

# EG-Safety-Data-Sheet according to 91/155/EWG

Trade-name: Solder Flowtin ® TSC

Date of issue: 01.05.2006

Revised on: 27.11.2006

Page 1 of 2

## 1. Chemical Identification

Trade-name: **Solder FLOWTIN TSC ®**  
Manufacturer: Stannol GmbH  
Oskarstr.3-7  
42283 Wuppertal  
Phone.: 0202 / 5850 sec.phone:-0202 / 585119  
Phone: 0202 / 585118

## 2. Composition/Information of Ingredients

Chemical characteristic: Tin-Copper alloy (with <0,1 % other iron-metals)

### Ingredients

Content	CAS-No.	Symbols	Risk-Phrases	Chemical name
Remainder	7440-31-5			Tin
3,6-4,0%	7440-22-4			Silver
0,6-0,8%	7440-50-8			Copper

## 3. Hazards Identification:

Not a composition for the purposes of the Dangerous Substances Regulations, but nevertheless observe items 4-16

## 4. First Aid Measures:

In case of contact with skin:: In use of contact with molten liquid solder, cool with plenty of water, seek medical attention  
::

## 5. Fire Fighting Measures

Extinguishing Media: This material is not flammable  
Use extinguishing media appropriate to surrounding fire con  
Special Fire-fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## 6. Accidental Release Measures:

Pick up and place in appropriate 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. Wash hands with soap and warm water after handling, particularly before eating, drinking or smoking. The product should be stored in a cool, dry area.

# EG-Safety-Data-Sheet according to 91/155/EWG

Trade-name: Solder Flowtin ® TSC

Date of issue: 01.05.2006

Revised on: 27.11.2006

Page 2 of 2

## 8. Exposure Controls / Personal Protection:

Local exhaust and control of process conditions are suitable methods when dust, fumes and vapours are developed. Where engineering controls and work practises are not effective in controlling exposure then suitable respiratory protective equipment should be used

### **TLV of TRGS 900 Capitel 2**

Substance	CAS-No	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	Art
Tin	7440-31-5		2	MAK (NL)
Silver	7440-22-4		0,1	MAK(DFG)
Copper	7440-50-8		1	MAK(DFG)

**Respiratory Protection:** If concentrations are over the exposure limit, use a supplied air respirator.

**Hand Protection:** : Use heat resistant gloves if required.

**Eye Protection:** Operators should wear goggles

## 9. Physical and Chemical Properties

<b>Appearance :</b>	Form: solid	Colour: metallic	Odour: odourless
<b>Melting Point:</b>	217 °C		
<b>Vapour Pressure:</b>	n.a.		
<b>Density(20°C):</b>	7-8 g/cm <sup>3</sup>		

## 10. Stability and Reacivity:

**Dangerous reactions:** Possible with oxidising agents.

**Hazardous combustion or decomposition products:** none

## 11. Toxicological Information

**Acute Effects:**

None toxic metal.

## 12. Ecological Information:

No effect to environment known

## 13. Disposal Considerations:

Contact a licensed professional waste disposal service to dispose of this material.  
Observe all federal, state and local environmental regulations. Collect metal for recycling

## 14. Transport Information:

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

## 15. Regulatory Information:

Not subject to current legislation

## 16. Other Information:

**Other information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide..

**Safety data-sheet is written by:**

Stannol GmbH

**Contact-person:**

Dr. W. Kruppa