Section 1. Product and Company Identification.

1.1 Model Number; SOL18 v2

1.2 Description; Quick Flow Solder Wire 1.2mm/18SWG 0.5kg Reel

1.3 Manufacturer;

Jack Sealey Ltd.
t/a Sealey Group.
Kempson Way,
Bury St. Edmunds,
Suffolk,
IP32 7AR
UK

Jack Sealey (EU) Ltd
t/a Sealey Group.
Farney Street,
Carrickmacross,
Co. Monaghan,
A81 PK68
Ireland

technicalcompliance@sealey.co.uk

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

Date of source compilation; 10/02/2023

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.
Reproductive toxicity: 1A.
Respiratory / skin sensitization: Skin Sens. 1.

2.2 Label elements.
Hazard pictogram(s)

Signal Word. Danger

Hazard statements;
May cause an allergic skin reaction.
May damage fertility or the unborn child.
May cause harm to breast-fed children.

2.3 Other hazards.
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Section 3. Substances.

3.1 Chemical Name (substance)	**3.1 CAS No.**	**3.2 Concentration Weight**	**Classification**	
			Hazard Class & Category Code	**Hazard Statements** [1]
Lead	7439-92-1	59 – 61 %	Repr. 1A Lact.	H360 H362
Tin	7440-31-5	39 – 41 %	-	-
Rosin	8050-09-7	1.8 – 2.2 %	Skin Sens. 1	H317
Activator	-	<0.1 %	-	-
Other ingredients	-	<0.1 %	-	-

[1]For full text of Statements, see Section 16.

Section 4. First Aid Measures.

4.1 Description of first aid measures

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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 data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data 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^{o}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
Ensure adequate ventilation of the working area.
Avoid inhalation of fumes from hot solder.
Avoid contact with hot product and wash hands after handling and before eating, drinking or smoking.

6.2. Environmental precautions
Do not allow product to enter drains, soil, waterways and sewers.

6.3. Methods and material for containment and cleaning up
Remove with broom / shovel.
Keep in appropriate closed container 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
Keep out reach of children.
Wash hands with soap and warm water after handling soldering products.
Wash hands with soap and warm water before eating, drinking and smoking.

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
Workplace exposure limits.

Substance	CAS number	Workplace exposure limit. Long term.		Short term.	
		ppm	$mg.m^3$	ppm	$mg.m^3$
Rosin	8050-09-7	-	0.05	-	0.15

8.2. Exposure controls
Appropriate Engineering Controls
Ensure adequate ventilation.

Eye/Face Protection
Ensure that eye wash stations are close to the work area.
Use safety goggles

Skin Protection
Vinyl gloves.

Respiratory Protection
Ensure adequate ventilation.

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:	Silver / grey metallic solid.
(b) Odour:	No data available.
(c) Odour threshold;	No data available.
(d) pH:	No data available.
(e) Melting point/freezing point;	No data available.
(f) Initial boiling point and boiling range;	183 °C / 238 °C
(g) Flash point;	No data available.
(h) Evaporation rate;	No data available.
(i) Flammability (solid, gas);	No data available.
(j) Upper/lower flammability or explosive limits;	No data available.
(k) Vapour pressure;	No data available.
(l) Vapour density;	No data available.
(m) Relative density;	No data available.
(n) Solubility(ies);	Not soluble in water.
(o) Partition coefficient: n-octanol/water;	No data available.
(p) Auto-ignition temperature;	No data available.
(q) Decomposition temperature;	No data available.
(r) Viscosity;	No data available.
(s) Explosive properties;	No data available.
(t) Oxidising properties.	No data available.

9.2 Other information -

Section 10. Stability and Reactivity.

10.1. Reactivity	No data available.
10.2. Chemical stability	No data available.
10.3. Possibility of hazardous reactions	No data available.
10.4. Conditions to avoid	Sources of ignition. Naked flame. Heat.
10.5. Incompatible materials	Acids. Hydrogen peroxide. Oxidised substances.
10.6. Hazardous decomposition products	No data available.

Section 11. Toxicological Information.

11.1. Information on toxicological effects

No data available.

Section 12. Ecological Information.

12.1. Toxicity	No data available.
12.2. Persistence and degradability	No data available.
12.3. Bioaccumulative potential	No data available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	No data available.
12.6. Other adverse effects	No data available.

Section 13. Disposal Considerations.

13.1. Waste treatment methods

Dispose of in accordance with local authority regulations.

Section 14. Transport Information.

Not classified as hazardous for transport.

Section 15. Regulatory Information.

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

15.2. Chemical safety assessment
No data available.

Section 16. Additional Information.

Full text of Statements used in Section 3;

H317 May cause an allergic skin reaction.
H360 May damage fertility or the unborn child.
H362 May cause harm to breast-fed children.

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	06/12/2023	First issue.
2	29/01/2026	Section 2.2

End of Safety Data Sheet.