



J.T. Baker Inc.
222 Red School Lane
Phillipsburg, NJ 08865

24-Hour Emergency Telephone 908-859-2151
National Response Center 800-424-8802
Chemtrec 800-424-9300

MATERIAL SAFETY DATA SHEET

FICHE
SIGNALÉTIQUE

National Response In Canada
CANUTEC 613-996-6666

HOJAS DE DATOS
DE SEGURIDAD

Outside U.S. and Canada
Chemtrec 202-483-7616

L2434 -06
Effective: 09/14/89

Lead Acetate, Trihydrate

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J.T.BAKER INC., 222 Red School Lane, Phillipsburg, NJ 08865

SECTION I - PRODUCT IDENTIFICATION

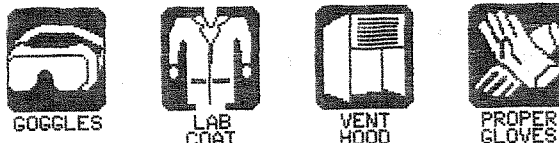
Product Name: Lead Acetate, Trihydrate
Common Synonyms: Lead (II) Acetate, Trihydrate; Lead Diacetate, Trihydrate;
Salt of Saturn
Chemical Family: Lead Compounds
Formula: $(CH_3COO)_2Pb \cdot 3H_2O$
Formula Wt.: 379.33
CAS No.: 6080-56-4
NIOSH/RTECS No.: O F 8050000
Product Use: Laboratory Reagent
Product Codes: 2273,5011,2271,5165,2279

PRECAUTIONARY LABELING

ER SAF-T-DATA* System

| HEALTH | FLAMMABILITY | REACTIVITY | CONTACT |
|--|------------------|------------------|--------------------|
|  3 CANCER SEVERE | 0 NONE | 0 NONE | 1 SLIGHT |

Laboratory Protective Equipment



U.S. Precautionary Labeling

DANGER!

CAUSES IRRITATION. MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. NOTE: REPORTED AS CAUSING CANCER IN LABORATORY ANIMALS. EXERCISE DUE CARE.

Do not get in eyes, on skin, on clothing. Do not breathe dust. Keep in tightly closed container. Use with adequate ventilation. Wash thoroughly after handling.

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===== PRECAUTIONARY LABELING (CONTINUED) =====

International Labeling

Avoid contact with eyes. After contact with skin, wash immediately with plenty of water. Keep container tightly closed.

SAF-T-DATA* Storage Color Code: Blue (health)

===== SECTION II - COMPONENTS =====

| <u>Component</u> | <u>CAS No.</u> | <u>Weight %</u> | <u>OSHA/PEL</u> | <u>ACGIH/TLV</u> |
|--------------------------|----------------|-----------------|------------------------|------------------------|
| Lead Acetate, Trihydrate | 6080-56-4 | 99-100 | 0.05 mg/m ³ | 0.15 mg/m ³ |

TLV and PEL are for Lead, inorganic dusts and fumes, as Pb.

===== SECTION III - PHYSICAL DATA =====

Boiling Point: 200°C (392°F) (at 760 mm Hg) DECOMPOSES Vapor Pressure (mmHg): N/A

Melting Point: 75°C (167°F) (at 760 mm Hg) Vapor Density (air=1): N/A

Specific Gravity: 2.55 (H₂O=1) Evaporation Rate: N/A

Solubility(H₂O): Appreciable (>10%) % Volatiles by Volume: 0 (21°C)

pH: N/A

Odor Threshold (ppm): N/A Physical State: Solid

Coefficient Water/Oil Distribution: N/A

Appearance & Odor: White solid. Faint acetic acid odor.



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 SECTION IV - FIRE AND EXPLOSION HAZARD DATA
 =====

Flash Point (Closed Cup): N/A

Autoignition Temperature: N/A

Flammable Limits: Upper - N/A Lower - N/A

Fire Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Special Fire-Fighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

Unusual Fire & Explosion Hazards

Closed containers exposed to heat may explode. NOTE: Decomposes at boiling point.

Toxic Gases Produced

lead fumes, carbon monoxide, carbon dioxide

Explosion Data-Sensitivity to Mechanical Impact

None identified.

Explosion Data-Sensitivity to Static Discharge

None identified.

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 SECTION V - HEALTH HAZARD DATA
 =====

Threshold Limit Value (TLV/TWA): 0.15 mg/m³

TLV is for Lead, inorganic dusts and fumes, as Pb.

Short-Term Exposure Limit (STEL): Not Established

Permissible Exposure Limit (PEL): 0.05 mg/m³

PEL is for Lead, inorganic dusts and fumes, as Pb.

Toxicity of components



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SECTION V - HEALTH HAZARD DATA (CONTINUED)

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Intraperitoneal Rat LD₅₀ for Lead Acetate, Trihydrate 200 mg/kg
Carcinogenicity: NTP: Yes IARC: Yes Z List: Yes OSHA Reg: Yes

Carcinogenicity

This substance is listed as a NTP anticipated human carcinogen and an IARC animal carcinogen.

