

EMS CATALOG NO: 17600
EMS PRODUCT: LEAD ACETATE
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MATERIAL SAFETY DATA SHEET

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

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FOR PRODUCT AND SALES INFORMATION

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PRODUCT IDENTIFICATION

PRODUCT NAME: **Lead Acetate**

SYNONYM: Not available.

CHEMICAL FORMULA: Pb(CH₃COO)₂·3H₂O

CHEMICAL FAMILY: Not available.

CAS# 6080-56-4

COMPOSITION AND INFORMATION ON INGREDIENTS

NAME: Lead Acetate Trihydrate

CAS#: 6080-56-4

% BY WEIGHT: 100

TWA (mg/m³): 0.15

TOXICOLOGICAL DATA ON INGREDIENTS:

ORAL LD50: Acute: 4665 mg/kg [Rat].

HAZARDS IDENTIFICATION

POTENTIAL ACUTE HEALTH EFFECTS:

Very dangerous in case of ingestion. Slightly dangerous to dangerous in case of eye contact (irritant), of inhalation. Very slightly to slightly dangerous in case of skin contact (irritant, permeator). Severe overexposure can result in death. Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact.

POTENTIAL CHRONIC HEALTH EFFECTS:

CARCINOGENIC EFFECTS: Classified 2B by IARC.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

Toxicity of the product to the reproductive system: Not available. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

WARNING: This product contains a chemical known to the State of California to cause cancer.

Chemical Ingredient(s) requiring this warning: ***LEAD ACETATE TRIHYDRATE***

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive

harm.

Chemical Ingredient(s) requiring this warning: ***LEAD ACETATE TRIHYDRATE***

FIRST AID MEASURES

EYE CONTACT:

Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention.

SKIN CONTACT:

If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

SERIOUS SKIN CONTACT: No additional information.

INHALATION:

Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

SERIOUS INHALATION:

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

INGESTION:

Remove dentures if any. Watch for an obstruction in the

victim's mouth. Remove if possible what is causing the obstruction but do not force fingers or a hard object between the victim's teeth. Have conscious person drink several glasses of water or milk. INDUCE VOMITING by sticking finger in throat. Seek immediate medical attention.

SERIOUS INGESTION:

Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Remove dentures if any. Watch for an obstruction in the victim's mouth. Remove if possible what is causing the obstruction but do not force fingers or a hard object between the victim's teeth. If a soft pad can be inserted between the victim's teeth, it will protect the tongue from being bitten. A badly bleeding tongue immensely complicates the patient's problems. Have conscious person drink several glasses of water or milk. INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. If convulsions occur, do not restrain the victim, but do remove objects with which he (she) might injure himself (herself) or orient the victim to prevent him (her) from striking fixed heavy objects. If the convulsions cease, turn the victim on side or face down so that any fluid in the mouth will drain. Seek immediate medical attention.

FIRE AND EXPLOSION DATA

FLAMMABILITY OF THE PRODUCT: Combustible.

AUTO-IGNITION TEMPERATURE: Not available.

FLASH POINTS: Not available.

FLAMMABLE LIMITS: Not available.

PRODUCTS OF COMBUSTION: These products are carbon oxides (CO, CO₂). Some metallic oxides.

FIRE HAZARDS IN PRESENCE OF VARIOUS SUBSTANCES: No specific information is available in our database regarding the flammability of this product in presence of various

materials.

**EXPLOSION HAZARDS IN PRESENCE OF VARIOUS SUBSTANCES:
RISKS OF EXPLOSION OF THE PRODUCT IN PRESENCE OF
MECHANICAL**

IMPACT: Not available.

**RISKS OF EXPLOSION OF THE PRODUCT IN PRESENCE OF STATIC
DISCHARGE: Not available.**

No specific information is available in our database regarding the product' s risks of explosion in the presence of various materials.

FIRE FIGHTING MEDIA AND INSTRUCTIONS:

SMALL FIRE: Use DRY chemicals, CO₂, water spray or foam.

LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet .

SPECIAL REMARKS ON FIRE HAZARDS: No additional remark.

SPECIAL REMARKS ON EXPLOSION HAZARDS: No additional remark.

ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Use appropriate tools to put the spilled solid in convenient waste disposal container.

LARGE SPILL:

Poisonous solid.

Stop leak if without risk. DO NOT get water inside container. DO NOT touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Call for assistance on disposal.

HANDLING AND STORAGE

PRECAUTIONS:

Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk,

evaporate the residue under a fume hood. Ground all equipment containing material. DO NOT ingest. DO NOT breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label.

STORAGE:

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

PERSONAL PROTECTION:

Splash goggles. Lab coat. Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

PERSONAL PROTECTION IN CASE OF A LARGE SPILL:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

EXPOSURE LIMITS:

TWA: 0.15 (mg/m³) from ACGIH. Consult local authorities for acceptable exposure limits.

