

# Safety Data Sheet



## 1. Product and Company Identification

### Product Name

Rosin Activated Solder Wire - Sn60/Pb40

### Product Description

Rosin Activated Solder Wire

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

Premier Farnell  
150 Armley Road  
Leeds LS12 2QQ  
Tel. : +44 (0) 870 129 8608

### Emergency telephone number

+44 (0) 870 202530

## 2. Hazards Identification

### GHS Classifications

#### Health:

Target Organ Toxicity (Repeated exposure), Category 1  
Reproductive Toxicity, Category 1

#### GHS Label



Exclamation  
mark



Health hazard



Environment

### Signal Word

Danger

### Hazard Statements

H373: May cause damage to organs [or state all organs affected, if known] through prolonged or repeated exposure [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard].

H360: May damage fertility or the unborn child [state specific effect if known] [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard].

H411: Toxic to aquatic life with long lasting effects.

### Precautionary Statements

Prevention:

P264: Wash hands thoroughly after handling.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301+A2317: IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.

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Disposal:

P501: Dispose of contents/container in accordance to local/regional/national/international regulations.

## Potential Health Effects

Eyes: Fumes from this and other soldering products may cause eye irritation.

Skin: Fumes from this and other soldering products may cause skin irritation.

Ingestion: Ingestion of this or other soldering products may cause headache, nausea, and muscular pain.

Inhalation: Inhalation of the fumes from this or other soldering products may cause headache, nausea and muscular pain.

Carcinogenicity: Not listed as a carcinogen by NTP, OSHA, or ACGIH.

Medical Conditions Aggravated: Pre-existing conditions of the lungs, kidneys, nervous system and possibly reproductive systems; diseases of the blood forming organs

Routes Of Entry: Inhalation, ingestion, eye or skin contact.

## 3. Composition / Information On Ingredients

| Chemical Name | Wt.%        | CAS        |
|---------------|-------------|------------|
| Tin           | 58.2 - 59.8 | 7440-31-5  |
| Lead          | 38.5 - 39.1 | 7439-92-1  |
| Rosin         | < 3         | 65997-05-9 |

## 4. First Aid Measures

### Eyes:

Molten Product: Cool burns with plenty of low-pressure water. Get immediate medical attention.

Solid Product: Remove any contact lenses. Immediately flush eyes with large quantities of water for at least 15 minutes. Get medical attention if irritation develops.

### Skin:

Molten Product: Immediately cool skin burns with water and cold packs for at least 15 minutes. Do not put ice directly on the skin. Do not attempt to remove solidified product from the skin, as damage may result. Get immediate medical attention.

Solid Product: Immediately wash skin with soap and copious amounts of water. Use lotion to prevent dryness. Get medical attention if irritation develops.

Ingestion: If person is conscious, immediately give 2 glasses of water. Do not induce vomiting. Get immediate medical attention.

Inhalation: If symptoms of overexposure are experienced, evacuate to fresh air. If symptoms persist, seek medical attention.

## Signs And Symptoms of Overexposure

Skin: Discomfort or rash.

Inhalation: Irritation of the pulmonary system.

Chronic Effects: Prolonged or repeated exposure due to ingestion may cause anemia, insomnia, weakness, constipation and abdominal pain. Prolonged or repeated exposure due to skin exposure and inhalation may cause skin rash and damage to the mucous membranes.

Comments: If victims of chemical over-exposure are taken for medical attention, give a copy of the label or this SDS to the physician/health care professional.



## 5. Fire Fighting Measures

Extinguishing Media: Alcohol foam, carbon dioxide, or dry chemical.

Explosion Hazards: Closed containers may explode when exposed to fire conditions.

Fire Fighting Equipment: Self contained breathing apparatus with full face piece operated in positive pressure demand mode, appropriate turn-out gear and chemical resistant personal protective equipment is recommended.

## 6. Accidental Release Measures

General Procedures: If the material is in its solid state, pick up and reuse. When molten, allow to solidify, and then reuse if it is not contaminated. If contaminated, refer to Section 13 for proper disposal procedures.

Release Notes: Avoid repeated or prolonged breathing or skin contact. Wash hands immediately, and remove material from under the fingernails.

