

GEMCUTS PTY LTD

Date of Issue 8-11-2019

**SAFETY DATA SHEET
SILVER 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

Product	Silver Bearing Solder Paste. Solder It
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: Acute Toxicity.

2.1 Hazards Classification:

Acute Toxicity Oral: Cat 4

Skin Corrosion: Cat 1B

Serious Eye Damage: Cat 1

Acute Aquatic Toxicity: Cat 1

Chronic Aquatic Toxicity: Cat 1

NFPA HAZARD RATING	Fire: 1	Health: 3	Reactivity: 0
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2.2 Hazard Category: Hazardous substance. Non-Dangerous Goods

2.3 Hazard Phrase(s):

H302; Harmful if swallowed

H314; Causes severe 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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CONTINUED...

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 acute or 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 if unwell whilst using this product.

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/m³ STEL 20mg/m³

Zinc Chloride(fume) 7646-85-7 TWA 1mg/m³ STEL 2mg/m³

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. Avoid breathing vapours, 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)	10g
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 is an Acute Aquatic toxic material.

Keep out of waterways. Harmful to marine life.

No Data on Biodegrading

Harmful to aquatic life

Aquatic Toxicity:

Zinc chloride LC50 96h Carp 0.4 –2.2 mg/l Fish

Zinc chloride EC50 48h Daphnia magna 0.2 mg/l Crustacean

Zinc chloride LOEC 96h Psuedokirchneriella subcapitata 12.5 mg/l Algae

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

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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

NTC

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.