

**GEMCUTS PTY LTD**

Date of Issue 30-10-2019

**SAFETY DATA SHEET  
COPPER BEARING 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**

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

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### 2. HAZARDS IDENTIFICATION

WARNING: Acute Toxicity.

#### 2.1 Hazards Classification:

Acute Oral Toxicity Cat 4

Skin Corrosion Cat 1

Serious Eye Damage Cat 1

Acute Aquatic Toxicity Cat 1

Chronic Aquatic Toxicity Cat 1

<b>NFPA HAZARD RATING</b>	Fire:(1, slight)	Health:(3, Extreme danger)	Reactivity: (0, minimal)
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**2.2 Hazard Category:** Hazardous substance. Non-Dangerous Goods

#### 2.3 Hazard Phrase(s):

**H302; Harmful if swallowed**

**H314; Causes sever skin burns and eye damage**

**H318; Causes serious eye damage**

**H400; Very toxic to aquatic life**

**H410; Very toxic to aquatic life with long lasting effects**

#### 2.4 Precautionary Phrase(s):

**P260; Do not breathe dust or mist**

**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**

**P301 + P312 + P330; If SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth**

**P301 + P330 + P331; If SWALLOWED: Rinse mouth. Do NOT induce vomiting.**

**P303 + P361 + P353; If ON SKIN: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.**

**P304 + P340 + P310; If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.**

**P305 + P351 + P338 + P310; If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately contact a**

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**POISON CENTER or doctor/physician.**

**P363; Wash contaminated clothing before use**

**P391; Collect spillage**

**P405; Store locked up**

**P501; Dispose of contents/containers to an approved waste disposal plant**

**Emergency Overview: Always seek medical attention if you come in contact. Symptoms can be delayed.**

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Product Description:** Grey Paste.

**3.2 Contents**

Chemical Name	CAS Number	Proportion %
Zinc Chloride	7646-85-7	10-15%
Ammonium Chloride	12125-02-9	2-5%

This mixture doesn't contain any further product that is classified as a Hazard.

### 4. FIRST AID MEASURES

**For advice, contact a Poisons Information Centre,**

**Phone (Australia) 131 126**

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

**Skin Contact:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a Doctor.

**Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a Doctor. Continue rinsing eyes during transport for medical attention.

**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**

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

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### 5. FIRE FIGHTING MEASURES

- 5.1** Explosion Hazard: None
- 5.2** Fire Fighting Advice: Hydrogen chloride gas, Zinc/zinc oxides can form with combustion. Fire fighters should use self-contained breathing apparatus.
- 5.3** Suitable Extinguishing Media: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Action:** Personal Protective Equipment must be used in recovery. All personnel not involved in the clean up should stay clear in a well ventilated or up wind area.

Pick up and arrange disposal without creating dust. Sweep up and shovel.

Contain in a suitable closed container

### 7. HANDLING & STORAGE

**7.1 Handling Advice:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. Provide appropriate exhaust ventilation at places where dust may form. For precautions, see section 2.4.

**7.2 Storage Advice:** Keep container tightly closed in a dry and well-ventilated place. Highly hygroscopic. Keep in a dry place. Non combustible, corrosive hazardous material.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Occupational Exposure Limits:

Ammonium Chloride(fume) 12125-02-9 TWA 10mg/m<sup>3</sup> STEL 20mg/m<sup>3</sup>

Zinc Chloride(fume) 7646-85-7 TWA 1mg/m<sup>3</sup> STEL 2mg/m<sup>3</sup>

**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, GLOVES, APPROVED AIR PURIFYING RESPIRATOR.

Wear overalls, chemical goggles or face shield and impervious gloves. Avoid generating and inhaling dusts or fumes. Wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. 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:	Grey
Odour:	Mild
Size (millimetres)	120mm x 20mm
Weight (grams)	15g
Solubility:	No Data
Density	No Data
Flash Point (°C):	No Data

### 10. STABILITY & REACTIVITY

**Chemical Stability:** Stable under normal conditions

**Conditions to Avoid:** Exposure to moisture

**Hazardous Reactions:** No Data

**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:

**Acute toxicity LD50 Oral – Rat – 350 mg/kg**

**Inhalation:** No data available

**Dermal:** No data available

**Skin corrosion/irritation:** No data available

**Serious eye damage/eye irritation:** No data available

**Germ cell mutagenicity:** No data available

**Carcinogenicity:** Not know to be

### 12. ECOLOGICAL INFORMATION

Zinc chloride LC50 96h Carp 0.4–2.2mg/L

Zinc chloride EC50 48h Daphnia magna 0.2mg/L

Zinc chloride LOEC 96h Psuedokirchneri ella subcapitata 12.5mg/L

Zinc Chloride is an Acute Aquatic toxic material.

Keep out of waterways. Harmful to marine life.

No Data on Biodegrading

### 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

**Not regulated**

14.1 **Road and Rail Transport:** Not Applicable

14.2 **Marine Transport:** Not Applicable

14.3 **Air Transport:** Not Applicable

### 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**

## SAFETY DATA SHEET

### 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.