SECTION 1: Identification of Product and Company

1.1. Product identifier
Trade name: SILVALOY® 752
Product code: A00000005
Recommended use: Alloys for brazing/soldering and other metallurgical processes

1.2. Company identification
Lucas-Milhaupt, Inc. 5656 South Pennsylvania Ave. 53110 Cudahy - USA
T (414)-769-6000
LM_SDSinfo@lucasmilhaupt.com - www.Lucasmilhaupt.com
Emergency number: CHEMTREC within the USA and Canada: 1-800-424-9300
CHEMTREC outside the USA and Canada +1 701-741-5970

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to GHS BR (ABNT NBR 14725)
Acute toxicity (oral), Category 5
Hazardous to the aquatic environment — Acute Hazard, Category 1

2.2. Label elements
GHS BR labelling
Hazard pictograms (GHS BR):

Signal word (GHS BR): Warning
Hazard statements (GHS BR): H303 - May be harmful if swallowed
H400 - Very toxic to aquatic life.
Precautionary statements (GHS BR): P273 - Avoid release to the environment.
P312 - Call a POISON CENTER or doctor if you feel unwell.
P391 - Collect spillage.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards not contributing to the classification
No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver</td>
<td>(CAS No.) 7440-22-4</td>
<td>74 - 76</td>
</tr>
<tr>
<td>Zinc</td>
<td>(CAS No.) 7440-66-6</td>
<td>24 - 26</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact: Wash skin with plenty of water.
First-aid measures after eye contact: Rinse eyes with water as a precaution.
First-aid measures after ingestion: Call a poison center or a doctor if you feel unwell. Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects after inhalation: May cause respiratory irritation.
4.3. Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Dry powder. Water spray. Foam.
Unsuitable extinguishing media: Water.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel


6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment: Collect spillage.
Methods for cleaning up: Mechanically recover the product.
Other information: Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Silver (7440-22-4)

| USA | ACGIH TWA (mg/m³) | 0.1 mg/m³ (dust and fume) |

Zinc (7440-66-6)

| USA | ACGIH TWA (mg/m³) | 2 mg/m³ (as ZnO) |

8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Environmental exposure controls: Avoid release to the environment.

8.3. Personal protective equipment

Hand protection: Protective gloves.
Eye protection: Safety glasses.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Solid
Appearance: White to light yellow metallic luster, various forms.
9.2. Other information
Not available

SECTION 10: Stability and reactivity

Chemical stability: Stable under normal conditions
Conditions to avoid: None under recommended storage and handling conditions (see section 7)
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced
Incompatible materials: Oxidizing agent, Strong acids, Strong bases
Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use
Reactivity: The product is non-reactive under normal conditions of use, storage and transport

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral): May be harmful if swallowed.
Acute toxicity (dermal): Not available
Acute toxicity (inhalation): Not available

ATE BR (oral) 3333.333 mg/kg bodyweight

Silver (7440-22-4)
LD50 oral rat > 5000 mg/kg
LD50 dermal rat > 2000 mg/kg

Zinc (7440-66-6)
LD50 oral rat 630 mg/kg

Skin corrosion/irritation: Not available
Serious eye damage/irritation: Not available
Respiratory or skin sensitisation: Not available
Germ cell mutagenicity: Not available
Carcinogenicity: Not available
Reproductive toxicity: Not available
STOT-single exposure: Not available
STOT-repeated exposure: Not available
Aspiration hazard: Not available

11.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation: May cause respiratory irritation.
## SECTION 12: Ecological information

### 12.1. Toxicity

<table>
<thead>
<tr>
<th>Ecology - general</th>
<th>Very toxic to aquatic life.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute aquatic toxicity</td>
<td>Very toxic to aquatic life.</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Not available</td>
</tr>
</tbody>
</table>

#### Silver (7440-22-4)

<table>
<thead>
<tr>
<th>LC50 1 fish</th>
<th>0.00155 - 0.00293 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 Daphnia 1</td>
<td>0.00024 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])</td>
</tr>
<tr>
<td>LC50 2 fish</td>
<td>0.0062 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])</td>
</tr>
</tbody>
</table>

#### Zinc (7440-66-6)

<table>
<thead>
<tr>
<th>LC50 1 fish</th>
<th>2.16 - 3.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 Daphnia 1</td>
<td>0.139 - 0.908 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])</td>
</tr>
<tr>
<td>LC50 2 fish</td>
<td>0.211 - 0.269 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static])</td>
</tr>
</tbody>
</table>

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.

## SECTION 14: Transport information

### 14.1 National and International Regulations

Not regulated for transport

### 14.2 Other information

No additional information available

## SECTION 15: Regulatory information

No additional information available

## SECTION 16: Other information

No additional information available

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SDS Brazil

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Lucas-Milhaupt, Inc.