

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

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/cm³ 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

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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