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE AND APPEARANCE: Solid.
ODOR: Not available.
TASTE: Not available.
COLOR: Not available.
MOLECULAR WEIGHT: 379.32
pH (1% SOLN/WATER): Not available.
BOILING POINT: Decomposes. (100°C or 212°F)
MELTING POINT: 75°C (167°F)
CRITICAL TEMPERATURE: Not available.
SPECIFIC GRAVITY: 2.55 (Water=1)
VAPOR PRESSURE: Not available.
VAPOR DENSITY: Not available.
VOLATILITY: Not available.
ODOR THRESHOLD: Not available.
WATER/OIL DIST. COEFF.: Not available.
IONICITY (IN WATER): Not available.
DISPERSION PROPERTIES: See solubility in water.
SOLUBILITY: Easily soluble in cold water.

STABILITY AND REACTIVITY DATA

STABILITY: The product is stable.

INSTABILITY TEMPERATURE: Not available.

CONDITIONS OF INSTABILITY: No additional remark.

INCOMPATIBILITY WITH VARIOUS SUBSTANCES: No specific information is available in our database regarding the reactivity of this material in presence of various other materials.

CORROSIVITY: Non-corrosive in presence of glass.

SPECIAL REMARKS ON REACTIVITY: No additional remark.

SPECIAL REMARKS ON CORROSIVITY: No additional remark.

POLYMERIZATION: No.

TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Ingestion. Inhalation.

TOXICITY TO ANIMALS:

LD50: Not available.

LC50: Not available.

CHRONIC EFFECTS ON HUMANS:

CARCINOGENIC EFFECTS: Classified 2B by IARC.

OTHER TOXIC EFFECTS ON HUMANS: Very dangerous in case of ingestion. Slightly dangerous to dangerous in case of eye contact (irritant), of inhalation. Very slightly to slightly dangerous in case of skin contact (irritant, permeator).

SPECIAL REMARKS ON TOXICITY TO ANIMALS: No additional remark.

SPECIAL REMARKS ON CHRONIC EFFECTS ON HUMANS: Passes through the placental barrier in animal. Excreted in maternal milk in animals.

SPECIAL REMARKS ON OTHER TOXIC EFFECTS ON HUMANS: No additional remark.

ECOLOGICAL INFORMATION

ECOTOXICITY: Not available.

BOD5 AND COD: Not available.

PRODUCTS OF BIODEGRADATION: These products are carbon oxides (CO, CO₂). Some metallic oxides.

TOXICITY OF THE PRODUCTS OF BIODEGRADATION: The products of degradation are more toxic.

SPECIAL REMARKS ON THE PRODUCTS OF BIODEGRADATION: No additional remark.

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Recycle to process, if possible. Consult your local or regional authorities.

TRANSPORT INFORMATION

DOT CLASSIFICATION: DOT CLASS 6.1: Poisonous material.

IDENTIFICATION: Lead Acetate UN1616 III

SPECIAL PROVISIONS FOR TRANSPORT: Marine Pollutant

OTHER REGULATORY INFORMATION

FEDERAL AND STATE REGULATIONS:

The following product(s) is (are) listed by the State of
California: [Cancer] **LEAD ACETATE TRIHYDRATE**

The following product(s) is (are) listed by the State of
California: [Development toxin]: **LEAD ACETATE
TRIHYDRATE**

The following product(s) is (are) listed by the State of
California: [Reproductive system/toxin/male]: **LEAD
ACETATE TRIHYDRATE**

The following product(s) is (are) listed by the state of
California: [Reproductive system/toxin/female]: **LEAD
ACETATE TRIHYDRATE**

CALIFORNIA PROPOSITION 65 WARNINGS:

**WARNING: This product contains a chemical known to the State
of California to cause cancer.**

Chemical ingredient(s) requiring this warning:
LEAD ACETATE TRIHYDRATE

**WARNING: This product contains a chemical known to the State
of California to cause birth defects or other
reproductive harm.**

Chemical ingredient(s) requiring this warning:
LEAD ACETATE TRIHYDRATE

OTHER REGULATIONS:

OSHA: Hazardous by definition of Hazard Communication
Standard (29 CFR 1910.1200).

OTHER CLASSIFICATIONS:

WHMIS(CANADA): WHMIS CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).

DSCL (EEC): R39-Danger of very serious irreversible effects.

R40-Possible risks of irreversible effects.

R45-May cause cancer.

R26/27/28-Very toxic by inhalation, in contact with skin and if swallowed.

HMIS (U.S.A.):

HEALTH HAZARD: 2

FIRE HAZARD: 1

REACTIVITY: 0

PERSONAL PROTECTION: e

NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A.)

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

SPECIFIC HAZARD:

PROTECTIVE EQUIPMENT:

Lab coat.

Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

Splash goggles.