

# EU-Material-safety-data-sheet

Trade-name: Solder-wire HS10 Sn99Cu1

Product-No.:

Date of issue:12-01.2004

Page: 1(2)

## 1. Chemical Identification

Trade-name: **Solder wire HS10 Sn99Cu1**

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 flux max. 3,5 % rosin, halide-activated

### Ingredients

Proportion	CAS-No.	Symbols	Risk-Phrases	Chemical name
<99%	7440-31-5			Tin
<1%	7440-50-8			Copper
<3,5%	8050-09-7	Xi	43	Rosin

## 3. Hazards Identification:

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

## 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

**Inhalation**  
**Skin Contact :** Remove patient to fresh air. If irritation persists, obtain medical attention.

**Eye Contact:** If any skin irritation develops seek medical attention  
Flush *immediately* with plenty of water. In cases where spitting flux has entered the eye seek medical attention.

**Ingestion:** seek medical attention.

**Hints for doctors** 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.

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

**Inhalation**  
**Skin Contact :** Remove patient to fresh air. If irritation persists, obtain medical attention.  
If any skin irritation develops seek medical attention

## 5. Fire Fighting Measures

**Extinguishing Media:** 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.

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Page: 2(2)

## 8. Exposure Controls / Personal Protection:

Local exhaust or dilution ventilation and control of process conditions are suitable methods..

Substance	CAS-No	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	Art
Tin	7440-31-5		2	MAK (NL)
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

**Appearance and Odour:** Tin- CopperSolder

**Melting Point:** 230-240 °C

**Vapour Pressure:** n.a.

**Density(20°C):** 7-8 g/cm<sup>3</sup>

## 10. Stability and Reactivity:

**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:**

Save of quality/laboratory

**Contact - person:**

Dr. W. Kruppa

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