



SAFETY DATA SHEET

SDS Name: Sil Sol 5% Silver-Phos Rod
SolderWeld, Inc.

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

1.1 Product Identifier

Product name: Sil Sol 5%

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

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SECTION 3: Hazards Identification**3.1 Mixture**

Component	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
red phosphorus	(CAS No.) 7723-14-0 (EC no) 231-768-7 (EC index no) 015-002-00-7	5-7.25	Flam. Sol. 1, H228 Aquatic Chronic 3, H412
Silver substance with a community workplace exposure limit	(CAS No.) 7440-22-4 (EC no) 231-131-3	< 20	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.
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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 section 13: "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**

Silver (7440-22-4)		
EU	Local name	Silver, 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: Silver
 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: Flammability No data available
 (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 Not applicable
 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

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.

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
	Not classified
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 Persistence and degradability

Persistence and degradability:	Not readily biodegradable
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12.3 Bioaccumulative potential

Bioaccumulative potential:	Not established
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12.4 Mobility in soil

Ecology - Soil:	Not established
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12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

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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:

Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard, Category 3
Flam. Sol. 1	Flammable solids, Category 1
H228	Flammable solid
H412	Harmful to Aquatic life with long lasting effects

*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.