

Safety Data Sheet



Product : Lead Free Solder Wire

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Premier Farnell plc
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1.1. Emergency telephone number

+44 1865 407333

2. HAZARDS IDENTIFICATION

hazard classification:

Acute toxic substance (inhalation) Level 4

Water environment toxic substances (acute toxicity) Level 3

Specific organ toxic matter—The repetition exposes level 2

Indication content :

Symbolic : Health, Exclamation mark

Warnings : Warning

1. Toxic by inhalation

2. Toxic to aquatic organisms

3. Long-term exposition possibly to organ injury

Measure : 1. The body thinks not comfortably, Inquires of the medical service
2. Not inspiration dust
3. Avoids with the skin contact

3. COMPOSITION, INFORMATION OR INGREDIENT

Components-Chemical Name	wt. %	CAS No.
Tin (Sn)	90.0~97.0	7440-31-5
Silver(Ag)	0.0~5.0	7440-22-4
Copper (Cu)	0.0~4.0	7440-50-8
Rosin	1.0~5.0	8050-09-7

4. FIRST AID MEASURES

First aid method in the different exposed way:

INHALATION : Remove to fresh air. If not breathing, give artificial respiration or oxygen by trained personnel.

SKIN CONTACT : Remove contaminated clothing. Wash affected area with soap and water. Wash clothing before reuse. If irritation persists, obtain medical attention.

EYE CONTACT : Gently rinse the affected eyes with clean water for at least 15 minutes.
Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.



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INGESTION : Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.
The most important symptoms and hazardous effect: Irritation feeling
The protection to first-aid personnel: Should wear the protection equipment of level C to give first aid in the safe area.

Notes to physicians : Not applicable

5. FIRE FIGHTING MEASURES

EXTINGUISH MEDIA : Use alcohol resistant foam, carbon dioxide or dry chemical extinguishing agents.

FIRE-FIGHTING INSTRUCTIONS : Not applicable

Specific fire-fighting methods: Not applicable

Special equipment for the protection of firefighters : Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: : The man who without wear protect equipping or clothes forbidden enter in the let out area before clean.

Environmental precautions : Ventilate to the let out area.

Methods for cleaning up : 1. Recycle the material or bury with the qualified method in most convenient and safe way.
2. The liquid can be absorbed with the vermiculite, sand, soil or similar material.

7. HANDLING & STORAGE

Handling : During work avoids producing the dust.

Storage: : Dry and non-corrosive with no sunlight

8. EXPOSURE CONTROL / PERSONAL PROTECTION

ENGINEERING MEASURES : 1. Partial air exhaust device.
2. Whole air exhaust device.

EXPOSURE GUIDELINES : TWA: 2mg/m3 (Tin)

PROTECTIVE EQUIPMENT :

Respiratory protection : 0~10 mg/m3 : Dustproof breathing mask.
20 mg/m3: 1. Dustproof breathing mask. 2. Air supply type breathing mask.
50 mg/m3: 1. Dustproof and air filter breathing mask.
2. Continuous air supply type breathing mask.
100 mg/m3: 1.Contain high performance filter and air filter breathing mask.
2. Continuous air supply type breathing mask.
Unknown consistency: Continuous air supply type breathing mask.
Escape: 1.Contain high performance filter and air filter breathing mask.
2. Continuous air supply type breathing mask.

Hand protection : Rubber or plastic glove.

Eye protection : 1. The safe goggles which can defend splash. 2. Face guard in an all-round way. 3. Don't wear the contact lenses.

Skin and body protection : Apron, long sleeves clothes.

Hygiene measures : Forbid smoking or diet in the workplace.



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9. PHYSICAL & CHEMICAL PROPERTIES

Appearance (physical state, color)	: Silver gray solid
Odor threshold	: Not applicable
pH	: Not applicable
Flammability (solid, gas)	: Not applicable
Decompose temperature	: Not applicable
Auto-ignition temperature	: Not applicable
Vapor Pressure	: Not applicable
Density	: 7.3-7.4 g/cm ³
Partition coefficient (n-octanol/water, log K _{ow})	: Not applicable
Specific gravity (25°C)	: Not applicable
Solid content (%)	: Not applicable
Odor	: Not applicable
Melting point	: 217°C to 270°C
Boiling Point	: Not applicable
Flash Point	: Not applicable
Test Method (Open cup or Close cup)	: Not applicable
Explosion Limit	: Not applicable
Vapor Density	: Not applicable
Solubility	: Almost Insoluble
Evaporation rate	: Not applicable
Acid value (mgKOH / g)	: Not applicable

10. STABILITY & REACTIVITY

Stability	: Stable
Possible hazardous reactions under specific conditions	: not applicable
Materials to be avoided	: Strong acids, strong oxidizers.
Dangerous products of decomposition:	
Not applicable	

11. TOXICOLOGICAL INFORMATION

Routes of exposure	: nose, skin.
Symptoms	: May cause the irritation of nose, skin.
Acute toxicity	: May cause the irritation of nose, skin.
Chronic toxicity or long term toxicity	: Not applicable



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12. ECOLOGICAL INFORMATION

Ecotoxicity : Not applicable
Persistent and biodegradable : Not applicable
Bio-accumulative potentia : Not applicable
Mobility in soil : Not applicable
Other adverse effects : Not applicable

13. DISPOSAL CONSIDERATIONS

Utilizing recoverably or according to the refuse disposal ordinance disposal

14. TRANSPORT INFORMATION

UN No. : Not applicable
UN Proper shipping name : Not applicable
Transportation hazard classification : Not applicable
Packing group : Not applicable
Marine pollutant (Yes/No) : Not applicable
Specific transport measures and precautionary conditions : Not applicable
Dry and non-corrosive with no sunlight

15. REGULATORY INFORMATION

Applicable regulations:

1. Occupational Safety and Health Act.
2. Laborer operating environment permits the thickness standard
3. Industrial waste storage cleaning dispose method and facility standard
4. Hazardous chemicals labeled general rule

16. OTHER INFORMATION

Not applicable

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