

### SECTION 1: PRODUCT DESCRIPTION

**PRODUCT IDENTIFIER**

Product form: Solid  
 Product Name: Lead Babbitt  
 Formula: Sn/Sb/Pb  
 Synonyms: N/A

**SUPPLIER**

**NATHAN TROTTER & COMPANY**  
**241 W. STEWART HUSTON DRIVE**  
**COATESVILLE, PA 19320**  
**PH. 610-524-1440**  
**FX. 610-524-2496**

**INTENDED USE OF PRODUCT**

Use: Industrial; professional use only

**EMERGENCY TELEPHONE NUMBER**

CHEMTREC 24 HR Emergency number: 1-800-424-9300  
 INTERNATIONAL CHEMTREC call: 1-703-527-3887

### SECTION 2: HAZARD IDENTIFICATION

GHS CLASSIFICATION: Acute toxicity, category 3,  
 Carcinogenicity, category 2, Specific target organ toxicity, repeated or prolonged exposure, category 2

# DANGER

**HAZARD STATEMENTS:**

- H301: Acute Toxicity - Oral Category 3,
- H302: Harmful if swallowed.
- H333: Acute Toxicity - Inhalation Vapor Category 4
- H350: May cause cancer.
- H360: Suspected of damaging fertility or the unborn child.
- H371: Target Organ Toxicity - Repeated exposure Category 2
- H372: 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 STATEMENTS:**

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P260: Do not breathe dust/fumes/gas/mist/vapors/spray
- P264: Wash hands thoroughly after handling
- P270: Do not eat, drink or smoke when using product
- P271: Use only outdoors or in well ventilated area
- P273: Avoid release to the environment.
- P301 + P312: IF SWALLOWED: Call a POISON CONTROL center or doctor if you feel unwell
- P304: If inhaled, remove person to fresh air and keep comfortable for breathing
- P308+P313: If exposed or concerned: Get medical advice/attention.
- P312: Call a POISON CONTROL CENTER/DOCTOR if you feel unwell
- P314: Get medical advice/attention if you feel unwell.
- P330: Rinse mouth
- P391: Collect spillage.
- P405: Store locked up
- P501: Dispose of in accordance with local and federal regulations. Always contact a permitted waste disposer to assure compliance.
- P330: Rinse mouth

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE			
Name	Product Identifier	%	Classification (GHS-US)
Tin, Metal	7440-43-9	0.08-15	Not Classified
Antimony, Metal	7440-36-0	0-20	See section 2
Lead, Metal	7439-92-1	70-100	Carc, 1B, H302, H350, H360 1, H372 1, H400 1, H410 1

## SECTION 4: FIRST AID MEASURES

**General First-aid Measures:** Under normal handling and use, exposure to solid forms of this material present few health hazards. Subsequent operations such as grinding, melting or welding may produce hazardous dust or fumes which can be inhaled or come in contact with the skin or eyes.

**INHALATION:** Remove to fresh air, keep warm and quiet, give oxygen if breathing is difficult. Seek immediate medical attention. Treat pulmonary edema as a priority, even if no symptoms (i.e. wheezing, coughing, shortness of breath, etc.) are apparent. Symptoms of pulmonary edema can be delayed up to 48 hours after exposure. Quickly transport victim to an emergency care facility.

**INGESTION:** Rinse mouth with water. Do not induce vomiting. Seek immediate medical attention. Never induce vomiting or give anything by mouth to an unconscious person. Ingested cadmium may lead to spontaneous vomiting. If vomiting occurs naturally, have victim rinse mouth with water again.

**SKIN:** Remove contaminated clothing, wash affected area with soap and water. Seek medical attention. Wash contaminated clothing before reusing. **Molten Metal:** Flush contact area to solidify and cool but do not attempt to remove encrusted material or clothing. Cover burns and seek medical attention immediately.

**EYES:** Flush eyes with lukewarm water, including under upper and lower eyelids, for at least 15 minutes. Seek medical attention.

## SECTION 5: FIRE FIGHTING PROCEDURES

**Extinguishing Media:** Use dry chemical, CO2 or appropriate foam, Water spray.

**FIRE FIGHTING METHODS AND PROTECTION:** Use dry chemical or cover with a dry sand or lime. Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

**FIRE AND/OR EXPLOSION HAZARDS:** Fire or excessive heat may produce hazardous decomposition products. Avoid dusting. May become explosive when dispersed in air.

