

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) : 

GHS09

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

Name	Product identifier	%
Silver	(CAS-No.) 7440-22-4	74 - 76
Zinc	(CAS-No.) 7440-66-6	24 - 26

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

Emergency procedures : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray.

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/m ³)	0.1 mg/m ³ (dust and fume)
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Zinc (7440-66-6)

USA	ACGIH TWA (mg/m ³)	2 mg/m ³ (as ZnO)
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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.

SILVALOY® 752

Safety Data Sheet

According to ABNT NBR 14725-4

*** DRAFT ***

Colour	: Not available
Odour	: Not available
Odour threshold	: Not available
pH	: Not available
Melting point	: 1345 °F
Freezing point	: Not applicable
Boiling point	: Not available
Flash point	: Not applicable
Relative evaporation rate (butylacetate=1)	: Not available
Flammability (solid, gas)	: Not available
Explosive limits	: Not applicable
Vapour pressure	: Not available
Relative vapour density at 20 °C	: Not available
Relative density	: Not applicable
Solubility	: Not available
Log Kow	: Not available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not available

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
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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
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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.
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life.
Acute aquatic toxicity : Very toxic to aquatic life.
Chronic aquatic toxicity : Not available

Silver (7440-22-4)

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

Zinc (7440-66-6)

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

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

SDS Brazil

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