

SDS
SLD Eutectic Silver Solder



Thompson Enamel

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SECTION 1: Identification of the substance/mixture and of the company

Product Name: SLD Eutectic Silver Solder

Identified uses: Soldering

Synonyms: Solder

Supplier: Thompson Enamel

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SECTION 2: Hazards identification

Classification of the substance or mixture: Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements: Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3: Composition/Information on ingredients

Formula : Mixture

Chemical: Ag

CAS-No. : 7440-22-4

Chemical: Cu

CAS-No:7440-50-8

SECTION 4: First aid measures

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. In case of skin contact Wash off with soap and plenty of water.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Silver/silver oxides

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Further information:

No data available

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.

For personal protection see section 8. 6.2

Environmental precautions No special environmental precautions required.

Methods and materials for containment and cleaning up Sweep up and shovel. Keep in suitable, closed containers for disposal

SECTION 7: Handling and storage

Precautions for safe handling: Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Air sensitive. Storage class (TRGS 510): Non Combustible Solids

SECTION 8: Exposure Controls/Personal protection

Control parameters:

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Silver	7440-22-4	TWA 0.010000	mg/m ³	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA 0.010000	mg/m ³	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA 0.100000	mg/m ³	USA. ACGIH Threshold Limit Values (TLV) Remarks Argyria
		TWA 0.010000	mg/m ³	USA. NIOSH Recommended Exposure Limits
		TWA 0.010000	mg/m ³	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA 0.010000	mg/m ³	USA. NIOSH Recommended Exposure Limits
		TWA 0.100000	mg/m ³	USA. ACGIH Threshold Limit Values (TLV) Argyria
		TWA 0.010000	mg/m ³	USA. NIOSH Recommended Exposure Limits

Appropriate engineering controls: General industrial hygiene practice.

Personal protective equipment:

Eye/face protection Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

SECTION 9: Physical and chemical properties

Solid

Appearance Form: Wire

Odor: No data available

Odor Threshold: No data available

pH: No data available

Melting point/freezing point Melting point/range: 960 °C (1,760 °F) - lit.

Initial boiling point and boiling range 2,212 °C (4,014 °F) - lit.

Flash point No data available

Evaporation rate No data available

Flammability (solid, gas) No data available

Upper/lower flammability or explosive limits No data available

Vapor pressure No data available

Vapor density No data available

Relative density 10.49 g/mL

Water solubility No data available

Partition coefficient: noctanol/water No data available

Auto-ignition temperature No data available

Decomposition temperature No data available
Viscosity No data available
Explosive properties No data available
Oxidizing properties No data available

SECTION 10: Stability and reactivity

Reactivity: No data available
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: No data available
Conditions to avoid: No data available
Incompatible materials: Oxygen, Strong acids and strong bases

SECTION 11: Toxicological information

Acute toxicity LD50 Oral - Rat - male - > 5,000 mg/kg Inhalation: No data available
Dermal: No data available No data available
Skin corrosion/irritation No data available
Serious eye damage/eye irritation No data available
Respiratory or skin sensitisation No data available
Germ cell mutagenicity No data available
Carcinogenicity Carcinogenicity - Rat - Unreported
Tumorigenic: Tumors at site or application.
Carcinogenicity classification not possible from current data.
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity No data available No data available
Specific target organ toxicity - single exposure No data available
Specific target organ toxicity - repeated exposure No data available
Aspiration hazard No data available
Additional Information
RTECS: Not available
May cause argyria

SECTION 12: Ecological information

Toxicity No data available
Persistence and degradability No data available
Bioaccumulative potential No data available
Mobility in soil No data available

SECTION 13: Disposal considerations

Product Offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging
Dispose of as unused product.

SECTION 14: Transportation information

This product is not Department of Transportation (DOT) regulated.

SECTION 15: Regulatory information

SARA 302 Components No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components The following components are subject to reporting levels established by SARA Title III, Section 313: Silver CAS-No. 7440-22-4 Revision Date 1993-04-24 SARA 311/312 Hazards No SARA Hazards

SECTION 16: Other information

References

DOT Department of Transportation
OSHA Occupational Safety and Health Administration
CAS Chemical Abstracts Service
TSCA Toxic Substances Control Act

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

The information and recommendations contained in this SDS have been compiled from sources believed to be reliable and to represent current opinion on the subject when the SDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.

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