	NFPA	Fire	1
HAZARD RATING		Reactivity	1
MINIMAL 0	SLIGHT 1	HMIS *	
MODERATE 2	SERIOUS 3	SEVERE 4	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Ammonium acetate	min. 97%	None established.

CAUTION! MAY CAUSE IRRITATION TO

SKIN, EYES AND MUCOUS MEMBRANES.

SECTION III PHYSICAL DATA

Melting Point (°F)	114°C (237°F)	Specific Gravity (H ₂ O = 1)	1.07 @ 77°F
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	Not applicable.
Vapor Pressure (mm Hg)	Not applicable.	Evaporation Rate (Water =1)	Not applicable.
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	148 g/100 mL. water @ 39.2°F.		
Appearance & Odor	White, deliquescent crystals or crystalline mass; slight acetous odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Small fires: Carbon dioxide; dry chemical; water spray or foam. Large fires: Water spray; fog or foam.				

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/ MSHA-approved self-contained breathing apparatus or a respirator mask having Ammonia vapor canister.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire may produce irritating or poisonous gases. When heated to decomposition, emits toxic fumes of Ammonia. Ammonia vapors released on burning can form an explosive mixture with air.

D.O.T. NON-REGULATED.

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

SECTION V HEALTH HAZARD DATA AA0215

Threshold Limited Value None established. (ACGIH 2001). RTECS No. AF3675000 Toxicity data: lpr-rat: LD50 632 mg/kg; inv-mus: LD50 90 mg/kg.

Effects of Overexposure
INHALATION: May cause irritation of the respiratory tract. Throat, nose and lungs. **SKIN AND EYES:** Possible irritant with prolonged contact. May cause burns. **INGESTION:** Data not available. May be harmful if swallowed. Target organs: None known.

Emergency and First Aid Procedures
INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **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		Conditions to Avoid	Excessive temperature and heat. Contact with peroxides.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizers, bases, alkalis. Decomposes with sodium hypochlorite.

Hazardous Decomposition Products Thermal decomposition or burning may produce Acetic acid, ammonia, carbon monoxide and/or carbon dioxide.

Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X

Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled
 Avoid creating dust. Sweep up and place in a appropriate container for proper disposal. Wash spill area thoroughly with 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 local, state and federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be needed in normal laboratory handling. If necessary work in fume hood or wear a NIOSH/MSHA-approved dust mask.

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, eye wash station, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing
 Store in a cool, dry place. Deliquescent. Protect from moisture. 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. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Use with adequate ventilation. Avoid contact with eyes or prolonged contact with skin. Remove and wash contaminated clothing.

Revision No. 5	Date 01/01/07	Approved James A. Bertsch	Chemical Safety Coordinator JAB
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