1. Chemical Identification

Trade-name: **Solder wire KS115 FLOWTIN ® TC (S-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 <0,1 % other iron-metals) and flux max. 3,5 % rosin(halogen activated)

Ingredients

Proportion	CAS-No.	Symbols	Risk-Phrases	Chemical name
remainder	7440-31-5			Tin
<0,9%	7440-50-8			Copper
<3,5%				Modified 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 Remove patient to fresh air. If irritation resists, obtain medical attention.

Skin Contact : If any skin irritation develops seek medical attention

Eye Contact: 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 Remove patient to fresh air. If irritation resists, obtain medical attention.

Skin Contact : 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.

8.Exposure Controls / Personal Protection:

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

TLV nach TRGS 900 aus Kapitel 2

Substance	CAS-No	ml/m³ (ppm)	mg/m³	Art	
Tin	7440-31-5		2	MAK (NL)	
Copper	7440-50-8		1	MAK (DFG)	C

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:	227 °C
Vapour Pressure:	n.a.
Density(20°C):	7-8 g/cm³

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:

Cause of modification:

General revision

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