

RELIABLE CORPORATION

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SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: Sterling / Coin Silver

Recommended Use: Products are solid metals supplied in various form factors.

Supplier:

Reliable Silver Corporation
302 Platts Mill Rd
Naugatuck, CT 06770

Current SOS Preparation Date: May 19, 2016

Emergency Phone Number: 203-574-7732

SECTION 2: HAZARD IDENTIFICATION

Classification:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCA)

Non-hazardous in solid bulk form

Dust or fine turnings may cause respiratory irritation (Category 3) H335

Dust or fine turnings may cause eye irritation (Category 2) H319

Metal fume may be harmful if inhaled (Category 5) H333

Label elements and precautionary statements:

Signal Word: Warning

Pictogram(s):



Hazard Statement(s):

Bulk solid material is non-hazardous

Hazard statement(s) for dust or fine turnings:

H319 May cause eye irritation

H335 May cause respiratory irritation

Hazard statement(s) for metal fume:

H333 May be harm if inhaled

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Precautionary statement(s):

For dust or fine turnings:

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking

P242 Use only non-sparking tools

P243 Take precautionary measures using static discharge

P264 Wash skin thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection

P305 + P351 + P338 IF IN EYES: Rinse with water for 15 minutes.

Remove contact lenses, if present and continue rinsing.

P342 + P311 If experiencing respiratory symptoms call a poison center or physician

P370 + P378 In case of fire: Use dry sand, dry chemical, CO2 or class D extinguisher.

For metal fume:

P260 Do not breathe dust/fume/gas/mist/vapor/spray

P285 In case of adequate ventilation wear respiratory protection

Hazard not otherwise classified: Dust or fine turning may be irritating to mucous membranes, respiratory tract or eyes upon contact.

Other hazards:

Not applicable

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Substance	CAS Number	% Weight	Classification
Silver	7440-22-4	35.0%-95.0%	H319, H335
Copper	7440-50-8	5.0%-65.0%	H319, H335

Silver EC Number: 231-131-3

Copper EC Number: 231-159-6

SECTION 4: FIRST AID MEASURES

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Inhalation: Inhalation of dust or metal fume may cause Argyria, a blue-green discoloration of the skin, mucous membranes and eyes. Also, may cause irritation of the respiratory tract or metal fume fever with symptoms of fever, chills, nausea, chest tightness or metallic taste. If inhaled, remove from exposure, move to fresh air and seek immediate medical attention. Use mechanical ventilation or respiratory protection to avoid inhaling metal fumes.

Skin Contact: Localized Argyria may result from contact. Remove contaminated clothing. Thoroughly wash affected area with soap and water. Consult with doctor.

Eye Contact: May cause irritation. In the case of eye contact, flush with large amounts of water for at least 15 minutes and seek immediate medical attention.

Ingestion: If ingested, may cause generalized Argyria, and may irritate gastrointestinal tract. Seek emergency medical attention.

- Exposure to dust or metal fumes may irritate respiratory system and result in metal fume fever.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray, alcohol resistance foam, dry chemical, or CO₂ extinguisher.

Unsuitable extinguishing media: No data available.

Hazardous Combustion Byproducts: No data available.

Special protective equipment and precaution for fire fighters: Use self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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Protective Equipment for Non-Emergency Personnel: Use appropriate personal protective equipment based on site conditions.

Emergency Procedures for Non-Emergency Personnel: Avoid breathing dust or metal fumes. Use adequate ventilation. Remove all ignition sources if dust is present. Note that dust and fine shavings may be flammable.

Protective Equipment for Emergency Responders: Use appropriate personal protective equipment based on site conditions.

Emergency Procedures for Emergency Responders: Control ignition sources and use non-sparking tools when handling dust or finely ground turnings which may be flammable.

Environmental Precautions: No special precautions for bulk solid. Do not let dust or turnings enter drains.

Methods and Material for Containment and Cleaning Up: Sweep up or shovel bulk solid and store in sealed container prior to disposal/recycle. Avoid static discharge when collecting dust or fine turnings which may be flammable.

For disposal: See Section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Further processing of solid material may generate combustible dust or turnings. Provide adequate ventilation and routine maintenance to prevent the buildup of combustible dust. Implement control measures to reduce the generation of static discharge where dust is created.