**HAZARDOUS COMBUSTION PRODUCTS:** Antimony, Metal Oxides.

## SECTION 6: SPILL OR LEAK MEASURES/PROCEDURES

### STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid creating and inhaling dust. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation, collect spillage.

## SECTION 7: HANDLING AND STORAGE

### HANDLING:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Keep container tightly closed in a cool, well-ventilated place. Keep container dry. Do not breathe gas/fumes/vapor/spray.

**STORAGE:** Store locked up. Keep container tightly closed in a cool, well-ventilated place.

**STORAGE CODE:** Green - general chemical storage.

## SECTION 8: PROTECTION INFORMATION

### CHEMICAL NAME:

	<u>TWA</u>	<u>ACGIH</u>	<u>STEL</u>	<u>TWA</u>	<u>OSHA PEL</u>	<u>STEL</u>
TIN, METAL	2 MG/M3		N/A	2 µg/m3		N/A
LEAD, METAL	0.05 MG/M3		N/A	50 µg/m3		N/A
ANTIMONY, METAL	0.05 MG/M3		N/A	50 µg/m3		N/A

**CONTROL PARAMETERS/ ENGINEERING MEASURES:** Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Heat resistant gloves, safety boots, eye wash, safety shower.

**RESPIRATORY PROTECTION:** No respiratory protection required under normal conditions of use. Respiratory protection may be required in addition to ventilation depending upon conditions of use.

**EYE PROTECTION:** Wear safety glasses when handling this product. Have an eye wash station available.

**SKIN PROTECTION:** Avoid skin contact by wearing heat resistant gloves, and other protective equipment depending upon conditions of use. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.

**GLOVES:** Heat resistant gloves.

## SECTION 9: PHYSICAL DATA

**FORMULA:** Sn/Pb/Sb

**MOLECULAR WEIGHT:** No data available

**APPEARANCE:** Silvery-Gray Metal

**ODOR:** Odorless

**PHYSICAL STATE:** Solid

**pH:** No data available

**MELTING POINT:** 360-620°F

**BOILING POINT:** 2984°F

**FREEZING POINT:** No data available

**FLAMMABILITY:** No data Available

**FLASH POINT:** No data available

**AUTO IGNITION TEMPERATURE:** No data available

**DECOMPOSITION TEMPERATURE:** No data available

**VAPOR PRESSURE :** No data available

**SPECIFIC GRAVITY:** No data available

Insoluble in water

## SECTION 10: REACTIVITY DATA

**REACTIVITY:** No data.

**CHEMICAL STABILITY:** Stable under recommended handling and storage conditions. (see section 7)

**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous polymerization will not occur.

**CONDITIONS TO AVOID:** None known. Avoid creating and inhaling dust. Keep away from oxidizing materials and strong acids. Store in a cool dry place. Isolate from incompatible material.

**INCOMPATIBLE MATERIALS:** Strong Acids, strong oxidizers, Tin Compounds, Chlorine, Halogens, Bromine, Trifluoride, strong acids, strong oxidizing agents, Sulfur, Alkali, and Alkaline metals.

## SECTION 11: TOXICITY DATA

**ROUTES OF ENTRY:** Inhalation, ingestion, eye or skin contact.

**SYMPTOMS (ACUTE):** Respiratory disorders, Cardiovascular system, Gastrointestinal.

**DELAYED EFFECTS:** No data available

### ACUTE TOXICITY:

<b>CHEMICAL NAME:</b>	<b>CAS NUMBER</b>	<b>ORAL LD50</b>	<b>DERMAL LD50</b>	<b>INHALATION LC50</b>
Tin, Metal	7440-31-5	N/A	N/A	N/A

### CARCINOGENICITY:

<b>CHEMICAL NAME:</b>	<b>CAS NUMBER</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
Tin, Metal	7440-31-5	N/A	N/A	N/A

### ACUTE TOXICITY:

<b>CHEMICAL NAME:</b>	<b>CAS NUMBER</b>	<b>ORAL LD50</b>	<b>DERMAL LD50</b>	<b>INHALATION LC50</b>
Lead, Metal	7439-92-1	N/A	N/A	N/A

### CARCINOGENICITY:

<b>CHEMICAL NAME:</b>	<b>CAS NUMBER</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
Lead, Metal	7439-92-1	2A	Human Carcinogenic	

### ACUTE TOXICITY:

<b>CHEMICAL NAME:</b>	<b>CAS NUMBER</b>	<b>ORAL LD50</b>	<b>DERMAL LD50</b>	<b>INHALATION LC50</b>
Antimony, Metal	7440-36-0	Rat 100mg	N/A	N/A

