

# Safety Data Sheet



## 1: Chemical Product and Company Identification

### Product identifier

Product : Lead Free Solder Wire

### Details of the supplier of the safety data sheet

Premier Farnell  
150 Armley Road  
Leeds LS12 2QQ  
Tel. : +44 (0) 8701 202530


### 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

Other hazard : NA

## 3: Composition, Information or Ingredient

Components-Chemical Name	wt.%	CAS No.
Tin (Sn)	90 ~ 97	7440-31-5
Silver(Ag)	0.0 ~ 5	7440-22-4
Copper (Cu)	0.0 ~ 4	7440-50-8
Rosin	1 ~ 5	8050-09-7

## 4: First Aid Measures

First aid method in the different exposed way: NA

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.



Ingestion : Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.  
: 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 : -

## 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 and Storage

Handling : During work avoids producing the dust.

Storage : Dry and non-corrosive with no sunlight

## 8: Exposure Controls and Personal Protection

Engineering Measures : 1. Partial air exhaust device.  
2. Whole air exhaust device.

Exposure Guidelines : TWA: 2mg/m<sup>3</sup> (Tin)

### Protective Equipment

Respiratory protection : 0~10 mg/m<sup>3</sup>: Dustproof breathing mask  
20 mg/m<sup>3</sup>: 1. Dustproof breathing mask. 2. Air supply type breathing mask.  
50 mg/m<sup>3</sup>: 1. Dustproof and air filter breathing mask.  
2. Continuous air supply type breathing mask.  
100 mg/m<sup>3</sup>: 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.

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Skin and body protection : Apron, long sleeves clothes.  
Hygiene measures : Forbid smoking or diet in the workplace.

## 9: Physical and Chemical Properties

Appearance(physical state, colour) : Silver grey solid  
Odor threshold : -  
pH : -  
Flammability (solid, gas) : -  
Decompose temperature : -  
Auto-ignition temperature : -  
Vapor Pressure : -  
Density : 7.3-7.4 g/cm<sup>3</sup>  
Partition coefficient(n-octanol/water,log Kow) : -  
Specific gravity (25°C) : -  
Solid content (%) : -  
Odor : -  
Melting point : 217-270°C  
Boiling Point : -  
Flash Point : -  
Test Method (Open cup or Close cup) : -  
Explosion Limit : -  
Vapor Density : -  
Solubility : Almost Insoluble  
Evaporation rate : -  
Acid value (mgKOH / g) : -

### 10: Stability And 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 : -

### 12: Ecological Information

Ecotoxicity : -  
Persistent and biodegradable : -  
Bio-accumulative potential : -  
Mobility in soil : -  
Other adverse effects : -

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## 13: Disposal Considerations

Utilizing recoverably or according to the refuse disposal ordinance disposal

## 14: Transport Information

UN No. : -  
UN Proper shipping name : -  
Transportation hazard classification : -  
Packing group : -  
Marine pollutant (Yes/No) : -  
Specific transport measures and precautionary conditions : 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

NA

<b>Part Number</b>
D03344

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