

GEMCUTS PTY LTD

Date of Issue 18-02-2021

**SAFETY DATA SHEET
TECHNOFLUX HEAT INSULATION 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	Technoflux Heat Insulating Paste, AP
Recommended Use	Soldering Insulator
Supplier/Importer	Gemcuts Pty Ltd
ABN	43 780 687 841
Manufacturer	Technoflux, S.L.
Address	36A Smith Drive, West Ballina NSW 2478
Telephone Number	02 66811686
Facsimile	N/A
Email	admin@gemcuts.com.au
Emergency Telephone	131126 Poisons Information Centre 0427012014

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2. HAZARDS IDENTIFICATION

Signal Word: N/A

2.1 Hazards Classification: Not Classified as hazardous

2.2 Hazard Category: Non-Hazardous substance. Non-Dangerous Goods

2.3 Hazard Phrase(s): N/A

2.4 Precautionary Phrase(s): N/A

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Product Description: Paste with an odour

3.2 Contents

Chemical Name	CAS Number	Proportion %
titanium dioxide	13463-67-7	5%

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre,

Phone (Australia) 131 126

Inhalation: Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

Skin Contact: Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Eye Contact: If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up. Seek medical assistance.

Ingestion: If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

Seek immediate medical assistance if symptoms persist or you are concerned.

No known acute or delayed effects from exposure to the product.

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5. FIRE FIGHTING MEASURES

5.1 Explosion Hazard: This product is non-flammable and non-explosive. Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

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

5.3 Suitable Extinguishing Media: Extinguisher powder or CO₂

6. ACCIDENTAL RELEASE MEASURES

Emergency Action: For exposure control and individual protection measures, see section 8.

Product not classified as hazardous for the environment, avoid spillage as much as possible.

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.).

Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate de-contaminator. Pour the de-contaminator on the remains in an opened container and let it act for a period of days until no further reaction is produced.

7. HANDLING & STORAGE

7.1 Handling Advice: The product does not require special handling measures, the following general measures are recommended:

For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers. In the application area, smoking, eating, and drinking must be prohibited. Follow legislation on occupational health and safety. Keep the product in containers made of a material identical to the original.

Storage Advice: The product does not require special storage measures. As general storage measures, sources of heat, radiation, electricity and contact with food should be avoided. Keep away from oxidising agents and from highly acidic or alkaline materials. Store the containers between 5 and 35° C, in a dry and well-ventilated place. Store according to local legislation. Observe indications on the label.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Occupational Exposure Limits:

titanium dioxide 13463-67-7 TWA 10mg/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 and/or mechanical exhaust ventilation.

8.3 Personal Protective Equipment:

OVERALLS, CHEMICAL GOGGLES, APPROVED AIR PURIFYING RESPIRATOR.

Wear overalls, chemical goggles or face shield. Avoid inhaling fumes. Wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716 if unable to achieve Exposure standards concentration in air. 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:	White Ceramic
Odour:	Earthy
Size (millimetres)	160mmL x 40mmW
Weight (grams)	150g
Solubility:	N/A
Density	N/A
Boiling Point (°C):	N/A
Ph	N/A

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10. STABILITY & REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Improper Handling.

Hazardous Reactions: Will not occur.

Incompatible Materials: Oxidising agents and highly alkaline or acidic materials in order to prevent an exothermic reaction.

Hazardous Decomposition Products: No decomposition if used for the intended uses.

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:

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin. Splatters in the eyes can cause irritation and reversible damage.

Acute toxicity: No conclusive data for classification.

Skin corrosion/irritation: No conclusive data for classification.

Serious eye damage/irritation: No conclusive data for classification.

Respiratory or skin sensitisation: No conclusive data for classification.

Germ cell mutagenicity: No conclusive data for classification.

Carcinogenicity: No conclusive data for classification.

Reproductive toxicity: No conclusive data for classification.

STOT-single exposure: No conclusive data for classification.

STOT-repeated exposure: No conclusive data for classification.

Aspiration hazard: No conclusive data for classification.

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12. ECOLOGICAL INFORMATION

Ecotoxicity: In their intended manner of use, these products should not be released into the environment, and adverse effects on ecosystems are not anticipated under recommended conditions of use, storage, and disposal.

Persistence and degradability: No information is available about persistence and degradability of the product.

Bio accumulative potential: No information is available regarding the bioaccumulation of the substances present.

Mobility in soil: No information is available about the mobility in soil. The product must not be allowed to go into sewers or waterways. Prevent penetration into the ground.

Results of PBT and vPvB assessment: No information is available about the results of PBT and vPvB assessment of the product.

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

No UN number has been assigned.

- 14.1 **Road and Rail Transport:** Not classified as hazardous or dangerous
- 14.2 **Marine Transport:** Not classified as hazardous or dangerous
- 14.3 **Air Transport:** Not classified as hazardous or dangerous

15. REGULATORY INFORMATION

Work Health and Safety Regulation 2017
Safe Work Australia HCIS
GHS 7
NTC
AS/NZS 1715
AS/NZS 1716

SAFTEY 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.