Conditions for safe storage, including incompatibilities: Keep container closed when not in use. Store in cool, well ventilated space. Incompatibilities include acetylene, ammonia, oxidizers, hydrogen peroxide, strong acids and bases.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with workplace control parameters:

Component: Silver

CAS Number: 7440-22-4

Value: PEL

Control Parameters: 0.01 mg/m³

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Basis: OSHA Permissible Exposure Limit, Table Z-1

Value: REL

Control Parameters: 0.01 mg/m³

Basis: NIOSH Recommended Exposure Limit

Value: TWA

Control Parameters: 0.1 mg/m³

Basis: USA. ACGIH Threshold Limit Value (TLV)

Component: Copper

CAS Number: 7440-50-8

Value: PEL

Control Parameters: 1 mg/m³ (dust or mist)

Basis: OSHA Permissible Exposure Limit Table Z-1

Value: PEL

Control Parameters: 0.1 mg/m³ (fume)

Basis: OSHA Permissible Exposure Limit Table Z-1

Value: REL

Control Parameters: 1 mg/m³ (dust or mist)

Basis: NIOSH Recommended Exposure Limit

Value: REL

Control Parameters: 0.1 mg/m³ (fume)

Basis: NIOSH Recommended Exposure Limit

Value: TWA

Control Parameters: 0.2 mg/m³ (fume)

Basis: USA ACGIH Threshold Limit Value (TLV)

Appropriate engineering controls: Provide local exhaust. Use good industrial hygiene practices. Keep dust and fume bulkup to a minimum. Avoid static discharge where dust or turnings are generated.

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Respiratory protection: Respiratory protection is not required when handling bulk solid materials. Where nuisance dusts are generated, use N95 or type P1 (EN143) dust mask. Use air purifying cartridge respirator equipped with an N100, R100 or P100 filters when exposed to metal fumes.

Eye Protection: Wear ANSI Z87.1 approved safety glasses with side shields.

Skin Protection: Wear leather or Kevlar gloves when handling metal stock to prevent cuts.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid metal, yellowish to white in color

Odor: No odor

Odor threshold: No data available

pH: No data available

Melting/freezing point: No data available

Initial boiling point: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability (solid, gas): No data available

Upper/lower explosion limits: No data available

Vapor pressure: No data available

Vapor density: No data available

Relative density: No data available

Solubility: No data available

Partition coefficient octanol/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

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Reactivity: Stable under normal condition

Chemical stability: Stable under normal temperatures and pressures

Possibility of hazardous reactions: No data available

Conditions to avoid: Overheating during brazing, soldering or melting

Incompatible materials: Avoid acetylene, oxidizers, hydrogen peroxide, strong acids and bases

Hazardous decomposition products: No data available

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Exposure and Symptoms:

Skin Corrosion/Irritation: No data available

Serious Eye Damage/Irritation: No data available

Acute Toxicity: LD50 Oral – Rat > 5,000 mg/kg

Reproductive Effects: No data available

Specific Target Organ Toxicity (single exposure): No data available

Specific Target Organ Toxicity (repeated exposure): No data available

Respiratory or Skin Sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% has been identified as a probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA

Aspiration Hazard: No data available

SECTION 12: ECOLOGICAL INFORMATION

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Toxicity: No data available

Persistence and degradability: No data available

Bio-accumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: No data available

Other adverse effects: No data available

SECTION 13: DISPOSABLE CONSIDERATIONS

Waste Treatment Methods: Surplus materials may have reclaim value. Dispose of unsalvageable material in accordance with applicable Federal, State/Provincial, and Local Regulations. Subject to federal disposal regulations. US EPA 40 CFR 262.

SECTION 14: TRANSPORT INFORMATION

Not regulated as a dangerous good per U.S. DOT 49 CFR 171-180 or UN Dangerous Goods List

UN proper shipping name: Not applicable

UN Number: Not assigned

Transport hazard class: Not regulated – no hazard assigned

Packing Group: Not applicable

Environmental Hazards: No data available

Transport in Bulk: Not applicable

Special precautions for user: No special precautions

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for substance or mixture

CERCLA Sections 102a/103 Hazardous Substances (40 CFR 302.04): Not regulated

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

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SARA 311/312 Hazards: Silver and copper are subject to reporting under SARA Title II, Sections 311/312

SARA 313 Components: Silver and copper are subject to reporting under SARA Title III, Section 313

Massachusetts Right to Know Components:

Silver: CAS No. 7440-22-4

Copper: CAS No. 7440-50-8

Pennsylvania Right to Know Components:

Silver: CAS No. 7440-22-4

Copper: CAS No. 7440-50-8

New Jersey Right to Know Components:

Silver: CAS No. 7440-22-4

Copper: CAS No. 7440-50-8

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

NFPA Rating

Health Hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

HMIS Rating

Health Hazard: 0

Flammability: 0

Physical Hazard: 0

*This information is based upon our current understanding of this product and is solely intended for this product

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