

Safety Data Sheet



1: Chemical Product and Company Identification

Product identifier

Product : Solder Wire
Other Name : Solder Wire (Sn-Pb)

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

Goods Hazard classification
Reproductive toxicity Category 1A
Carcinogenicity Category 2
Acute toxic substance (inhalation) Category 4

Indication Content :  

Symbolic : Health: Exclamation
Signal Word : Hazard

Hazard Statement

1. May damage fertility or the unborn child
2. Suspected of causing cancer
3. Harmful if inhaled

Precautionary Statements

1. Use only with adequate ventilation
2. Dispose of surplus and container via a licensed waste disposal contractor
3. Get medical attention if accident or irritation occurs

Other hazard : NA

3: Composition, Information or Ingredient

Components-Chemical Name	CAS No.	Density or Scope of Density Percentage
Tin	7440-31-5	4 - 95
Lead	7439-92-1	5 - 98
Silver	07440-22-4	0 - 5
Rosin	8050-09-7	0.5 - 5

4: First Aid Measures

First aid method in the different exposed way

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.

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands



Safety Data Sheet



Skin Contact	: Remove contaminated clothing. Wash affected area with soap and water. Wash clothing before reuse. If irritation persists, obtain medical attention.
Inhalation	: Remove to fresh air. If not breathing, give artificial respiration or oxygen by trained personnel.
Ingestion	: Give the person one or two glasses of water or solution of salt, try to get the victim to vomit. 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: If the patient swallows, consideration gastric lavage and bowel movement.

5: Fire Fighting Measures

Extinguish Media	: Use alcohol resistant foam, carbon dioxide or dry chemical extinguishing agents.
Fire-Fighting Instructions	: Shut off fuel to fire if possible to do so without hazard. Evacuate area and fight fire from a safe distance. Apply water from a safe distance to cool and protect surrounding area. Firefighters should wear proper protective equipment.
Flash Point	: Not applicable
Explosion Limit	: Not available

6: Accidental Release Measures

Shut out all sources of ignition; No flare, smoking or flames in area

Wear proper protective equipment.

For spills, wipe and scrape away with cloth or paper, take up and store in a sealed container.

7: Handling and Storage

Handling	: Do not use fire near storage area. Wear proper protective equipment.
Storage	: Dry and non-corrosive with no sunlight

8: Exposure Controls and Personal Protection

Engineering Measures

Use only with adequate ventilation and in closed systems. Make available emergency shower and eye wash in the work area.

Engineering Measures

Hazardous Ingredient	TWA (mg/m ³)	STEL	CEILING	BEIs
Lead	0.1	-	-	-
Tin	2	-	-	-

Protective Equipment	: -
Respiratory Protection	: Industrial canister gas masks.(Heating)
Eye Protection	: Safety goggles.
Hand, Skin and Body Protection	: Rubber gloves.
Selection of specific items such as boots, apron or full-body suit will depend on operation.	



Safety Data Sheet



9: Physical and Chemical Properties

Appearance(physical state, colour)	: Silver grey solid
Odor threshold	: -
pH	: -
Flammability	: -
Decompose temperature	: -
Auto-ignition temperature	: -
Vapor Pressure	: -
Density	: 8.2-11.2 g/cm ³
Partition coefficient (log Kow)	: -
4Odor	: -
Melting point	: 183-316°C
Boiling Point	: -
Flash Point	: -
Test Method	: -
Explosion Limit	: -
Vapor Density	: -
Solubility	: Almost Insoluble
Evaporation rate	: -

10: Stability And Reactivity

Chemical Stability	: Stable, hazardous polymerization will not occur.
Incompatibility with Other Materials	: Strong oxidizing agents, strong bases and strong acids.
Hazardous Decomposition Products	: Carbon oxide on burning.
Hazardous Polymerization	: Will not occur

11: Toxicological Information

Corrosive and Irritant Properties	: Not available
Allergenic and Sensitizing Effects	: Not available
Acute Toxicity	: Not available
Sub-Acute Toxicity	: Not available
Chronic Toxicity	: Animal drink water containing 0.18mg/L of lead may get lead poisoning Rats ingested the 0.005mg/Kg of lead showed evidence of CMS disturbances.
Carcinogenic Effects	: Not available
Mutagenic Effects	: Not available
Effects on the Reproductive System	: Not available
Teratogenic Effects	: Not available

12: Ecological Information

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



Safety Data Sheet



13: Disposal Considerations

Methods of waste disposal : Bury with qualified hygiene.

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

D03347

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. DURATOOL is the registered trademark of Premier Farnell Limited 2019.

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

