

GEMCUTS PTY LTD

Date of Issue 31-10-2019

**SAFETY DATA SHEET
COPPER SOLDER PASTE**

IMPORTANT NOTICE: This Safety Data Sheet (SDS) is issued by Gemcuts Pty Ltd in accordance with National Occupational Health and Safety Commission guidelines. The information contained in this document must not be added to, deleted or altered. Gemcuts Pty Ltd will issue a new SDS when there is a change in the product specifications and/or with the National Occupational Health and Safety Commission guidelines/ regulations. Gemcuts Pty Ltd will not accept any responsibility for any changes made to its SDS in content by any other person or organisation.

CLASSIFICATION OF MATERIAL

Some of the chemicals that make this product is hazardous according to health criteria of Worksafe Australia

1. IDENTIFICATION OF THE MATERIAL & SUPPLIER

Product	Copper Solder Paste
Recommended Use	Soldering
Supplier/Importer	Gemcuts Pty Ltd
ABN	43 780 687 841
Manufacturer	Euro Tool Inc.
Address	36A Smith Drive, West Ballina NSW 2478
Telephone Number	02 66911686
Facsimile	N/A
Email	admin@gemcuts.com.au
Emergency Telephone	131126 Poisons Information Centre 0427012014

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2. HAZARDS IDENTIFICATION

WARNING:

2.1 Hazards Classification:

N/A

2.2 Hazard Category:

Hazardous substance. Non-Dangerous Goods

2.3 Hazard Phrase(s):

H303; Harmful if swallowed

2.4 Precautionary Phrase(s):

P260; Do not breathe dust or fume

P264; Wash skin thoroughly after handling

P270; Do not eat, drink or smoke when using this product

P273; Avoid release to the environment

P280; Wear protective gloves/ protective clothing/ eye protection/ face protection

Emergency Overview: Always seek medical attention if unwell or irritated by the use of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Product Description: Metallic Paste

3.2 Contents

Chemical Name	CAS Number	Proportion %
Copper	7440-50-8	92.5%
Phosphorous	7723-14-0	7.5%

Copper is not classified as a Hazardous material.

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4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre,

Phone (Australia) 131 126

Inhalation: If fumes are breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a doctor.

Skin Contact: Wash off with soap and plenty of water. Shouldn't irritate the skin

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a Doctor.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a Doctor.

Seek immediate medical assistance if symptoms persist or in the case of over exposure.

Notes to Doctor: Treat symptomatically. Symptoms can be acute and delayed.

5. FIRE FIGHTING MEASURES

5.1 Explosion Hazard: N/A

5.2 Fire Fighting Advice: Fire fighters should use self-contained breathing apparatus.

5.3 Suitable Extinguishing Media: Any means suitable to the surrounding environment.

6. ACCIDENTAL RELEASE MEASURES

Emergency Action: Personal Protective Equipment should be used in recovery.

Contain in a suitable closed container. Reclaim where possible or recycle.

All elements that make up this product are found naturally in the earth and are expected to over time break down.

7. HANDLING & STORAGE

7.1 Handling Advice: Avoid inhalation and contact with eyes. Provide appropriate exhaust ventilation at places where fumes may form. For precautions, see section 2.4.

Good industrial hygiene should be taken.

7.2 Storage Advice: Keep container in a dry and well-ventilated place. Keep away from oxidising agents.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Occupational Exposure Limits:

Copper(fume) 7440-50-8 TWA 0.2mg/m³ STEL N/A

Phosphorous(fume) 7723-14-0 TWA 0.1mg/m³ STEL N/A

8.2 Engineering Control Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Avoid generating and breathing in dusts or fumes. Use with local exhaust ventilation.

8.3 Personal Protective Equipment:

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, HEAT PREVENTING GLOVES, APPROVED AIR PURIFYING RESPIRATOR.

Wear overalls, chemical goggles or face shield and heat impervious gloves. Avoid generating and inhaling dusts or fumes. Wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Hand protection should comply with AS 2161. Always wash hands before smoking, eating, drinking or using the toilet, Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Paste
Colour:	Metallic
Odour:	Mild
Size (millimetres)	110mm x 20mm
Weight (grams)	20g
Solubility:	N/A
Density	N/A
Melting Point (°C):	671°C

10. STABILITY & REACTIVITY

Chemical Stability: Stable under normal conditions

Conditions to Avoid: N/A

Hazardous Reactions: Will not occur

Incompatible Materials: Strong Oxidising Agents

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11. TOXICOLOGY INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Not Data

12. ECOLOGICAL INFORMATION

Phosphorous is harmful to aquatic organisms.

No data as a mixture.

As all products are found naturally, they are expected to break down over time.

13 DISPOSAL CONSIDERATIONS

Commonwealth, State and Local laws governing disposal of material can differ. Ensure proper disposal compliance with the proper authority before disposal.

14. TRANSPORT INFORMATION

- 14.1 **Road and Rail Transport:** N/A
- 14.2 **Marine Transport:** N/A
- 14.3 **Air Transport:** N/A

15. REGULATORY INFORMATION

Work Health and Safety Regulation 2017 Chapter 3 Part 3.2 Division 7

Managing risks from airborne contaminants

Safe Work Australia HCIS

GHS 7

AS 2161

AS/NZS 1715 & 1716

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16. OTHER INFORMATION

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Gemcuts Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact Gemcuts Pty Ltd at the contact details on page 1.

Gemcuts Pty Ltd responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.