### CARCINOGENICITY:

<b>CHEMICAL NAME:</b>	<b>CAS NUMBER</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
Antimony, Metal	7440-36-0	N/A	N/A	

### CHRONIC EFFECTS:

**MUTAGENICITY:** No evidence of a mutagenic effect.

**TERATOGENICITY:** Evidence of a teratogenic effect (Birth defect) (Lead)

**SENSITIZATION:** No evidence of a sensitization effect.

**REPRODUCTIVE:** Evidence of negative reproductive effects.

### TARGET ORGAN EFFECTS:

**ACUTE:** See section 2

**CHRONIC:** Mutation data cited, Teratogen data cited, Listed by NTP, IARC as causing Cancer.

## SECTION 12: ECOLOGICAL DATA

**OVERVIEW:** Moderate ecological hazard. This product may be dangerous to plants and/or wildlife. Highly/very toxic to fish and other water organisms.

**MOBILITY:** N/A

**PERSISTENCE:** N/A

**BIOACCUMULATION:** N/A

**DEGRADABILITY:** N/A

**OTHER ADVERSE EFFECTS:** N/A

<b>CHEMICAL NAME:</b> TIN, METAL	<b>CAS NUMBER</b> 7440-31-5	<b>ECO TOXICITY</b> N/A
<b>CHEMICAL NAME:</b> LEAD, METAL	<b>CAS NUMBER</b> 7439-92-1	<b>ECO TOXICITY</b> Not available
<b>CHEMICAL NAME:</b> ANTIMONY, METAL	<b>CAS NUMBER</b> 7440-36-0	<b>ECO TOXICITY</b> 96 HR LC50 ONCORHYNCHUS MYKISS 1.32 MG/L 48 HR EC50 WATER FLES 600 µG/L

## SECTION 13: DISPOSAL INFORMATION

**DISPOSAL METHODS:** Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance

**WASTE DISPOSAL CODE(S):** Not determined

## SECTION 14: TRANSPORT INFORMATION

### GROUND- DOT PROPER SHIPPING NAME:

UN number 3077 Class 9 packaging group: III Proper shipping name: Environmentally hazardous substances, solid, n.o.s. (Lead group entry Annex I) Reportable Quantity (RQ): 10lbs  
Marine pollutant: Poison Inhalation Hazard: No

### AIR- IATA PROPER SHIPPING NAME:

UN number 3077 Class 9: Packing Group: III Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Lead group entry Annex I)

# SECTION 15: REGULATORY INFORMATION

**TSCA STATUS:** All components in this product are on the TSCA Inventory.

CHEMICAL NAME:	CAS NUMBER	§ 313 NAME	§ 313 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
Tin, Metal	7439-92-1	Tin	No	No	No	No

CHEMICAL NAME:	CAS NUMBER	§ 313 NAME	§ 313 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
Lead, Metal	7439-92-1	Lead	No	10lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of solid metal released is >100 µm);4.54kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal is >100µm)	No	No

CHEMICAL NAME:	CAS NUMBER	§ 313 NAME	§ 313 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
Antimony, Metal	7440-36-0	Antimony	No	500lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of solid metal released is >100 µm); 2270kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal is >100µm)	No	No

## SECTION 16: ADDITIONAL INFORMATION

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The information contained in this document is based on the state of our knowledge at the time of publication and is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Nathan Trotter makes no representation, warranty, or guarantee of any kind with respect to the information contained in this document or any use of the product based on this information. Nathan Trotter shall not be held liable for any damages resulting from handling or from contact with the above product. Users should satisfy themselves that they have all current data relevant to their particular use.

### GLOSSARY:

**NTP:** National Toxicology Program

**OSHA:** Occupational Safety and Health Administration

**PEL:** Permissible Exposure Limit

**PPM:** Parts per million

**RCRA:** Resource Conservation and Recovery Act

**SARA:** Superfund Amendments and Reauthorization Act

**TLV:** Threshold Limit Value

**TSCA:** Toxic Substances Control Act

**ACGIH:** American Conference of Governmental Industrial Hygienists

**CAS:** Chemical Abstract Service Number

**CERCLA:** Comprehensive Environmental Response, Compensation, and Liability Act

**DOT:** U.S. Department of Transportation

**IARC:** International Agency for Research on Cancer

**N/A:** Not Available