SAFETY DATA SHEET

SDS Name: Sil Sol 0% Phos-Copper Brazing Rod

SolderWeld, Inc.

SECTION I: Indentification of the substance/mixture and the company

1.1 Product Identifier

Product name: Sil Sol 0% Phos-Copper Brazing Rod

1.2 Relevant Identified uses of the substance and uses advised against

1.2.1 Relevant identified uses

Main use category	:	Professional Use
Industrial/Professional use spec	:	For Professional use only
Use of substance	:	Brazing, soldering, and welding products, flux products

1.2.2 Uses advised against

No additional information available

1.3 Details of Supplier of the Safety Data Sheet

SolderWeld, Inc.
2050 N 300 W #72
Spanish Fork, UT 84660
USA
800-356-8449
info@solderweld.com

1.4 Emergency Telephone Number

Emergency Number : 001-800-424-9300 (Chemtrec)

SECTION 2: Hazards Identification

2.1 Classification of the substance

Classification according to regulation (EC) No. 1272/2008 [CLP]

Not classified

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Child resistant fastening	: No
Tactile warning	: No

2.3 Other Hazards

Adverse physicochemical, human health and environmental effects	: To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.
Other hazards not contributing to the classification	: None under normal conditions

SECTION 3: Hazards Identification

3.1 Mixture

Component	Product Indentifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Copper and/or copper alloys and compounds (as Cu)	(CAS No.) 7440-50-8	50-<100%	Not classified
Phosphorus	(CAS No.) 7723-14-0	5-<10%	Not classified

Full text of H-statements : see section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

First aid measures general: If you feel unwell, seek medical advice. (show label where possible)

First aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing, seek medical advice.

First aid measures after skin contact: Wash skin with plenty of water. If skin irritation rash occurs: Get medical advice/attention.

First aid measures after eye contact: Rinse eyes cautiously with water for several minutes. If eye irritation persists. Get medical attention/advice.

First aid measures after ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If large quantities are ingested, Get medical attention/advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: Repeated or prolonged contact may cause slight irritation to the skin.

Symptoms/injuries after eye contact: Dust from this product may cause eye irritation.

Symptoms/injuries after ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Dry Powder

5.2 Special hazards arising from the mixture

Fire hazard: The product is not flammable.

Explosion hazard: Product is not explosive

Reactivity in case of fire: Not known

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3 Advice for firefighters

Precautionary measure fire:	No special measures required
Firefighting instructions:	Use extinguishing media appropriate for surrounding fire.
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

General measures: Avoid release to the environment

7.2 Conditions for safe storage, including any incompatibilities

6.1.1 For non-emergency personnel

Protective equipment:	Wear suitable protective clothing, gloves and eye or face protection.
Emergency procedures:	Ventilate area. Avoid contact with skin and eyes. Avoid breathing dust/fume.
Measures in case of dust release:	Where excessive dust may result, use approved respiratory protection equip.

6.1.2 For emergency responders

Protective equipment:	Do not attempt to take action without suitable protective equipment. Wear suitable protective clothing, gloves and eye or face protection. For further information refer to section 8: “Exposure controls/personal protection”. Avoid contact with skin and eyes. Avoid breathing dust/fume.
Emergency procedures:	Evacuate unnecessary personnel. Ventilate area.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

For containment:	No special measures required.
Methods for cleaning up:	Recover mechanically the product. This material and its container must be disposed of in a safe way and as per local legislation.
Other information:	Dispose of in accordance with relevant local regulations. This material and its container must be disposed of as hazardous waste.

6.4 Reference to other sections

For further information refer to section 8: “Exposure controls/personal protection”. For disposal of solid materials or residues refer section13: “Disposal considerations”.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling:	Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume.
Hygiene measures:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures:	Ensure adequate ventilation, especially in confined areas. Store locked up.
Storage conditions:	Store in well-ventilated place. Keep cool
Incompatible products:	Acetylene, ammonia, ammonium nitrate, aqua regia, dioxane, ethylene oxide, chlorine trifluoride, halogens, hydrogen peroxide, hydrazine, mononitrate, hydrazoic acid, hydroxylamine, hydrogen sulfide, performic acid, phosphorus, selenium, sulfur, titanium plus potassium chlorate, bromates chlorates and iodate of alkali and alkali earth metals.
Storage area:	Store in a well-ventilated area.
Packaging materials:	Keep only in original container.