Reproductive Effects

None identified.

Effects of Overexposure

INHALATION: tightness and pain in chest, coughing, difficult breathing

SKIN CONTACT: irritation

EYE CONTACT: irritation

SKIN ABSORPTION: may be harmful

INGESTION: is harmful and may be fatal, headache, nausea, vomiting, dizziness, gastrointestinal irritation

CHRONIC EFFECTS: anemia, kidney damage, blurred vision, lead build-up in the central nervous system

Target Organs

GI tract, central nervous system, kidneys, blood, gingival tissue

Medical Conditions Generally Aggravated by Exposure

none identified

Primary Routes of Entry

ingestion, inhalation, eye contact, skin contact, absorption

Emergency and First Aid Procedures

INGESTION: CALL A PHYSICIAN. If swallowed, if conscious, give large amounts of water. Induce vomiting.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.



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SECTION V - HEALTH HAZARD DATA (CONTINUED)

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SKIN CONTACT: In case of contact, flush skin with water.

EYE CONTACT: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

SARA/TITLE III HAZARD CATEGORIES and LISTS

Acute: Yes Chronic: Yes Flammability: No Pressure: No Reactivity: No

Extremely Hazardous Substance: No

CERCLA Hazardous Substance: Yes Contains Acetic Acid (RQ = 5000 LBS)

SARA 313 Toxic Chemicals: Yes Contains Lead

Generic Class: C15

TSCA Inventory: Yes

~~State Lists: For products sold in the state of California, the state requires that we provide to users and their employees the following message: WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.~~

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SECTION VI - REACTIVITY DATA

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Stability: Stable Hazardous Polymerization: Will not occur

Conditions to Avoid: air

Incompatibles: strong acids, strong bases, strong oxidizing agents

Decomposition Products: lead fumes, carbon monoxide, carbon dioxide

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SECTION VII - SPILL & DISPOSAL PROCEDURES

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Steps to be Taken in the Event of a Spill or Discharge

Wear self-contained breathing apparatus and full protective clothing. With clean shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water.

Disposal Procedure

Dispose in accordance with all applicable federal, state, and local environmental regulations.



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SECTION VII - SPILL & DISPOSAL PROCEDURES (CONTINUED)

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EPA Hazardous Waste Number: U144 (Toxic Waste)

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SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT

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Ventilation: Use general or local exhaust ventilation to meet TLV requirements.

Respiratory Protection: None required where adequate ventilation conditions exist. If airborne concentration exceeds TLV, a high-efficiency particulate respirator is recommended. If concentration exceeds capacity of respirator, a self-contained breathing apparatus is advised.

Eye/Skin Protection: Safety goggles, uniform, apron, rubber gloves are recommended.

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SECTION IX - STORAGE AND HANDLING PRECAUTIONS

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SAF-T-DATA* Storage Color Code: Blue (health)

Storage Requirements

Keep container tightly closed. Store in secure poison area. Isolate from incompatible materials.

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SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

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Domestic (D.O.T.)

Proper Shipping Name: Hazardous substance, solid, n.o.s. (Lead Acetate)
 Hazard Class: ORM-E
 UN/NA: NA9188 Reportable Quantity: 5000 LBS.
 Labels: NONE
 Regulatory References: 49CFR 172.101; 173.500; 173.510



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SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION (CONTINUED)
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International (I.M.O.)

Proper Shipping Name: Lead Acetate
Hazard Class: 6.1 I.M.O. Page: 6153
UN: UN1616 Marine Pollutants: No Packaging Group: III
Labels: HARMFUL - STOW AWAY FROM FOOD STUFFS
Regulatory References: 49CFR 172.102; Part 176; IMO

AIR (I.C.A.O.)

Proper Shipping Name: Lead Acetate
Hazard Class: 6.1 Packaging Group: III
UN: UN1616
Labels: HARMFUL - STOW AWAY FROM FOOD STUFFS
Regulatory References: ~~49CFR 172.101; 173.6; Part 175; ICAO/IATA~~

U.S. Customs Harmonization Number: 29152900007

N/A = Not Applicable or Not Available
N/E = Not Established

The information in this Material Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and the Canadian WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes.

Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, Baker cannot warn of all of the potential dangers of use or interaction with other chemicals or materials. Baker warrants that the chemical meets the specifications set forth on the label.

BAKER DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR PURPOSE.

The user should recognize that this product can cause severe injury and even death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented

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general safety information becomes available, Baker will periodically
revise this Material Safety Data Sheet.

Note: CHEMTREC, CANUTEC, and NATIONAL RESPONSE CENTER emergency telephone
numbers are to be used ONLY in the event of CHEMICAL EMERGENCIES involving
a spill, leak, fire, exposure, or accident involving chemicals. All
non-emergency questions should be directed to Customer Service
(1-800-JTBAKER) for assistance.

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Approved by Quality Assurance Department.