



## Section 1. Product and Company Identification.

**1.1 Model Number;** SOL16 v1  
**1.2 Description;** Solder Wire Quick Flow 1.6mm/16SWG 40/60 0.5kg Reel

**1.3 Manufacturer;**

Sealey Group.  
Kempson Way,  
Bury St. Edmunds,  
Suffolk.  
IP32 7AR

**1.4 Emergency telephone number;** 44 (0) 1284 757 500 (Office Hours)

**Date of source compilation;** November 2012

## Section 2. Hazards Identification.

**2.1 Classification of the substance or mixture.**

**Risk phrases;**

R42 - May cause sensitization by inhalation.  
R43 - May cause sensitization by skin contact.  
R60 - May impair fertility.  
R61 - May cause harm to the unborn child.

**Safety phrases;**

S23 - Do not breathe fumes.  
S24 - Avoid contact with skin.  
S37 - Wear suitable gloves.

**2.2 Label elements.**

**Hazard pictogram(s)**



**Signal Word** Danger

**Hazard statements;**

H317: May cause an allergic reaction.  
H334: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.  
H360: May damage fertility or the unborn child.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H411: Toxic to aquatic life with long lasting effects.



## Section 2. Hazards Identification, continued.

### Precautionary statements;

P260: Do not breathe dust/fume/gas/mist/vapours/spray

P273: Avoid release to the environment.

P285: In case of inadequate ventilation wear respiratory protection.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

### 2.3 Other hazards.

No information available.

## Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Weight	Classification	
			Hazard Class & Category Code	Hazard Statements
Tin	7440-31-5		Not classified	-
Lead	7439-92-1		Not classified	-
Rosin - Colophony	8050-09-7		Skin Sens. 1	H317
Silver	7440-22-4		Not classified	-
Copper	7440-50-8		Not classified	-

For full text of Phrases and Statements, see Section 16.



## Section 4. First Aid Measures.

### 4.1 Description of first aid measures

#### Inhalation

Remove at once to fresh air.  
Keep warm and at rest.

#### Skin Contact

Wash off with soap and plenty of water.  
If any skin rash develops seek medical attention.

#### Eye Contact

Flush eyes with plenty of water.

#### Ingestion

Rinse the mouth with water.  
Do NOT induce vomiting.  
If unconscious place in the recovery position.  
Obtain medical attention immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

No information available.

## Section 5. Fire Fighting Measures.

### 5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.  
Water spray, dry chemical or carbon dioxide.  
Sand may be used for small fires.

### 5.2. Special hazards arising from the substance or mixture

Inhalation of the flux fumes given off at soldering temperatures will irritate the nose and throat. The fumes produced by rosin may cause sensitisation by inhalation. Temperatures above 500°C may produce vapours or fumes that, on cooling, may condense as heavy metals dust. Lead is harmful if absorbed into the body and can cause birth defects and other reproductive harm.

### 5.3. Advice for fire-fighters

Wear full protective clothing and self-contained breathing apparatus.



## Section 6. Accidental Release Measures.

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid inhalation of any fume from the hot solder. Avoid contact with hot product and wash hands after handling and before eating, drinking or smoking. Ensure adequate ventilation of the working area.

### 6.2. Environmental precautions

Do not allow product to enter drains, soil, waterways and sewers.  
Prevent further spillage if safe.

### 6.3. Methods and material for containment and cleaning up

Sweep up and shovel.  
Keep in suitable closed containers for disposal.

### 6.4. Reference to other sections

See Section 7 for information on Safe Handling  
See Section 8 for information of Personal Protective Equipment.  
See Section 13 for information on disposal.

## Section 7. Handling and Storage.

### 7.1. Precautions for safe handling

Wash hands with soap and warm water after handling soldering products.  
Workers should wash hands before eating, drinking and smoking.  
Adopt best manual handling considerations when handling, carrying and dispensing.  
Keep out reach of children.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area.  
Store in correctly labelled containers.  
Keep away from direct sunlight.  
Keep away from food and drink.

### 7.3. Specific end use(s)

Intended for use as solder wire: Model Number identified in 1.1 with Description stated in 1.2.



