

# PRODUCT SAFETY DATA SHEET

**Product name: SOFT LEAD PRODUCTS**

SDS Version: 1.1  
Revision date: 3/29/2016

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

**Product name: SOFT LEAD PRODUCTS**

<b>Lead Security Seals</b>	<b>Lead Washers</b>
<b>Plain Lead Security Seals</b>	<b>Lead Castings</b>
<b>Lead and Wire Security Seals</b>	<b>Piano Key Weights</b>
<b>Lead Stampings</b>	

**Synonyms:** Lead Seals  
**Intended Use:** Security Seals; mechanical aids

**American Casting & Mfg, Corp**  
51 Commercial Street  
Plainview, NY 11803, USA  
Tel: +1 516 349 7010  
Fax: +516-349-8389  
Email: info@seals.com

**Emergency telephone number:**  
Hazmat Service, Inc.: 1-800-373-7542; International: +1-484-951-2432 (24/7)

## 2. HAZARDS IDENTIFICATION

### 2.1 Substance or mixture classification

**General Hazard Statement:** Solid metallic products are generally classified as "articles" and do not constitute hazardous materials in solid form under the OSHA Hazard Communication Standard (29 CFR 1910.1200). However, subsequent processing of this product such as: grinding, melting, welding, cutting, brazing or other processes may cause the release of dust, fumes or small particles that may produce potentially hazardous levels of airborne particulates which can be inhaled, swallowed, or come into contact with the skin or eyes.

#### **GHS Classification in accordance with 29 CFR 1910.1200(d)**

Carcinogenicity – Category 2B  
Toxic to Reproduction – Category 1B  
Specific Target Organ Toxicity – Repeated Exposure – Category 1 (central nervous system and organs)  
Eye Irritation – Category 2A  
Acute Toxicity – Category 4 (Oral)

### 2.2 GHS Label Elements

Pictogram



Signal Word

Danger

Hazard Statement(s)

Harmful if swallowed  
Suspected of causing cancer.  
May damage fertility or the unborn child  
Causes damage to the central nervous system and organs through prolonged or repeated exposure

Precautionary Statement(s)  
Prevention

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Do not breathe dust or mist.  
In case of inadequate ventilation wear respiratory protection.  
Do not eat, drink, or smoke when handling this product.  
Wash hands thoroughly after handling.  
Wear protective clothing and gloves protection.  
Contaminated clothing must not be allowed out of the work place.  
Avoid release to the environment.

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Response	<p><u>If on skin:</u> Wash with soap and water. <u>If skin or eye irritation occurs or persists:</u> Seek medical advice/attention. <u>If in eyes:</u> Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. <u>If inhaled:</u> If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: get medical advice/attention. <u>If swallowed:</u> Call poison control centre or doctor. <u>If exposed or concerned:</u> Get medical advice/attention. Wash contaminated clothing before reuse.</p>
Storage	Store in a controlled location, in a cool dry place.
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous Components:

Substance/mixture: Mixture

Chemical name	CAS No.	Concentration in Product
Lead	7439-92-1	97- 99.8%
Tin	7440-31-5	<3%

## 4. FIRST-AID MEASURES

### Description on necessary first aid measures

Inhalation:	Remove from exposure. Get medical attention if experience cough, irritation, or difficulty breathing.
Skin contact:	Wash skin thoroughly with soap and water after use. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Eye contact:	Flush with copious amounts of water. Seek medical attention if irritation persists.
Ingestion:	Do NOT induce vomiting. Immediately rinse mouth and drink plenty of water. If ingestion is suspected after rinsing mouth, seek hospital and bring along these instructions.

### Most Important symptoms/effects, acute and delayed:

Clinical manifestations of lead poisoning include weakness, irritability, asthenia, nausea, abdominal pain with constipation, and anemia.

### Over-exposure signs/symptoms:

Eye contact	No known significant effects or critical hazards.
Inhalation:	Adverse symptoms may include: Reduced fetal weight Increase in fetal deaths Skeletal malformations
Skin Contact:	Adverse symptoms may include: Reduced fetal weight Increase in fetal deaths Skeletal malformations
Ingestion:	Adverse symptoms may include: Reduced fetal weight Increase in fetal deaths Skeletal malformations

## 5. FIRE-FIGHTING MEASURES

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Extinguishing media: The product itself does not burn. Use extinguishing media appropriate to the environment.

Special hazards from chemical: None

Hazardous thermal decomposition products: Decomposition products may include the following materials:  
Meal oxide/oxides, fumes, vapour and/or dust.