7.3 Specific end use

Other hot work operations with metals.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Copper (7440-50-8)		
EU	Local name	copper, metallic
EU	IOELV TWA (mg/m3)	0.1 mg/m3

8.2 Exposure controls

Appropriate engineering controls:	Ensure good ventilation of the work station
Personal protective equipment:	Gloves. Protective goggles. Face shield. Protective clothing.
Materials for protective clothing:	Wear suitable protective clothing
Hand protection:	Protective gloves
Eye protection:	Safety glasses or face shield
Skin and body protection:	Wear suitable protective clothing
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equip.



Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Solid
Appearance:	Silver-gray alloy. Metallic wire, rod.
Color:	Copper
Odor:	Odorless
Odor Threshold:	No data available
pH:	No data available
Relative evaporation rate:	No data available
Melting point:	No data available
Freezing point:	Not applicable
Boiling point:	No data available
Flash point:	Not applicable
Auto-ignition temp:	Not applicable
Decomposition temperature:	No data available
Flammability (solid, gas):	Non flammable
Vapor pressure:	No data available
Relative vapor density at 20 C:	No data available
Relative density:	Not applicable
Solubility:	Insoluble in water
Log pow:	No data available
Viscosity, kinematic:	Not applicable
Viscosity, dynamic:	No data available
Explosive properties:	Product is not explosive
Oxidizing properties:	Oxidizing solids
Explosive limits:	Not applicable

9.2 Other information

No additional information available

SECTION 10: Stability and reactivity

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Safe under normal conditions

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

None under recommended storage and handling conditions (see section 7)

10.5 Incompatible materials

Strong acids. Strong oxidizing substances. Strong bases.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:	Not classified
Skin corrosion/irritation:	Not classified Contact dermatitis may result from direct exposure to the skin Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Long term exposure to brazing fume, gasses or dust may contribute to pulmonary irritation or pneumoconiosis
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
Specific target organ toxicity (single exposure):	Not classified
Specific target organ toxicity (repeated exposure):	Not classified

SECTION 12: Ecology information

12.1 toxicity

Ecology - general:	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment
Ecology- Water:	The product does not have any known adverse effect on the tested aquatic organisms.

12.2 Persistance and degradability

Persistence and degradability:	Not readily biodegradable

12.3 Bioaccumulative potential

Bioaccumulative potential:	Not established

12.4 Mobility in soil

Ecology - Soil:	Not established

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

Other adverse effects:	None known
Additional information:	No other effects known

SECTION 13: Disposal consideration

13.1 Waste treatment methods

Regional legislation (waste):	Disposal must be done according to official regulations
Waste treatment methods:	Dispose of contents/container in accordance with licensed collectors sorting instructions
Waste disposal recommendations:	Dispose of contents/container to a hazardous or special waste facility.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1 UN number

UN-No. (ADR)	Not applicable
UN-No. (IMDG)	Not applicable
UN-No. (IATA)	Not applicable
UN-No. (ADN)	Not applicable
UN-No. (RID)	Not applicable

14.2 UN proper shipping name

Proper shipping name (ADR)	Not applicable
Proper shipping name (IMDG)	Not applicable
Proper shipping name. (IATA)	Not applicable
Proper shipping name (ADN)	Not applicable
Proper shipping name (RID)	Not applicable

14.3 Transport hazard class(es)

ADR	
Transport hazard class(es)	Not Applicable
IMDG	
Transport hazard class(es)	Not Applicable
IATA	
Transport hazard class(es)	Not Applicable
ADN	
Transport hazard class(es)	Not Applicable
RID	
Transport hazard class(es)	Not Applicable

14.4 Packing group

Packing group (ADR)	Not applicable
Packing group (IMDG)	Not applicable
Packing group (IATA)	Not applicable
Packing group (ADN)	Not applicable
Packing group (RID)	Not applicable

14.5 Environmental hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance

15.1.1 EU-regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH- statements: No data available

*This information must be included in all SDS that are copied and distributed for this material.

Please retain this sheet for your files. SolderWeld, Inc. maintains a file of Safety Data Sheets (SDS) for each rods and fluxes produced in compliance with Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) & various right-to-know laws.

The information and recommendations contained within this publication have been compiled from sources believed to be reliable and to represent the best information available to SolderWeld, Inc. at the time of issue. It is our policy to include an SDS with initial orders for each product. This submission is to become a matter of record and need not accompany subsequent shipments for the same product to the same customer. The information contained on this sheet is intended solely for employee health and safety education and not for contract specification purposes. No warranty, guarantee, or representation is made by SolderWeld, Inc., nor does SolderWeld, Inc. assume any responsibility in connection there within; nor can it be assumed that all acceptable safety measures or other safety measures may not be required under particular or exceptional conditions or circumstances. Should you need additional information, contact us.