Section I - Product Identification

Product Name: Lead sub-Acetate
Common Synonyms: Basic Lead Acetate; Bis(Acetate)Tetrahydroxytrilead
Chemical Family: Lead Compounds
Formula: N/A
Formula Wt.: 807.75
CAS No.: 1335-32-6
NIOSH/RTECS No.: 0F8750000
Product Use: Laboratory Reagent
Product Codes: 2290

Precautionary Labeling

BAKER SAF-T-DATA System

Health: Cancer 3 Severe
Flammability: None
Reactivity: Slight
Contact: Moderate

Laboratory Protective Equipment

Goggles
Lab Coat
Vest Hood
Proper Gloves

U.S. Precautionary Labeling

POISON! 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, or clothing. Do not breathe dust. Keep in tightly closed container. Use with adequate ventilation. Wash thoroughly after handling.

Continued on Page: 2
Lead sub-Acetate

Effective: 03/09/92
Issued: 07/10/93

PRECAUTIONARY LABELING (CONTINUED)

International Labeling

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

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

SECTION II - COMPONENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>OSHA/PEL</th>
<th>ACGIH/TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead sub-Acetate</td>
<td>1335-32-6</td>
<td>90-100</td>
<td>0.05 mg/m³</td>
<td>0.15 mg/m³</td>
</tr>
</tbody>
</table>

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

SECTION III - PHYSICAL DATA

Boiling Point: N/A

Vapor Pressure (mmHg): N/A

Melting Point: N/A

Vapor Density (air=1): N/A

Specific Gravity: N/A

Evaporation Rate: N/A

\( \text{H}_2\text{O}=1 \)

Solubility\( \text{(H}_2\text{O)}: \text{Moderate (1-10\%)} \)

% Volatiles by Volume: 0

(21°C)

pH: N/A

Physical State: Solid

Odor Threshold (ppm): N/A

Coefficient Water/Oil Distribution: N/A

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.

Unusual Fire & Explosion Hazards
None identified.

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.

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value (TLV/TWA): 0.15 mg/m³
TLU 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
No information is available
Carcinogenicity: NTP: Yes IARC: Yes Z List: Yes OSHA Reg: Yes

Continued on Page: 4
Carcinogenicity
This substance is listed as an IARC animal carcinogen.

Reproductive Effects
None identified.

Effects of Overexposure

INHALATION: none identified
SKIN CONTACT: none identified
EYE CONTACT: none identified
SKIN ABSORPTION: none identified
INGESTION: none identified
CHRONIC EFFECTS: none identified

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

Medical Conditions Generally Aggravated by Exposure
none identified

Primary Routes of Entry
inhalation, ingestion, eye contact, skin contact, absorption

Emergency and First Aid Procedures

INGESTION: CALL A PHYSICIAN. If swallowed, if conscious, immediately induce vomiting.

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

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.
Lead sub-Acetate

Effective: 03/09/92
Issued: 07/10/93

SECTION V - HEALTH HAZARD DATA (CONTINUED)

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 Lead Subacetate (RQ = 1 LB)
SARA 313 Toxic Chemicals: Yes
Contains Lead
Generic Class: Generic Class Removed from CFR: 7/1/91
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 IS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

SECTION VI - REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur

Conditions to Avoid: air

Incompatibles: none identified

Decomposition Products: lead fumes, carbon monoxide, carbon dioxide

SECTION VII - SPILL & DISPOSAL PROCEDURES

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.

EPA Hazardous Waste Number: U146 (Toxic Waste)
L2521 - 05  
Effective: 03/09/92  
Lead sub-Acetate  
Issued: 07/10/93

SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT

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.

SECTION IX - STORAGE AND HANDLING PRECAUTIONS

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

Storage Requirements
Keep container tightly closed. Store in secure poison area.

SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

Domestic (D.O.T.)

Proper Shipping Name: Hazardous substance, solid, n.o.s. (Lead sub-Acetate)
Hazard Class: 6.1
UN/NA: UN2291 Reportable Quantity: 1 LBS. Packaging Group: III
Labels: KEEP AWAY FROM FOOD
Regulatory References: 49CFR 172.101

International (I.M.O.)

Proper Shipping Name: Lead compounds, soluble, n.o.s. (Lead sub-Acetate)
Hazard Class: 6.1
UN: UN2291 Marine Pollutants: Yes
Labels: HARMFUL - STOW AWAY FROM FOOD STUFFS
Regulatory References: 49CFR 172.12(b); IMDG Code
Lead sub-Acetate

Effective: 03/09/92
Issued: 07/10/93

SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION (CONTINUED)

AIR (I.C.A.O.)

Proper Shipping Name: Lead compounds, soluble, n.o.s. (Lead sub-Acetate)
Hazard Class: 6.1
UN: UN2291
Labels: HARMFUL - STOW AWAY FROM FOOD STUFFS
Packaging Group: III

Regulatory References: 49CFR 172.101; ICAO We believe the transportation data and references contained herein to be factual and the opinion of qualified experts. The data is meant as a guide to the overall classification of the product and is not package size specific, nor should it be taken as a warranty or representation for which the company assumes legal responsibility. The information is offered solely for your consideration, investigation, and verification. Any use of the information must be determined by the user to be in accordance with applicable Federal, State, and Local laws and regulations. See shipper requirements 49CFR 172.3 and employee training 49CFR 173.1.

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

Continued on Page: 8
Lead sub-Acetate

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
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.