

Material Safety Data Sheet

Trade Name: Solder Cream SP 310 TSC

Product-No.:

Issued: 11.11.2003

Site1(3)

1. Chemical Identification

Trade name: **Solder Cream SP 310 TSC**

Manufacturer: Stannol GmbH
Oskarstr.3-7
42283 Wuppertal
Phone.: ++49 202 / 5850 sec.phone:++49 202 / 585119

Phone: ++49 202 / 585118

2. Composition/Information of Ingredients

Chemical characteristic: Alloy of tin, silver, copper powder, mixed with flux, rosin-based

Ingredients

Content	CAS-Nr.	Symbols	Risk-Phrases	Chemical name
85-90%				Tin/silver/copper-mixture
5-10%	Trade-name			Colophoniumbased rosin

3. Hazards Identification:

Hazard symbols



harmful

t

R-Phrases: 42 May cause sensitisation by inhalation

4. First Aid Measures:

General : If casualty is unconscious but breathing, place in the recovery position. If breathing has stopped apply artificial resuscitation or give oxygen by mask
Remove patient to fresh air..

Inhalation
Skin Contact : Wash hands with soap and water after contact. If any irritation resists, obtain medical attention.
Eye Contact: Flush **immediately** with plenty of water. In cases where spitting flux has entered the eye seek medical attention.

After swallow: seek medical attention.

Hints Inhalation of the flux fumes given off at soldering temperatures will irritate the nose, throat and respiratory system. Repeated or prolonged exposure to flux fumes may cause shortness of breath and cough..

Treatment: Decontamination, symptomatic treatment.

5. Fire Fighting Measures

Extinguishing Media: Use extinguishing media appropriate to surrounding fire conditions.
Special Fire-fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Emits toxic fumes under fire conditions.

6. Accidental Release Measures

Avoid contact with skin. Wear suitable protective clothing. Scrape up and store in a suitable container..

7. Handling and Storage:

The fumes produced during soldering should be extracted away from the breathing zone of the operators. Ensure the area is well ventilated. Avoid inhaling the flux fume. Wash hands with soap and warm water after handling, particularly before eating, drinking or smoking. The product should be stored in a dry area.
The product should be stored below 10°C in a closed container

Material Safety Data Sheet

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Site2(3)

8. Exposure Controls / Personal Protection:

Local exhaust or ventilation and control of process conditions are suitable methods. Where engineering controls and work practises are not effective in controlling exposure then suitable respiratory protective equipment should be used.

Substance	CAS-Nr	ml/m ³ (ppm)	mg/m ³	Art
Tin	7440-31-5		2	MAK (NL)
Silver	7440-50-8		0,1	MAK (DFG)

Respiratory Protection: Necessary if there is a risk of exposure to of fumes

Hand Protection: Gloves of PE, PP, or hard rubber are recommended.(For the material-stoutness and the time of use, ask the producer

Eye Protection: Operators should wear goggles

9. Physical and Chemical Properties

Appearance :	Form: pasty			
	Colour: grey		Odour:	odourless
Flash-Point	117C			
Melting range:	221°C			
Boiling-Point:	256°C			
Vapour Pressure:	<1		20°C	
Specific Gravity:	3,80-5,66		20°C	
Viscosity (dyn):	Look technical data-sheet			

10. Stability and Reactivity:

Incompatibilities

Keep away from strong oxidising agents, strong acids and bases.

Hazardous combustion or decomposition products:

11. Toxicological Information

Acute Toxicity::

The flux fumes produced during soldering will irritate the nose, throat and respiratory system. For personnel that have become sensitised to rosin or modified rosin fumes, further exposure can cause symptoms of asthma, alveolitis or rhinitis and conjunctivitis.

LD50 (oral rat) Modified rosin >2500 mg/kg

Chronic Toxicity:

Prolonged or repeated exposure to rosin or modified rosin flux fume may cause some workers to develop occupational asthma.

Routes of Exposure:

Skin contact with rosin and rosin derivates can cause an allergic contact dermatitis. Flux fume may cause irritation and rash an exposed skin.

Eye-contact with flux fumes may cause irritation. The cream is both irritant and abrasive.

12. Ecological Information:

Heavy metals and their compounds are not biodegradable

13. Disposal Considerations:

Contact a licensed professional waste disposal service to dispose off this material.

Observe all federal, state and local environmental regulations. EAK-Code: 120 104

14. Transport Information:

Transport GGVS/ADR/RID: The product is not classified as hazardous for transport

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Site3(3)

15. Regulatory Information:

Classification and Labelling: This product has been classified and labelled according to EU-Directive 91/155/EWG.

R-Phrases: 42 May cause sensitisation by inhalation

Hazard symbols



harmful

S-Phrases: (2) Keep out of the reach of children.
23 Do not breathe fumes
24/25 Avoid contact with skin and eyes.

Water Hazard Class WGK1

16. Other Information:

Other information

This safety data sheet has been prepared to the best of our knowledge and is based on the latest information available to us. This however represents no guarantee of the properties of the product and establish no contractual legal condition. Not all circumstances can be specified, in which Stannol products can be used. The user himself is responsible for its employment together with products of other manufacturers. He must himself test its suitability for the process application and determine its safety, particularly in consideration with other materials and/or preparations

Safety data-sheet is issued by:

Stannol GmbH

Contact-person:

Dr. W. Kruppa