### 6. ACCIDENTAL RELEASE MEASURES

Under normal handling conditions an accidental release is highly unlikely.

Personal precautions: Keep unauthorized persons away. For personal protection, see section 8. Avoid any exposure. Follow precautions for safe handling described in this safety data sheet.

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up: Move containers from spill area. Avoid dust generation. Dust and particulate matter should be vacuumed with a filtered vacuum or wet swept where vacuuming is not feasible. Do not use compressed air or dry sweeping as a means of cleaning. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal

### 7. HANDLING AND STORAGE

#### Precautions for safe handling:

Protective measures: Do not handle until all safety precautions have been read and understood.

Put on appropriate personal protective equipment (see Section 8).  
Avoid exposure during pregnancy.  
Do not get in eyes or on skin or clothing.  
Do not breathe dust. Do not ingest.  
Avoid release to the environment.  
Wear appropriate respirator when ventilation is inadequate.

Technical measures: Work practice should minimize contact. Do not eat, drink or smoke when using the product. Wash hands and face before eating. Do not store tobacco, food or beverage in work rooms or areas where the product is used. Remove contaminated clothing and PPE before entering eating areas or leaving the work place.

Technical measures for safe storage: Store in a cool, well ventilated place.

Storage conditions: Store locked up, in a cool, dry place.

Do NOT store with the following:  
Strong acids / Strong oxidizers

Specific end use: None other than those listed in Section 1.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	CAS No.	Value	Control Parameters	Basis
Lead	7439-91-1	TWA	0.05 mg/m <sup>3</sup>	NIOSH REL
		TWA	0.05 mg/m <sup>3</sup>	OSHA PEL
		TWA	0.05 mg/m <sup>3</sup>	ACGIH TLV
Tin	7440-31-5	TWA	2 mg/m <sup>3</sup>	NIOSH REL

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		TWA	2 mg/m <sup>3</sup>	OSHA PEL
		TWA	2 mg/m <sup>3</sup>	ACGIH TLV

## Precautions for handling:

Exposure controls:	Minimize the risk of contact with dust including inadvertent exposure from touching eyes with contaminated gloves or hands.
Eye protection:	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection:	Neoprene or nitrile apron, long sleeve shirt, full-length pants.
Hand Protection	Neoprene or nitrile gloves
Hygiene measures:	Wash hands and face after handling. When using do not eat, drink or smoke. In the event of contact with the product. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Launder contaminated clothing prior to reuse.
Environmental Exposure Controls:	None needed during normal handling operations.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Form: Solid (metal) Color: Bluish Grey
Odor:	None
Odor threshold	No data available
Specific gravity:	No data available
pH:	No data available
Melting point:	559°F
Initial Boiling point:	3164°F
Flash point:	No data available
Evaporation rate:	Slower than ether
Flammability:	No data available
Explosion limits:	No data available
Relative density:	11.3
Solubility:	Insoluble in water
Partition coefficient: (n-octanol/water)	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available

## 10. STABILITY AND REACTIVITY

Reactivity and Chemical Stability:	Stable under normal conditions of use. Avoid strong acids and strong oxidizers.
Conditions/materials to avoid:	Dust formation.
Hazardous decomposition products:	No data available

## 11. TOXICOLOGICAL INFORMATION

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**General Information:** The information included in this section describes the potential hazards of the hazardous components listed in Section 2.

Inhalation: No data available

Skin contact: No data available

Eye contact: No data available

Ingestion: No data available

Specific effects: No information available

Carcinogenicity: Lead

ACGIH – Confirmed Animal Carcinogen with Unknown Relevance to Humans (A3)

IARC - Possibly carcinogenic to humans (Group 2A)

NTP - Reasonably anticipated to be a human carcinogen

Reproductive Toxicity: Lead may damage the reproductive system and cause developmental damage.

## 12. ECOLOGICAL INFORMATION

**General Information:** The information included in this section describes the potential hazards of the hazardous components listed in Section 2.

Toxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Other adverse effects: No information available.

## 13. DISPOSAL CONSIDERATIONS

Dispose of waste and residues in accordance with local authority requirements.

## 14. TRANSPORT INFORMATION

No data available

## 15. REGULATORY INFORMATION

No data available

## 16. OTHER INFORMATION

**Date of SDS Preparation: 03/23/2016**

**Current Version Preparation: 03/29/2016**

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions. The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.