



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

National Response In Canada
CANUTEC 613-996-6666

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

MATERIAL SAFETY DATA SHEET

FICHE
SIGNALÉTIQUE

HOJAS DE DATOS
DE SEGURIDAD

NOTE: CHEMTREC, CANUTEC and National Response Center emergency 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.

L2521 -05
Effective: 03/09/92

Lead sub-Acetate

Page: 1
Issued: 07/10/93

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

=====

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.: OF8750000
Product Use: Laboratory Reagent
Product Codes: 2290

=====

PRECAUTIONARY LABELING

=====

BAKER SAF-T-DATA* System

| HEALTH | FLAMMABILITY | REACTIVITY | CONTACT |
|------------------------|---------------|-----------------|-------------------|
| CANCER 3 SEVERE | 0 NONE | 1 SLIGHT | 2 MODERATE |

Laboratory Protective Equipment

| | | | |
|-------------|--------------|---------------|-------------------|
| GOGGLES | LAB COAT | VENT 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, on clothing. Do not breathe dust. Keep in tightly closed container. Use with adequate ventilation. Wash thoroughly after handling.



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

National Response In Canada
CANUTEC 613-996-6666

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

MATERIAL SAFETY DATA SHEET

FICHE
SIGNALÉTIQUE

HOJAS DE DATOS
DE SEGURIDAD

NOTE: CHEMTREC, CANUTEC and National Response Center emergency 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.

L2521 -05
Effective: 03/09/92

Lead sub-Acetate

Page: 2
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.

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 sub-Acetate | 1335-32-6 | 90-100 | 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: N/A

Vapor Pressure (mmHg): N/A

Melting Point: N/A

Vapor Density (air=1): N/A

Specific Gravity: N/A
(H₂O=1)

Evaporation Rate: N/A

Solubility(H₂O): Moderate (1-10%)

% 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 powder. Odorless.



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

National Response In Canada
CANUTEC 613-996-6666

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

MATERIAL SAFETY DATA SHEET

FICHE
SIGNALÉTIQUE

HOJAS DE DATOS
DE SEGURIDAD

NOTE: CHEMTREC, CANUTEC and National Response Center emergency 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.

L2521 -05
Effective: 03/09/92

Lead sub-Acetate

Page: 3
Issued: 07/10/93

=====
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

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

No information is available

Carcinogenicity: NTP: Yes IARC: Yes Z List: Yes OSHA Reg: Yes



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

National Response In Canada
CANUTEC 613-996-6666

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

MATERIAL SAFETY DATA SHEET

FICHE
SIGNALÉTIQUE

HOJAS DE DATOS
DE SEGURIDAD

NOTE: CHEMTREC, CANUTEC and National Response Center emergency 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.

L2521 -05
Effective: 03/09/92

Lead sub-Acetate

Page: 4
Issued: 07/10/93

=====
SECTION V - HEALTH HAZARD DATA (CONTINUED)
=====

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.



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

National Response In Canada
 CANUTEC 613-996-6666

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

MATERIAL SAFETY DATA SHEET

FICHE
 SIGNALÉTIQUE

HOJAS DE DATOS
 DE SEGURIDAD

NOTE: CHEMTREC, CANUTEC and National Response Center emergency 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.

L2521 -05
 Effective: 03/09/92

Lead sub-Acetate

Page: 5
 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)



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

National Response In Canada
CANUTEC 613-996-6666

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

MATERIAL SAFETY DATA SHEET

FICHE
SIGNALÉTIQUE

HOJAS DE DATOS
DE SEGURIDAD

NOTE: CHEMTREC, CANUTEC and National Response Center emergency 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.

L2521 -05
Effective: 03/09/92

Lead sub-Acetate

Page: 6
Issued: 07/10/93

=====
SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT
=====

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

Respiratory Protection: None required where adequate ventilation conditions exist. If airborne concentration exceeds TLU, 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 I.M.O. Page: 6170
UN: UN2291 Marine Pollutants: Yes Packaging Group: III
Labels: HARMFUL - STOW AWAY FROM FOOD STUFFS
Regulatory References: 49CFR 172.12(b); IMDG Code



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

National Response In Canada
CANUTEC 613-996-6666

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

MATERIAL SAFETY DATA SHEET

FICHE
SIGNALÉTIQUE

HOJAS DE DATOS
DE SEGURIDAD

NOTE: CHEMTREC, CANUTEC and National Response Center emergency 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.

L2521 -05
Effective: 03/09/92

Lead sub-Acetate

Page: 7
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 Packaging Group: III

Labels: HARMFUL - STOW AWAY FROM FOOD STUFFS

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

0020



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

National Response In Canada
 CANUTEC 613-996-6666

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

MATERIAL SAFETY DATA SHEET

FICHE
 SIGNALÉTIQUE

HOJAS DE DATOS
 DE SEGURIDAD

NOTE: CHEMTREC, CANUTEC and National Response Center emergency 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.

L2521 -05
 Effective: 03/09/92

Lead sub-Acetate

Page: 8
 Issued: 07/10/93

=====

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.

 COPYRIGHT 1993 J.T.BAKER INC.
 * TRADEMARKS OF J.T.BAKER INC.

===
 Approved by Quality Assurance Department.