## 7. Handling And Storage

General Procedures: Do not store or use near sparks or open flames. Keep containers tightly closed and upright when not in use in order to prevent leakage.

Handling: Practice reasonable care and caution when handling this material.

Storage: Store in a cool, well ventilated place away from incompatible materials. Do not store near an open flame, heat, or other source of ignition. Protect materials from direct sunlight.

## 8. Exposure Controls / Personal Protection

Engineering Controls: General (mechanical) room ventilation is expected to be satisfactory where this product is stored and handled and in closed equipment. Special local ventilation is needed at points where vapors can be expected to escape into the workplace air.

### Personal Protective Equipment

Eyes and Face: Face shield, safety glasses with side shield or chemical splash goggles. When working with molten material, face shield is recommended.

Skin: Rubber, chemical resistant gloves. When material is heated, wear gloves to protect against thermal burns.

Respiratory: Not normally needed in well ventilated areas. If the ventilation is insufficient to remove smoke from soldering processes, use NIOSH/MSHA approved cartridge type respirator.

Protective Clothing: Protective clothing and safety shoes as necessary to minimize contact.

Work Hygienic Practices: Good personal hygiene practices should be used. Wash after any contact, before eating, and at the end of the work period.

Other Use Precautions: Eye wash station and quick drench safety shower in immediate work area.

## 9. Physical And Chemical Properties

Odor : Odorless.  
Appearance : Metal in wire form.  
Colour : Silver gray  
Flash Point and Method : Not Applicable  
Flammable Limits : Not Established  
Autoignition Temperature : Not Applicable  
Vapor Pressure : 1 mmHg at 866°C (1591°F)

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Vapor Density : Not Determined  
Boiling Point : 1380°C (2516°F) @ 760 mmHg  
Melting Point : 183°C (361°F) (alloy)  
Solubility In Water : Partially Soluble

## 10. Stability And Reactivity

Stability: Stable under ordinary use and storage conditions.  
Polymerization: Will not occur under normal use and storage conditions.  
Hazardous Decomposition Products: May emit toxic fumes of carbon monoxide and carbon dioxide.  
Incompatible Materials: Strong acids and strong oxidizers should be avoided..

## 11. Toxicological Information

General Comments: No toxicological information available at this time.

## 12. Ecological Information

General Comments: No information on ecological toxicity or biodegradability is available at this time.

## 13. Disposal Considerations

Disposal Method: Dispose of this material, contaminated absorbent material and other contaminated materials in an approved waste disposal facility, according to all applicable Federal, State, and Local regulations. Recovery and reuse, rather than disposal, should be the ultimate goal in handling efforts.

## 14. Transport Information

DOT (Department of Transportation) Proper Shipping Name: Not regulated by DOT  
Canada Transport Of Dangerous Goods Shipping Name: Not regulated

## 15. Regulatory Information

### United States

SARA Title III (Superfund Amendments and Re-authorization Act)  
311/312 Hazard Categories: Chronic health hazard.  
313 Reportable Ingredients: Lead CAS# 7439-92-1 (weight percentage can be determined from product label)  
CERCLA (Comprehensive Response, Compensation, and Liability Act)  
CERCLA Regulatory: As a solid in wire form, there is no reportable quantity (RQ) for this product. However, if it is cut into pieces smaller than 100 micrometers, the RQ for silver is 1000 lbs., and the RQ for copper is 5000 lbs. Please contact local authorities to determine if there are any local reporting requirements.  
TSCA (Toxic Substance Control Act)  
TSCA Status: All ingredients are listed or are exempt from listing (as polymers) on the Toxic Substances Control Act (TSCA) Chemical Substance Inventory.  
California Proposition 65: When used for soldering and similar applications chemicals may be produced which are known to some states to cause birth defects or other reproductive harm.



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## 16. Other Information

### HMIS RATING

|                     |                                     |   |
|---------------------|-------------------------------------|---|
| HEALTH              | <input type="checkbox"/>            | 2 |
| FLAMMABILITY        | <input type="checkbox"/>            | 0 |
| PHYSICAL HAZARD     | <input type="checkbox"/>            | 0 |
| PERSONAL PROTECTION | <input checked="" type="checkbox"/> | X |

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