



## Section 1. Product and Company Identification.

**1.1 Model Number;** AK2962 v1  
**1.2 Description;** Premier Professional Soldering/Heating Kit  
Lead free solder

**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;** 20/12/2024

## Section 2. Hazards Identification.

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

May cause an allergic skin reaction.

**2.2 Label elements.**

**Hazard pictogram(s)**



**Signal Word.**

Danger

**Hazard statements;**

May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements;**

Use only outdoors or in a well-ventilated area.

**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 <sup>1</sup>
Tin	7440-31-5	>95 %	-	-
Rosin	8050-09-7	1.0 / 4.0 %	Skin Sens. 1	H317
Copper	7440-50-8	0.1 / 0.5 %	-	-

<sup>1</sup>For full text of Statements, see Section 16.

## Section 4. First Aid Measures.

### 4.1 Description of first aid measures

#### Inhalation

Move to fresh air.

#### Skin Contact

Rinse with copious amounts of water.

Use soap to removed contaminants.

#### Eye Contact

Rinse plenty of water for at least 15 minutes, or until irritation subsides.

#### Ingestion

Do not induce vomiting.

### 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

No data available.

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

No data available.

### 5.3. Advice for fire-fighters

No data available.



## Section 6. Accidental Release Measures.

**6.1.** Personal precautions, protective equipment and emergency procedures  
Carbon dioxide. Dry chemical. Foam. Water.

**6.2.** Environmental precautions  
Ventilate area. Remove sources of ignition.

**6.3.** Methods and material for containment and cleaning up  
Use vacuum cleaner with suitable filters to reduce dust dispersion.

**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  
Ensure adequate ventilation.  
Use Personal Protective Equipment.

**7.2.** Conditions for safe storage, including any incompatibilities  
Store in closed container.

**7.3.** Specific end use(s)  
Intended for use as the lead free solder for the 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 <sup>3</sup>	ppm	mg.m <sup>3</sup>
Rosin	8050-09-7	- 0.05	-	0.15	

### 8.2. Exposure controls

Appropriate Engineering Controls

Ensure adequate ventilation.

Eye/Face Protection

Safety goggles.

Skin Protection

Plastic or rubber gloves.

Protective work clothing to prevent contact with skin.

Respiratory Protection

Ensure adequate air extraction.

Prevent inhalation of fumes.

## 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. Flexible. Wire.
(b) Odour:	No data available.
(c) Odour threshold;	No data available.
(d) pH:	No data available.
(e) Melting point;	215 / 290 °C
(f) Initial boiling point and boiling range;	No data available.
(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) Density;	7.4g/cm <sup>3</sup>
(m) Relative density;	No data available.
(n) Solubility(ies);	Insoluble 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

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## Section 10. Stability and Reactivity.

10.1. Reactivity	No data available.
10.2. Chemical stability	Stable.
10.3. Possibility of hazardous reactions	No data available.
10.4. Conditions to avoid	High temperatures.
10.5. Incompatible materials	Acids. Hydrogen peroxide. Oxidising agents.
10.6. Hazardous decomposition products	Toxic oxides.

## Section 11. Toxicological Information.

### 11.1. Information on toxicological effects

Exposure routes: Inhalation. Skin contact.

Symptoms: May cause allergies, dizziness or eye irritation upon inhalation or skin contact.

Acute toxicity: May irritate eyes, nose, throat and skin.

## 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	-

## Section 13. Disposal Considerations.

### 13.1. Waste treatment methods

Dispose of in accordance with local authority regulations.



**Section 14. Transport Information.**

Not applicable to transport regulation.

**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.

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	18/05/2026	First issue.

End of Safety Data Sheet.