Section 1. Product and Company Identification.

1.1 Model Number; SD250K v1

1.2 Description; Professional Soldering Kit
Solder

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; 05 February 2016

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.
Eye Irritation (Category 2), H319
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

2.2 Label elements.
Hazard pictogram(s)



Signal Word. Warning

Hazard statements;
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

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

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	97.761%	-	H319 H335
Modified Rosin	65997-13-9	1.5%	Not classified	-
Copper	7440-50-8	0.739%	-	H317 H334

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

Section 4. First Aid Measures.

4.1 Description of first aid measures

Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Get medical advice/attention if you feel unwell.

Skin Contact
Wash off with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Eye Contact
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do Continue rinsing. If eye irritation persists, call a physician.

Ingestion
Rinse mouth. Do not induce vomiting. Get medical advice/attention.

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 water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture
Tin / Tin Oxides.

5.3. Advice for fire-fighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Section 6. Accidental Release Measures.

6.1. Personal precautions, protective equipment and emergency procedures
Evacuate personnel to safe areas.
Ensure adequate ventilation, especially in confined areas.
Remove all sources of ignition.
Avoid contact with skin, eyes and inhalation of vapours.
Use personal protection recommended in Section 8.

6.2. Environmental precautions
Prevent further leakage or spillage if safe to do so.
Do not allow into any sewer, on the ground or into any body of water.

6.3. Methods and material for containment and cleaning up
Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

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
Avoid contact with skin and eyes.
Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see Section 2.2

7.2. Conditions for safe storage, including any incompatibilities
Store in a cool place. Keep container tightly closed in a dry and well-ventilated place.
Air and moisture sensitive. Handle and store under inert gas.

7.3. Specific end use(s)
Intended for use as the 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

Chemical Name	Australia	Austria	Denmark	ACGIH TLV	NIOSH IDLH
Copper (CAS No. 7440-50-8)	1 mg/m^3 0.2 mg/m^3	STEL 4 mg/m^3 STEL 0.4 mg/m^3 TWA: 1 mg/m^3 TWA: 0.1 mg/m^3	TWA: 1.0 mg/m^3 TWA: 0.1 mg/m^3	TWA: 1.0 mg/m^3 fume TWA: 1 mg/m^3 Cu dust and mist	IDLH: 100 mg/m^3 dust, fume and mist IDLH: 100 mg/m^3 Cu dust and mist TWA: 1 mg/m^3 Dust and mist TWA: 0.1 mg/m^3 fume TWA: 1 mg/m^3 Cu dust and mist

8.2. Exposure controls

Appropriate Engineering Controls

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Eye/Face Protection

Face shield and safety glasses.

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin Protection

Use EN 374 specified protective gloves. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NISOH (US) or CEN (EU).

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:	Silvery solid.
(b) Odour:	Odourless.
(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);	Not flammable.
(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;	Not an explosive.
(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	Stable under normal conditions.
10.3. Possibility of hazardous reactions	No information available.
10.4. Conditions to avoid	Strong heating.
10.5. Incompatible materials	Strong oxidizing agents, chlorine, permanganates, e.g. potassium permanganate
10.6. Hazardous decomposition products	Carbon monoxide, carbon dioxide (CO_2), titanium/titanium oxides.

Section 11. Toxicological Information.

11.1. Information on toxicological effects

Acute Toxicity

Chemical Name	Oral LD50 (Rat)	Dermal LD50 (Rabbit)	Inhalation LC50
Copper (CAS No. 7440-50-8)	> 2500 mg/kg bw(rat)	> 2000 mg/kg bw(rat)	= 1.03 mg/L/4 h (rat)

Section 12. Ecological Information.

12.1. Toxicity	No information available.
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.

13.1. Waste treatment methods
Dispose of in accordance with local authority regulations.
Do not dispose of with household waste.
Do not dispose of product at landfill sites.

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;

H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.

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	12/01/18	First issue.

End of Safety Data Sheet.