



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. LL 90
Effective Date November 10, 1998

SECTION V HEALTH HAZARD DATA

LL 90

Threshold Limited Value

None established for Lead Acetate. (ACGIH 1992-93). TWA for Lead [CAS No. 7439-92-1], inorganic dust and fumes, as Pb 0.15 mg/m³.

Effects of Overexposure

INHALATION AND INGESTION: Acute effects are weakness, fatigue, sleep disturbance, headache, aching bones and muscles, abdominal pains, constipation and decreased appetite. Chronic effects include anemia, pallor, blue "lead line" on the gums, severe headache, convulsions, coma, delirium, kidney injury and possible death. Causes irritation and/or burns to skin and eyes.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
INGESTION: If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting. Repeat until vomit fluid is clear. Call physician immediately. Never give anything by mouth to an unconscious person.
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 soap and water.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Acids, soluble sulfates, citrates, tartrates, chlorides, carbonates, alkalies, tannin, phosphates, resorcinol, salicylic acid, phenol, chloral hydrate, sulfites, strong oxidizers.
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Hazardous Decomposition Products	When heated to decomposition, emits toxic fumes of lead, carbon dioxide and/or carbon monoxide.
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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. Wear suitable protective clothing, avoid making dust, sweep material up and place in a suitable container for proper disposal. Wash spill area well with soap and water. Do not send residues to sewer.
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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. Dispose of in an approved chemical landfill or contract with a licensed waste disposal service.
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SECTION VIII SPECIAL PROTECTION INFORMATION

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

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry, ventilated area away from strong oxidizing agents, sources of ignition or heat. 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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Do not breathe dust or fumes. Use with adequate ventilation.
Remove and wash contaminated clothing promptly.

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

Revision	No. 5	Date	11/10/98	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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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	LEAD ACETATE
Chemical Synonyms	Sugar Of Lead
Formula	Pb(CH ₃ COO) ₂ •3H ₂ O
Unit Size	up to 2.5 Kg.
C.A.S. No.	6080-56-4

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

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

Health	3
Fire	0
Reactivity	0

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Lead Acetate, Trihydrate	100%	See Section V.
DANGER! POISON MAY BE		
FATAL IF SWALLOWED, INHALED OR ABSORBED		
THROUGH SKIN. SUSPECTED CARCINOGEN. *		

SECTION III PHYSICAL DATA

Melting Point (°F)	75°C (167°F)	Specific Gravity (H ₂ O = 1)	2.55 at 20°C
Boiling Point (°F)	Decomposes at 200°C (392°F)	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate ()	Non-volatile (NA).
Vapor Density (Air=1)	13.1		
Solubility in Water	62.5 grams per 100 mL. water at 20°C.		
Appearance & Odor	White crystals, flakes or crystalline powder; slight acetic odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

* RTECS Ref: OF8050000
Carcinogen Review: Animal positive.
Cancer hazard based on tests with laboratory animals.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 151)

UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated emits toxic fumes of lead.

D.O.T. LEAD ACETATE, 6.1, UN 1616, PG III

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