

# 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 <sup>3</sup>
Partition coefficient (n-octanol/water, log K <sub>ow</sub> )	: 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

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

## 11. TOXICOLOGICAL INFORMATION

<b>Routes of exposure</b>	: nose, skin.
<b>Symptoms</b>	: May cause the irritation of nose, skin.
<b>Acute toxicity</b>	: May cause the irritation of nose, skin.
<b>Chronic toxicity or long term toxicity</b>	: 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 : Not applicable  
Dry and non-corrosive with no sunlight and precautionary conditions

## 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

Part Number

D01687

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