

**BADA COMPANY**  
**SAFETY DATA SHEET**

**HARD LEAD**  
**SECTION 1 GENERAL INFORMATION**

<b>TRADE NAME (COMMON NAME OR SYNONYM)</b>  Hard Lead, Antimonial Alloy	<b>DATE ISSUED</b>  02-16-87	<b>DATE REVISED</b>  02/16/2015
<b>MANUFACTURER'S CONTACT</b>  BADA 759 HENNESSY WAY BOWLING GREEN, KY 42101-9177		
Telephone: 270-781-1013		

**SECTION 2 HAZARD IDENTIFICATION**



Biological limit for lead: 50 micrograms lead/100 grams whole blood

OSHA Permissible Exposure Limits:        Stibine – 0.10 ppm  
  Arsine – 0.05 ppm

This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

**CAUTION: CANCER HAZARD:**

Contains Lead, a listed carcinogen. Lead is harmful if ingested. Wash thoroughly after using. Do not use this product while eating, drinking or using tobacco products. May cause chronic effects to gastrointestinal tract, CNS, kidneys, and blood. May cause birth defects.

**SECTION 3 COMPOSITION INFORMATION**

HAZARDOUS COMPONENTS	C.A.S.#	WEIGHT %	PERMISSABLE EXPOSURE LIMITS
Lead	7439-92-1	88 – 99%	0.05 mg/meter≥
Antimony	7440-36-0	0 – 12%	0.5 mg/meter≥
Arsenic*	7440-38-2	0 - 2%	0.01 mg/meter≥

\*Arsenic is classified as a carcinogen by OSHA 29CFR 1910.1018.

**SECTION 4 AND 11 FIRST AID ROUTES OF EXPOSURE**

INHALATION:	Remove from exposure. Get medical attention if experiencing effects of overexposure.
INGESTION:	Get immediate medical attention.
EYES:	Flush with large quantities of water. Get immediate medical attention.
SKIN:	Wash thoroughly with soap and water.

**\*\*\*\*\*DOES NOT APPLY WITH INTENDED USE \*\*\*\*\***

**SECTION 5 FIRE –FIGHTING MEASURES**

FLASH POINT	AUTO IGNITION TEMPERATURE	FLAMMABLE LIMITS IN AIR
Not applicable	Not applicable	Not applicable
<b>FIRE EXTINGUISHING MEDIA</b> Dry chemical or carbon dioxide should be used on surrounding fire. Do NOT use water on fires where molten metal is present.		
<b>SPECIAL FIRE FIGHTING PRECAUTIONS</b> Use approved full-facepiece, self-contained breathing apparatus and full protective clothing if involved in a fire.		
<b>UNUSUAL FIRE AND EXPLOSION HAZARD</b> Molten metals produce fume, dust, or mist that may be toxic.		

## SECTION 6 ACCIDENTAL RELEASE

<p><b>SPILL OR LEAK</b></p> <p>Dust or particulate should be vacuumed, or wet swept where vacuuming is feasible. Place dry material in dry, closed containers for disposal or recycling. Do not use compressed air or dry sweeping for cleaning. Use approved respiratory protection If dust/fume exposure possibility exists.</p>
<p><b>WASTE DISPOSAL METHOD</b></p> <p>Material should be recycled if at all possible. Collection, transportation, and storage should be in accordance with federal, state and local laws.</p>
<p><b>STORAGE</b></p> <p>Store in a dry area where accidental contact with hydrogen peroxide is not possible.</p>
<p><b>OTHER SPECIAL PRECAUTIONS/PROCEDURES</b></p> <p>Wash hands, face, neck, and arms thoroughly before eating or smoking. Eating and smoking should be confined to non-contaminated areas. Work clothes and equipment should remain in designated contaminated areas, and should never be taken home or laundered with personal clothing. Do not use compressed air for blowing dust off clothes. Before using the product, consult the OSHA Federal Standard for Occupational Exposure to Lead 29CFR1910.1025.</p>

## SECTION 7, 9 AND 10 HANDLING AND STORAGE

<p><b>STABILITY</b></p> <p>Stable</p>	<p><b>CONDITIONS TO AVOID</b></p> <p>Not applicable</p>	<p><b>HAZARDOUS POLYMERIZATION</b></p> <p>Not applicable</p>
<p><b>INCOMPATIBILITY</b></p> <p>Halogen gases, oxidizers or acids, or hydrogen peroxide may react violently. Under reducing conditions (strong acid or base and an active metal) or in the presence of nascent hydrogen, highly toxic stibine or argine gas may be evolved.</p>		
<p><b>HAZARDOUS DECOMPOSITION PRODUCTS</b></p> <p>Temperatures above the melting point may produce lead oxide dust and/or fumes.</p>		

**\*\*\*DOES NOT APPLY WITH INTENDED USE\*\*\***

**SECTION 8 PERSONAL PROTECTION EQUIPMENT**

<p><b>VENTILATION</b> Local exhaust ventilation must be provided in areas where exposures are above permissible limits or threshold values specified by OSHA or other local, state, and federal regulations.</p>
<p><b>RESPIRATORY PROTECTION</b> Use of approved (OSHA 29CFR1910.1025 (f) ) respirators is required for applications where adequate ventilation cannot be provided.</p>
<p><b>EYES AND FACE</b> Face shields or vented goggles should be used around molten metal. Safety glasses should be used for operations generating flying pieces.</p>
<p><b>GLOVES</b> Gloves should be worn when handling the product.</p>
<p><b>OTHER CLOTHING AND EQUIPMENT</b> Full protective clothing is required if the permissible exposure limit is exceeded. Hard hat, safety shoes, and other safety equipment should be worn as appropriate for the environment.</p>

**\*\*\*\*None of these apply with intended use\*\*\*\***

**SECTION 9 PHYSICAL DATA**

<p><b>APPEARANCE AND ODOR</b> Silver-gray metal, odorless. Various shapes and sizes.</p>	
<p><b>BOILING POINT</b> Greater than 2700 °F</p>	<p><b>MELTING POINT</b> 621 °F</p>
<p><b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1)</b> 9.7 – 11.3</p>	<p><b>VAPOR DENSITY</b> Not applicable</p>
<p><b>SOLUBILITY IN WATER</b> Negligible</p>	<p><b>VAPOR PRESSURE</b> Not applicable</p>
<p><b>EVAPORATE RATE</b> Not applicable</p>	<p><b>% VOLATILES BY VOLUME</b> Not applicable</p>

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