Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Onion's Fusible Alloy

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261
Chemtrec Emergency Phone Number: (800) 424-10078

SDS #: 564
Revision Date: March 25, 2014

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral and inhalation (Category 4). Harmful if swallowed or inhaled (H302+H332). Do not eat, drink or smoke when using this product (P270). Avoid breathing dust and fumes (P261).

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: Specific target organ toxicity, repeated exposure (Category 2). May cause damage to organs through prolonged or repeated exposure (H373). Do not eat, drink or smoke when using this product (P270).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS Number</th>
<th>Formula</th>
<th>Formula Weight</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bismuth</td>
<td>7440-69-9</td>
<td>Bi</td>
<td>208.98</td>
<td>50%</td>
</tr>
<tr>
<td>Lead</td>
<td>7439-92-1</td>
<td>Pb</td>
<td>207.19</td>
<td>30%</td>
</tr>
<tr>
<td>Tin</td>
<td>7440-31-5</td>
<td>Sn</td>
<td>118.69</td>
<td>20%</td>
</tr>
</tbody>
</table>

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.
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.

SECTION 5 — FIRE FIGHTING MEASURES

Noncombustible 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
SECTION 6 — ACCIDENTAL RELEASE MEASURES
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.

SECTION 7 — HANDLING AND STORAGE
Flinn Suggested Chemical Storage Pattern: Inorganic #1. Store with metals and metal hydrides.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION
Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling. Exposure guidelines: (as lead) PEL/TLV 0.05 mg/m³ (OSHA/ACGIH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES
Silvery-white metal. Odorless. Melting point: 92 °C (197 °F)

SECTION 10 — STABILITY AND REACTIVITY
Avoid contact with strong oxidizers. Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION
Acute effects: Convulsions, seizures, weakness, muscle cramps, methemoglobinemia. ORL-RAT LD₅₀: N.A. IHL-RAT LC₅₀: N.A.
Chronic effects: Anemia, reproductive hazard, probable carcinogen. SKN-RBT LD₅₀: N.A.
Target organs: Nerves, brain, blood, kidneys, female/male reproductive system

SECTION 12 — ECOLOGICAL INFORMATION
Very toxic to aquatic life with long lasting effects.

SECTION 13 — DISPOSAL CONSIDERATIONS
Please review all federal, state and local regulations that may apply before proceeding. Flinn Suggested Disposal Method #27d is one option.

SECTION 14 — TRANSPORT INFORMATION
Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

SECTION 15 — REGULATORY INFORMATION
Not listed.

SECTION 16 — OTHER INFORMATION
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N.A. = Not available, not all health aspects of this substance have been fully investigated.
Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.

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