

## Section 1 Chemical Product and Company Information

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80 Northwest Blvd.  
Nashua, NH 03063  
(800) 225-3739

**CHEMTREC 24 Hour Emergency**  
**Phone Number (800) 424-9300**  
For laboratory use only.  
Not for drug, food or household use.

**Product** LEAD(II) ACETATE, TRIHYDRATE

**Synonyms** Lead Acetate / Acetic Acid, lead(2+) salt, trihydrate

## Section 2 Hazards Identification

**Signal word:** DANGER

**Pictograms:** GHS08 / GHS09

**Target organs:** Central nervous system, Liver, Kidneys, Blood, Lungs

**GHS Classification:**

Reproductive toxicity (Category 1A)

STOT-RE (Category 2)

Aquatic toxicity, acute (Category 1)

Aquatic toxicity, chronic (Category 1)

**GHS Label information: Hazard statement:**

H360Df: May damage the unborn child. Suspected of damaging fertility.

H373: May cause damage to organs through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

**Precautionary statement:**

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P260: Do not breathe dust.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313: IF exposed or concerned: Get medical attention.

P391: Collect spillage.

P405: Store locked up.

P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Ca Prop 65: This product contains a chemical known to the State of California to cause cancer or reproductive toxicity (Lead and Lead compounds).

## Section 3 Composition / Information on Ingredients

Chemical Name	CAS #	%	EINECS
Lead acetate	6080-56-4	100%	206-104-4

## Section 4 First Aid Measures

**INGESTION:** MAY BE HARMFUL IF SWALLOWED. 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.

**INHALATION:** MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**EYE CONTACT:** MAY CAUSE EYE IRRITATION. 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 ABSORPTION:** MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

## Section 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Dry chemical, CO<sub>2</sub> or water spray.

**Protective Actions for Fire-fighters:** In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

**Specific Hazards:** Fire may produce irritating, corrosive and/or toxic gases. Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution. Containers may explode when heated. Do not get water inside containers.

## Section 6 Accidental Release Measures

**Personal Precautions:** Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

**Environmental Precautions:** Avoid runoff into storm sewers and ditches which lead to waterways.

**Containment and Cleanup:** Recover for reuse if not contaminated. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

**Section 7 Handling & Storage**

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**Precautions for Safe Handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

**Conditions for Safe Storage:** Store in a cool, dry, well-ventilated area away from incompatible substances.

**Section 8 Exposure Controls / Personal Protection**

Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
	Lead and inorganic compounds	TWA: 0.05 mg/m <sup>3</sup> (A3)	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.05 mg/m <sup>3</sup>

**Engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

**Respiratory protection:** Lead based compounds require the use of a NIOSH type N100 filter.

**Section 9 Physical & Chemical Properties**

<b>Appearance:</b> Solid. White crystalline powder <b>Odor:</b> Slight acetic odor <b>Odor threshold:</b> Data not available <b>pH:</b> Data not available <b>Melting / Freezing point:</b> 75°C (167°F) <b>Boiling point:</b> 280°C (536°F) <b>Flash point:</b> Not flammable	<b>Evaporation rate ( = 1):</b> Data not available <b>Flammability (solid/gas):</b> Data not available <b>Explosion limits: Lower / Upper:</b> Data not available <b>Vapor pressure (mm Hg):</b> Data not available <b>Vapor density (Air = 1):</b> Data not available <b>Relative density (Specific gravity):</b> 2.55 g/cm <sup>3</sup> <b>Solubility(ies):</b> Insoluble in water	<b>Partition coefficient:</b> Data not available <b>Auto-ignition temperature:</b> Data not available <b>Decomposition temperature:</b> 200°C (392°F) <b>Viscosity:</b> Data not available <b>Molecular formula:</b> Pb(CH <sub>3</sub> COO) <sub>2</sub> •3H <sub>2</sub> O <b>Molecular weight:</b> 379.34
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**Section 10 Stability & Reactivity**

**Chemical stability:** Stable  
**Conditions to avoid:** Excessive temperatures.  
**Incompatible materials:** Strong oxidizers, acids and bases.  
**Hazardous decomposition products:** Carbon oxides.

**Hazardous polymerization:** Will not occur.

**Section 11 Toxicological Information**

**Acute toxicity:** Oral-rat LD50: 4665 mg/kg  
**Skin corrosion/irritation:** Data not available  
**Serious eye damage/irritation:** Data not available  
**Respiratory or skin sensitization:** Data not available  
**Germ cell mutagenicity:** Data not available  
**Carcinogenicity:** Data not available  
NTP: Reasonably anticipated to be a human carcinogen.  
IARC classified: Group 2A: Probably carcinogenic to humans.  
OSHA: Data not available.  
Ca Prop 65: This product contains a chemical known to the State of California to cause cancer or reproductive toxicity (Lead and Lead compounds).  
**Reproductive toxicity:** Data not available  
**STOT-single exposure:** Data not available  
**STOT-repeated exposure:** May cause damage to organs through prolonged or repeated exposure.  
**Aspiration hazard:** Data not available  
**Potential health effects:**  
Inhalation: Inhalation may cause cough and sore throat. See ingestion.  
Ingestion: Ingestion causes abdominal cramps, constipation, convulsions, nausea, and vomiting.  
Skin: Contact causes redness and pain.  
Eyes: Contact causes irritation with redness and pain.  
**Signs and symptoms of exposure:** See Potential health effects above. Lead is a cumulative poison and exposure to even small amounts can raise the body's content to toxic levels. Exercise appropriate procedures to minimize potential hazards.  
**Additional information:** RTECS #: OF8050000

**Section 12 Ecological Information**

**Toxicity to fish:** No data available  
**Toxicity to daphnia and other aquatic invertebrates:** No data available  
**Toxicity to algae:** No data available  
**Persistence and degradability:** No data available  
**Bioaccumulative potential:** No data available  
**Mobility in soil:** No data available  
**PBT and vPvB assessment:** No data available  
**Other adverse effects:** Very toxic to aquatic life with long lasting effects.

**Section 13 Disposal Considerations**


These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

**Section 14 Transport Information (US DOT / CANADA TDG)**

**UN/NA number:** UN1616  
**Shipping name:** Lead acetate  
**Hazard class:** 6.1  
**Packing group:** III  
**Reportable Quantity:** 10 lbs (4.54 kg)  
**Marine pollutant:** Yes  
**Exceptions:** Limited quantity equal to or less than 5 Kg  
**2012 ERG Guide #** 151

**Section 15 Regulatory Information**

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

Component	TSCA	CERCLA (RQ)	RCRA code	DSL	NDSL	WHMIS Classification
Lead acetate	Listed	10 lbs	U144	Listed	Not listed	 D1B; D2A

**Section 16 Additional Information**

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. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

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