

IMPORTANT MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
OSHA requires this form be kept on file

Product No. KM 978 N

Product Name **LEAD ACETATE**

SECTION I

Principal Hazardous Component(s)
Lead Acetate Trihydrate

DANGER! MAY BE FATAL IF SWALLOWED,
INHALED OR ABSORBED THROUGH SKIN.

A chemical subject to the reporting requirements of SARA Title III.

SECTION II

Melting Point (°F)	167°F (75°C)	Specific Gravity (B ₂₀ /4)	2.55 @ 20°C
Boiling Point (°F)	Decomposes at 200°C	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 100ml water at 20°C.		
Appearance & Odor	White crystals, flakes or crystalline powder; acetic odor.		

SECTION III

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

Special Firefighting Procedures

In fire conditions, wear a NIOSH-approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

When heated, emits toxic fumes of lead.

Health Hazard	3
Flammability	0
Reactivity	0

SECTION IV NAME

Chemical Synonyms	Sugar of lead
Formula	Pb(CH ₃ COO) ₂ ·3H ₂ O
C.A.S. No.	5030-56-4

SECTION V

%	FEL	TLV Units
100%		See Section V

Not established for Lead Acetate (ACGIH 1983B-). TW:1 for lead. CAS No. 5030-56-4. Inorganic dust.

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.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. Get medical attention.

INGESTION: If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting. If unconscious, call a physician immediately.

EYES: If case contact flush eyes thoroughly with water for at least 15 minutes. Get medical attention.

SKIN: Flush thoroughly with water, then wash with soap and water.

SECTION VI

Stability	Stable ☒ Unstable ☐	Conditions to Avoid
Incompatibility (Water & Air)		Excessive temperature and heat.
Hazardous Decomposition Products		Acids, soluble sulfates, chlorates, chlorides, carbonates, aldehydes, phosphates, resorcinol, salicylic acid, phenol, chloral hydrate, sulfites, etc. oxidizers.
Hazardous Polymerization	May Occur ☐ Will Not Occur ☒	When heated to decomposition, emits toxic fumes of lead, carbon dioxide and/or carbon monoxide.

SECTION VII

SPILL OR LEAK PROCEDURE
Steps to be taken if Case Material is Released or Spilled:
Wear suitable protective clothing, avoid making dust, sweep material up and place in a suitable container. Dispose of in an approved chemical landfill. Wash spill area well with soap and water.

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or local laws. Waste disposal guidelines are intended for use in disposal of catalytic converter. Dispose of in an approved chemical landfill or contact with a licensed waste disposal service. Discharge, treatment, or disposal may be subject to federal, state, or local laws.

SECTION VIII

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

SECTION IX

SPECIAL PRECAUTIONS
Precautions to be taken in Handling & Storage:
Keep container tightly closed when not in use.
Store in a cool, dry place away from strong oxidizing agents. Wash thoroughly after handling.

Other Precautions

Read label and instructions carefully. Do not wear contact lenses when working with chemicals. Read label on container before using. Do not breathe dust or fumes. Use with adequate ventilation. Rinse and wash contaminated clothing promptly.

Approved by: Steven C. Glandt Effective Date: 11/02/94

D.C.T. Lead acetate, 6.1, UN1616, PGIII

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