

GEMCUTS PTY LTD

Date of Issue 19-12-2019

**SAFETY DATA SHEET
TIN OXIDE**

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

This material is Not hazardous according to health criteria of Worksafe Australia

1. IDENTIFICATION OF THE MATERIAL & SUPPLIER

Product	Tin Oxide, Stannic Oxide
Recommended Use	Polishing, Electrical Contact Material, Brake Pads, Electrodes for Glass Melting
Supplier/Importer	Gemcuts Pty Ltd
ABN	43 780 687 841
Manufacturer	Keeling and Walker Ltd
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

SAFETY DATA SHEET

2. HAZARDS IDENTIFICATION

2.1 Signal Word:

None

2.2 Hazards Classification:

N/A

2.2 Hazard Category:

Non-Hazardous substance. Non-Dangerous Goods

2.3 Hazard Phrase(s):

H373: May cause damage to organs through prolonged or repeated exposure.

2.4 Precaution Phrase(s):

P261: Avoid breathing dust, may cause respiratory tract irritation.

Emergency Overview: Always avoid breathing dusts created by this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Product Description: White powder.

3.2 Contents

Chemical Name	CAS Number	Proportion %
Tin Oxide (SnO ₂)	18282-10-5	100%

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre,

Phone (Australia) 131 126

Inhalation: Give clean air to breathe

Skin Contact: Not a known irritant, if reaction occurs wash with plenty of water

Eye Contact: Wash with plenty of water

Ingestion: Consult a doctor if symptoms persist

Always seek medical attention if in doubt or symptoms persist

Notes to physician: Treat symptomatically. Chronic exposure to Tin Oxide dust may cause Stannosis.

SAFETY DATA SHEET

5. FIRE FIGHTING MEASURES

- 5.1 Explosion Hazard: None known, not combustible.
- 5.2 Fire Fighting Advice: Fire fighters should use self-contained breathing apparatus.
- 5.3 Suitable Extinguishing Media: Anything suitable to the surrounding environment.

6. ACCIDENTAL RELEASE MEASURES

Emergency Action:

Avoid release into the water ways.

Avoid breathing in dust. Wear appropriate PPE.

Pick up spilt material mechanically. Place into suitable containers if material cannot be recovered, transfer to waste container and dispose in local landfill in compliance with Local, State and Commonwealth regulations.

7. HANDLING & STORAGE

- 7.1 **Handling Advice:** Avoid breathing in dust created. Wear appropriate PPE.

Good industrial hygiene practice is recommended.

- 7.2 **Storage Advice:** Store at room temperature in a dry place with the lid on.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Occupational Exposure Limits:

Tin Oxide SnO₂ TWA 2mg/m³

8.2 **Engineering Control Measures:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Avoid generating and breathing in dusts. Use with local exhaust ventilation and while wearing a dust mask.

8.3 Personal Protective Equipment:

OVERALLS, GOGGLES, GLOVES, APPROVED DUST MASK.

Wear overalls, Safety glasses and impervious gloves. Avoid generating and inhaling dusts. If dust exists, 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.

SAFETY DATA SHEET

9. PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Solid
Colour:	White
Odour:	Odourless
Solubility:	Practically Insoluble
Size (millimetres):	Various. Powder like substance
Weight (grams):	Various
Density:	6.936
Flash Point (°C):	N/A
Melting Point (°C)	1613°C

10. STABILITY & REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Heat >1613°C

Hazardous Reactions: Will not occur under normal conditions

Incompatible Materials: Alkali metals, aluminium, zinc

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:

Ingestion: Gastrointestinal complaints

Eye Contact: Irritation

Skin Contact: None

Inhalation: Stannosis

Long Term Effects: Inhalation of tin oxide dust over long periods of time may cause Stannosis (pneumoconiosis)

Oral Non-Toxic – LD50 > 2000mg/kg

Inhalation Non-Toxic LC50 > 2040mg/L

SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

Insoluble in water. All ingredients are inert in the environment under normal conditions.

Fish 96H LC50 > 100mg/L

Invertebrates 24h EC50 > 0.1g/L

Single cell algae 72h EC50 > 100mg/L

Mobility in soil: No Data

Degradability: No Data

Bioaccumulate Potential: No Data

13 DISPOSAL CONSIDERATIONS

Not classified as hazardous. 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:** Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail

14.2 **Marine Transport:** Not Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

14.3 **Air Transport:** Not Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

14.4 **Proper Shipping Name:** N/A

15. REGULATORY INFORMATION

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

Managing risks from airborne contaminants

Safework Australia

AS/NZS 1715

AS/NZS 1716

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.