## Section 8. Exposure Controls/Personal Protection.

### 8.1. Control parameters

<b>Tin:</b>	2 mg/m <sup>3</sup> 8 hour Time Weighted Average, UK EH40
<b>Lead:</b>	0.15 mg/m <sup>3</sup> Long Term Exposure Limits (8 hour TWA)
<b>Rosin:</b>	0.15 mg/m <sup>3</sup> over a 15 minute reference period UK EH40: MEL (skin sensitizer) 0.05 mg/m <sup>3</sup> over an 8 hour reference period.
<b>Silver:</b>	0.1 mg/m <sup>3</sup> 8 hour Time Weighted Average, UK EH40
<b>Copper:</b>	0.2 mg/m <sup>3</sup> 8 hour Time Weighted Average, UK EH40

### 8.2. Exposure controls

#### Appropriate Engineering Controls

Extraction should be properly maintained and in good working order.  
Please use health and safety guidelines to choose suitable extraction.

#### Eye/Face Protection

Ensure that eye wash stations are close to the work area.

#### Skin Protection

Wear protective clothing.  
Disposable vinyl gloves.  
Use safety goggles.

#### Respiratory Protection

No information available.

## Section 9. Physical and Chemical Properties.

### 9.1. Information on basic physical and chemical properties

**The following information is not a technical specification or sales specification.**

(a) Appearance:	Solid grey wire.
(b) Odour:	Mild.
(c) Odour threshold;	No information available.
(d) pH:	No information available.
(e) Melting point/freezing point;	No information available.
(f) Initial boiling point and boiling range;	No information available.
(g) Flash point;	No information available.
(h) Evaporation rate;	No information available.
(i) Flammability (solid, gas);	No information available.
(j) Upper/lower flammability or explosive limits;	No information available.
(k) Vapour pressure;	No information available.
(l) Vapour density;	No information available.
(m) Relative density;	No information available.
(n) Solubility(ies);	Insoluble in water.
(o) Partition coefficient: n-octanol/water;	No information available.
(p) Auto-ignition temperature;	No information available.
(q) Decomposition temperature;	No information available.
(r) Viscosity;	No information available.
(s) Explosive properties;	No information available.
(t) Oxidising properties.	No information available.

### 9.2 Other information

No information available.



## Section 10. Stability and Reactivity.

10.1. Reactivity	No information available.
10.2. Chemical stability	No information available.
10.3. Possibility of hazardous reactions	Solder will react with strong oxidizing agents.
10.4. Conditions to avoid	No information available.
10.5. Incompatible materials	Strong oxidizing agents.
10.6. Hazardous decomposition products	None under normal conditions of use.

## Section 11. Toxicological Information.

### 11.1. Information on toxicological effects

**Inhalation:** Fumes generated during use may cause sensitisation to the respiratory system and should be extracted away from the operator.

**Skin Contact:** Skin contact should be avoided.

**Ingestion:** No information available.

**Eye Contact:** No information available.

## Section 12. Ecological Information.

12.1. Toxicity	Rated as slightly toxic to aquatic species.
12.2. Persistence and degradability	No information available.
12.3. Bioaccumulative potential	No information available.
12.4. Mobility in soil	No information available.
12.5. Results of PBT and vPvB assessment	No information available.
12.6. Other adverse effects	No information available.

## Section 13. Disposal Considerations.

Dispose of in compliance with all local and national regulations.

## Section 14. Transport Information.

ADR. International Carriage of Dangerous Goods by Road.  
Not regulated.

IATA. International Air Transport Association.  
Not regulated.

IMDG. International Maritime Dangerous Goods.  
Not regulated.



## Section 15. Regulatory Information.

**15.1.** Safety, health and environmental regulations/legislation specific for the substance or mixture  
No information available.

**15.2.** Chemical safety assessment  
No information available.

## Section 16. Additional Information.

Full text of Phrases and Statements used in Section 3;

The above information is believed to be accurate and represents the best information currently available.

No warranty is expressed or implied by the above information.

We assume no liability resulting from use of the above information.

The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.

Issue level	Date	Revisions
1	13/11/15	First issue.
2	03/03/17	Format only.

End of Safety Data Sheet.