



MATERIAL SAFETY DATA SHEET

Date of Issue: May 2007

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ChemTools Solder Wick
Product Type: Copper braid for solder removal
Company Address: ChemTools Pty. Ltd., PO Box4319, Penrith, NSW 2750
Ph: 02 4735 3126
EMERGENCY PHONE: Australia: Poisons Information Centre 13 1126
International: Infotrac (708) 918 1900

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	CAS #	%	TWA(NOHSC)	STEL
Copper	7440-50-8	99	0.2mg/m ³ (fume)	-
Modified Rosin	8050-097	<1	0.1mg/m ³ (rosin core solder pyrolysis products (as formaldehyde))	

3. HAZARDS IDENTIFICATION

Relevant routes of exposure: Harmful by inhalation, in contact with skin and if swallowed.
Potential Health Effects
Inhalation: Fumes and/or dusts produced by this product may be hazardous in case of inhalation.
Skin contact: This product may be hazardous in the case of skin contact (irritant, sensitiser).
Eye contact: This product may be hazardous in the case of eye contact (irritant).
Ingestion: This product may be hazardous in case of ingestion.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.
Skin contact: Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse.
Eye contact: Get medical attention if symptoms occur. Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Keep individual calm. Obtain medical attention. Wire strands could cause internal digestive tract bleeding.

5. FIRE-FIGHTING MEASURES

Flash point: Non-flammable
Autoignition temperature: Not available
Flammable/Explosive limits-lower %: Not available
Flammable/Explosive limits-upper %: Not available
Extinguishing media: Small fire: Use dry chemical powder. Large fire: Use water spray, fog or foam.
Special fire fighting procedures: None
Unusual fire or explosion hazards: None
Hazardous combustion products: Oxides of carbon. Irritating organic vapours. Some metallic oxides

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Prevent product from entering drains or open waters.
Clean-up methods: Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. When using do not eat, drink or smoke. Avoid breathing vapour and mist. Wash thoroughly after handling. Ensure sufficient ventilation of the area.

Storage: Keep in a cool, well ventilated area. Keep container tightly closed until ready for use.

Incompatible products: Refer to Section 10.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Ensure there is sufficient ventilation of the area, forced ventilation may still be required if concentrations exceed occupational exposure limits.

Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. butyl rubber gloves. Natural rubber gloves.

Eye/face protection: Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid (metallic braid with fine crystalline resin layer)

Colour: Metallic, Brown

Odour: None

pH: Not applicable

Melting point/range: 1100°C

Boiling point/range: 2562°C

Vapour density: Not available

Evaporation rate: Not available

Solubility in water: Negligible

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Oxides of carbon. Irritating and toxic organic vapours.

Incompatibility: Strong oxidizers. Strong acids.

Conditions to avoid: See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

11. TOXICOLOGICAL INFORMATION

Skin Exposure:

- Symptoms: Possible allergic rash reaction. See Section 4, this document
- Immediate Effects
- Delayed effects
- Chronic Effects
- Special Health effects

Eye Contact:

- Symptoms: Possible danger of metal fragments. See Section 4, this document
- Immediate Effects
- Delayed effects
- Chronic Effects
- Special Health effects

Inhalation:

- Symptoms: If the product is exposed to temperatures in excess of 82 °C, local ventilation must be used.
- Immediate Effects
- Delayed effects
- Chronic Effects
- Special Health effects

Ingestion:

- Symptoms: May be moderately irritating to stomach lining. Induce vomiting if instructed by medical personnel.
- Immediate Effects
- Delayed effects
- Chronic Effects
- Special Health effects

12. ECOLOGICAL INFORMATION



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Mobility: Not applicable.
Persistence and Biodegradability: Not applicable.
Bioaccumulative Potential: Not applicable.
Other Adverse Effects: Not applicable.

13. DISPOSAL CONSIDERATIONS

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

14. TRANSPORT INFORMATION

ADR / RID:
UN No: Harmonised Tariff Code: #7408.22.1000
ADR Class:
Road & Sea Freight Classification Copper wire coated with resin flux
Hazard ID No:
Labelling:
Packing group: Validated license # / General license symbol: "NLR"
Classification Code:

Water Transportation (IMO/IMDG):
UN No:
Class:
Packing group:
EmS:
Labelling:

International Air Transportation (ICAO/IATA):
UN No:
Labelling:
Packing group:
Packing Instructions:

15. REGULATORY INFORMATION

Hazard Symbols: This product does not require warning labels due to Hazards Classification as designated in Section 3

Risk Phrases: R36/37/38: Irritating to eyes, respiratory system, skin

Safety Phrases: S14: Keep away from children
S22: Do not breathe dust
S39: Wear eye/face protection

DISCLAIMER:

The information contained within this MSDS applies only to the ChemTools product to which the sheet relates. The information provided is based on our best knowledge at the time of issue.

The information contained within this MSDS is believed to be accurate and is given in good faith. However, no warranty is made, either expressed or implied, regarding its accuracy or any liability arising out of the use of the information herein or the product supplied.

When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classifications of the hazards have changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purpose other than that for which it was recommended. In such cases, a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work.

It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way.

They should check the adequacy of the information provided within this MSDS before passing it on to their customers/staff.