

Safety Data Sheet (SDS)

3/10/2025: File reviewed, more current MSDS/SDS not available. CAS

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Wood's Metal

**Signal Word**  
**DANGER**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-10487

Pictograms

**SECTION 2 — HAZARDS IDENTIFICATION**

Hazard class: Acute toxicity, inhalation (Category 2). Fatal if inhaled (H330). Do not breathe dust or fumes (P260).



Hazard class: Germ cell mutagenicity (Category 2). Suspected of causing genetic defects (H341). Obtain special instructions before use (P201). Do not handle until all safety precautions have been read and understood (P202). Use personal protective equipment as required (P281).



Hazard class: Carcinogenicity (Category 2). Suspected of causing cancer (H351). Obtain special instructions before use (P201). Do not handle until all safety precautions have been read and understood (P202). Use personal protective equipment as required (P281). Elemental lead is a possible human carcinogen (IARC-2B).

Hazard class: Reproductive toxicity (Category 1A). May damage fertility or the unborn child (H360).

Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).

Hazard class: Specific target organ toxicity, repeated exposure (Category 1). Causes damage to organs (H372).

**SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS**

Component Name	CAS Number	Formula	Formula Weight	Concentration
Bismuth	76093-98-6	Bi	208.98	50%
Lead	7439-92-1	Pb	207.21	25%
Tin	7440-31-5	Sn	118.71	12.5%
Cadmium	7440-43-9	Cd	112.41	12.5%
Synonyms: Ostalloy, Liposit'z metal				

**SECTION 4 — FIRST AID MEASURES**

**If exposed or concerned:** Get medical advice or attention (P308+P313).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). Immediately call a POISON CENTER or physician (P310).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If on skin:** Wash with plenty of water.

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell (P302+P301+P312).

**SECTION 5 — FIRE FIGHTING MEASURES**

Nonflammable solid.

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher.

**NFPA Code**  
None established

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## **SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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## **SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Inorganic #1. Store with metals and metal hydrides.

Keep container tightly closed (P233). Use only in a hood or well-ventilated area (P271).

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## **SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling. Use only in a hood or well-ventilated area (P271). Wear respiratory protection (P284).

Exposure guidelines: (as cadmium) PEL 0.005 mg/m<sup>3</sup> (OSHA) TLV 0.01 mg/m<sup>3</sup> (ACGIH)

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## **SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Silver-gray, dull, ductile metal. Odorless.

Melting point: 70 °C

Specific gravity: 9.6

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## **SECTION 10 — STABILITY AND REACTIVITY**

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Avoid as fume or dust. Avoid contact with acids.

Shelf life: Indefinite, if stored properly.

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## **SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Highly toxic. Stomach pains, vomiting, diarrhea, lung irritation, chest pain, and edema, which may be fatal.

ORL-RAT LD<sub>50</sub>: 2330 mg/kg (as cadmium)

IHL-RAT LC<sub>50</sub>: 25 mg/m<sup>3</sup>/30 m (as cadmium)

SKN-RBT LD<sub>50</sub>: N.A.

Chronic effects: Anemia, reproductive hazard, known carcinogen.

Target organs: Nerves, blood, kidneys, female/male reproductive system, lungs.

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## **SECTION 12 — ECOLOGICAL INFORMATION**

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Very toxic to aquatic life with long lasting effects.

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## **SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #27d is one option.

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## **SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

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## **SECTION 15 — REGULATORY INFORMATION**

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RCRA code D008.

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## **SECTION 16 — OTHER INFORMATION**

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N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

**Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.**

**Revision Date:** March 21, 2014

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