

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) Category 4
Hazardous to the aquatic environment, (acute toxicity) Category 3
Specific target organ toxicity - repeated exposure Category 2

Indication Content :  

Symbolic : Health: Exclamation
Signal Word : Hazard

Hazard Statement

Harmful if inhaled
Harmful to aquatic life
May cause damage to organs through prolonged or repeated exposure

Precautionary Statements

The body thinks not comfortably, Inquires of the medical service
Not inspiration dust
Avoids with the skin contact
Other hazard : NA

3: Composition, Information or Ingredient

Components-Chemical Name	CAS No.	Density or Scope of Density Percentage
Tin (Sn)	7440-31-5	90.0~99.0
Silver(Ag)	7440-22-4	0.0~5.0
Copper (Cu)	7440-50-8	0.0~4.0
Nickel(Ni)	7440-02-0	0.0~0.5
Germanium(Ge)	7440-56-4	0.0~2.0
Rosin	8050-09-7	1.0~5.0

4: First Aid Measures

First aid methods for different exposure routes

Inhale : Move the patient to fresh air. If the patient has stopped breathing, give artificial respiration and send to the emergency department.

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Safety Data Sheet



Skin Contact : Rinse with plenty of water and use soap if possible. If irritation persists, seek medical attention.

Eye Contact : Rinse with plenty of water for 15 minutes or until the irritation disappears. If the irritation persists, seek medical attention.

Ingestion : Seek your doctor immediately.

The most important symptoms and harmful effects: irritation.

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 : Oxygen cylinder and protective clothing.

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

Control parameters:

Hazardous Ingredient	TWA (mg/m ³)	STEL	CEILING	BEIs
Tin	2	-	-	-
Silver	0.01	-	-	-
Copper, fume	0.2	-	-	-
Nickel	1.0	-	-	-

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/m ³ : 1. Dustproof and air filter breathing mask. 2. Continuous air supply type breathing mask.
	100 mg/m ³ : 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.

9: Physical and Chemical Properties

Appearance(physical state, colour)	: Silver grey solid
Odor threshold	: -
pH	: -
Flammability	: -
Decompose temperature	: -
Auto-ignition temperature	: -
Vapor Pressure	: -
Density	: 7.3-7.4 g/cm ³
Partition coefficient (log Kow)	: -
Odor	: -
Melting point	: 217-314°C
Boiling Point	: -
Flash Point	: -
Test Method	: -
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
Conditions to avoid	: Avoid generating dust
Materials to be avoided	: Strong acids, strong oxidizers.
Dangerous products of decomposition	: Not Applicable

11: Toxicological Information

Routes of exposure	: Nose, Skin.
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Safety Data Sheet



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 : -

13: Disposal Considerations

Methods of waste disposal : 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-restricted by IATA and IMDG
IMO- IMDG /ICAO/ IATA –DGR : Not Regulated as a Dangerous
Packing group : Not applicable
Marine pollutant (Yes/No) : Not applicable
Specific transport measures and precautionary conditions : Dry and non-corrosive with no sunlight

15: Regulatory Information

Applicable regulations:

1. Occupational Safety and Health Law
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

Part Number
D01686
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