

# Material Safety Data Sheet

## According to 91/155 ECC

Date Created : 04/19/06 -Update : 01/13/2010 - Revision Number : 05

### **1. Identification and Supplier**

Product Descriptions:

Sn95Sb5, LEAD-FREE SOLDER

### **2. Composition**

Description:

Content	CAS	Symbol	compositon
50-100%	7440-31-5		tin
5%	7440-36-0		stibium
≤2.5%	65997-06-0	Xn R42/43	Modified Rosin
2.5-10%	112-59-4	Xn R21-41	Ethanol

### **3. Hazards identification**



Xn harmful

R43 May cause sensitization by skin contact.

Vapours may cause drowsiness and dizziness.

Should not be used on surfaces liable to be chewed or sucked by children.

### **4. First-aid measures**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation: supply fresh air, consult doctor in case of complaints.

After skin contact: immediately wash with water and soap and rinse.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Induce vomiting, if person is conscious, Seek medical help.

### **5. Fire-fighting measures**

The products do not have fire possibility. Melted solder above 1000°C will

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release toxic lead and/or antimony fumes.

Protective equipment: Wear self-contained respiratory protective device.

**6. Accidental release measure**

Personal precautions:

Wash hands after handling. Ensure adequate ventilation.

Environmental precautions:

Do not allow product to reach sewage or any water course.

Cleaning or collecting:

Melted solder will solidify on cooling and can be scraped up. Avoid breathing fumes if a gas torch is used to cut large pieces.

**7. Handling packaging and storage**

Handling precautions: Wash hands after handling.

Packaging: wound onto spools of various capacities or in cartons

Storage conditions : No special requirements.

**8. Exposure controls and personal protection.**

General information:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

When ventilation is not sufficient to remove fumes from the breathing zone, a safety approved respirator or self-contained breathing apparatus should be worn. In handling, please wear gloves and goggles.

**9. Physical and Chemical properties.**

Physical State (Appearance) : white metal wire.

Melting temperature : > 100°C

Specific Gravity (Density) : > 7.35g/cm<sup>3</sup> at 20°C

Flash Point: : N/A

Automatic combustion temperature: N/A

**10. Stability and reactivity**

Conditions to avoid : N/A

Materials to avoid : N/A

Hazardous decomposition : N/A

**11. Toxicological information. (health, hazard and symptoms)**

Eye contact : Smoke during soldering can cause eye irritation.

Skin contact : Possible local irritation by contact with flux or fumes

Inhalation : sensitization possible through inhalation

Long term exposure : N/A

**12 Ecological information. (protection of the environment)**

Do not allow product to reach ground water, water course or sewage system.

**13. Disposal consideration.**

Any waste materials should be stored in sealed containers and be disposed of according to the relevant acts and local authority by laws, advice can

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be obtained from your local waste disposal officer.

**14. Transport information.**

UN-Classification : N/A  
RID/ADR-Class : N/A  
IMDG : N/A  
IATA : N/A

**15. Regulatory information**

Where appropriate, refer to the information under the headings:

- 8--Exposure controls and personal protection
- 13--Disposal considerations.

**16. Other information**

This product should only be used by authorized personnel who have been properly trained in the handling and use in accordance with good industrial hygiene and safety practices. A specific product specification data sheet is also available.

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