

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

### 1.1 Product identifier

**Trade name/designation** WSW SC L0 / WSW SC M1 - Solder Wire lead free Sn0.7Cu Flux L0/M1

### Other means of identification

SDS-41

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### Relevant identified uses

##### remark

Solder wire, Lötzinn, étain à souder, estano para soldar, stagno per saldature

### 1.3 Details of the supplier of the safety data sheet

#### Supplier

Weller Tools GmbH

Carl-Benz-Strasse 2

Germany-74354 Besigheim

Telephone: +49 7143 580-0

Telefax: +49 7143 580-108

E-mail: info@weller-tools.com

Dept. responsible for information: environmental department

Information telephone: +49 7143 580-101

Information telefax: +49 7143 580-108

### 1.4 Emergency telephone number

GIZ Mainz +49 6131 - 19240 (German, English, French)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

#### health hazards

Skin Sens. 1

#### hazard statements for health hazards

H317 May cause an allergic skin reaction.

#### health hazards

Resp. Sens. 1

#### hazard statements for health hazards

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### 2.2 Label elements

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

#### Hazard pictograms



GHS07

GHS08

#### Signal word

Danger

#### Hazard statements

##### hazard statements for health hazards

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### Precautionary statements

##### Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P285 In case of inadequate ventilation wear respiratory protection.

##### Response:

P302 + P352 IF ON SKIN: Wash with plenty of water/.

P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

## Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

## Supplemental Hazard information (EU)

### health hazard properties

EUH066 Repeated exposure may cause skin dryness or cracking.

## 2.3 Other hazards

### Adverse human health effects and symptoms

Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation). Inhalation of dust may cause irritation of the respiratory system.

### Adverse physicochemical effects

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

### Other adverse effects

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation. Processing vapours can irritate the respiratory tracts, skin and eyes.

## SECTION 3: Composition / information on ingredients

### 3.1/3.2 Substances/Mixtures

#### Description

tin-alloy, Zinn-Legierung, étain-alliage, aleación de estano, lega stannico

#### Hazardous ingredients

colophony

>=2,3 - <=3,7 %

CAS 8050-09-7

EC 232-475-7

INDEX 650-015-00-7

REACHNo 01-2119480418-31-\*

Skin Sens. 1, H317

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Remove contaminated, saturated clothing immediately. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

#### Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

#### Following skin contact

Do not peel solidified product off the skin. After contact with molten product, cool skin area rapidly with cold water. In case of skin irritation, consult a physician.

#### After eye contact

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

#### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

No data available

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>)

Extinguishing powder

Foam

Dry extinguishing powder

Sand

#### Unsuitable extinguishing media

Water

### 5.2 Special hazards arising from the substance or mixture

#### Hazardous combustion products

Carbon monoxide

Carbon dioxide (CO<sub>2</sub>)

## 5.3 Advice for firefighters

### Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

##### Personal precautions

Use personal protection equipment. Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction.

##### For emergency responders

##### Personal protection equipment

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### 6.2 Environmental precautions

Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

### 6.3 Methods and material for containment and cleaning up

No data available

### 6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Wash hands and face before breaks and after work and take a shower if necessary.

#### Protective measures

##### Advices on safe handling

Use only in well-ventilated areas. Do not breathe gas/fumes/vapour/spray.

Avoid:

Skin contact

Eye contact

##### Measures to prevent aerosol and dust generation

Vapours / aerosols should be extracted by suction directly at point of origin.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Hints on joint storage

##### Materials to avoid

Food and feedingstuffs

##### Storage class

13

##### Further information on storage conditions

Keep only in the original container in a cool, well-ventilated place.

### 7.3 Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

CAS No.	Substance name	LTV	STV	remark
7440-22-4	Silver, metallic	0,1 mg/m <sup>3</sup>		
7440-22-4	Silver, metallic	0,1 mg/m <sup>3</sup>		Great Britain (UK) Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] ~ European Union

LTV = long-term occupational exposure limit value

STV = short-term occupational exposure limit value

source: GESTIS International Limit Values (<http://limitvalue.ifa.dguv.de/>)

Monitoring and observation processes: GESTIS Analytical Methods (<http://amcaw.ifa.dguv.de/>)

## 8.2 Exposure controls

### Appropriate engineering controls

### Technical measures to prevent exposure

Technical measures and the application of adequate working methods take priority over the use of personal protection equipment.

### Personal protection equipment

#### Eye/face protection

#### Suitable eye protection:

Tightly sealed safety glasses.

#### Body protection:

#### Suitable protective clothing:

Apron

#### Respiratory protection

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.  
Filter P2

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

#### Physical state

solid

#### Colour

silver

#### Odour

odourless

	parameter	Method - source - remark
pH		not determined
Melting point/freezing point	227 °C	
Initial boiling point and boiling range		not determined
Flash point (°C)		not determined
Evaporation rate		not determined
flammability		not determined
Upper explosion limit		not determined
lower explosion limit		not determined
Vapour pressure	<0,1 mbar	Temperature 20 °C
Vapour density	6	20 °C
Relative density	7,3 g/cm³	Temperature 20 °C
Fat solubility (g/L)		not determined
Water solubility (g/L)		insoluble
Soluble (g/L) in		not determined
Partition coefficient: n-octanol/water		not determined
Auto-ignition temperature		not determined
Decomposition temperature		not determined

### 9.2 Other information

#### Solvent content (%)

**Value** 0 %

#### remark

VOC (EU) 0,00 %

#### Solid content (%)

**Value** 100 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

#### Materials to avoid

Acid

Oxidising agent, strong

### 10.6 Hazardous decomposition products

Carbon dioxide

Carbon monoxide

Gases/vapours, irritant

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### skin corrosion/irritation

##### Assessment/classification

Irritant.

#### Respiratory or skin sensitisation

##### Skin sensitisation

##### Assessment/classification

May cause sensitization by inhalation and skin contact.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Assessment/classification

No data available

### 12.2 Persistence and degradability

#### Assessment/classification

not readily biodegradable (according to OECD criteria)

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Appropriate disposal / Product

Dispose of waste according to applicable legislation. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

**Waste code product** 170406

**hazardous waste** No

**Waste name**

Tin

## SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	not applicable	not applicable	not applicable
14.2 Proper Shipping Name	not applicable	not applicable	not applicable

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.3 Class(es)	not applicable	not applicable	not applicable
14.4 Packing group	not applicable	not applicable	not applicable
14.5 ENVIRONMENTALLY HAZARDOUS	not applicable	not applicable	not applicable
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	not applicable	not applicable	not applicable

## Additional information

### All transport carriers

Not a hazardous material with respect to transportation regulations.

## SECTION 15: Regulatory information

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

#### EU legislation

#### Authorisations and/or restrictions on use

#### Restrictions of occupation

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

#### Other regulations (EU)

#### Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

##### Entry in Annex I, Part 2

none

### 15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### Relevant R-, H- and EUH-phrases (Number and full text)

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### Key literature references and sources for data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.