

## **GEMCUTS PTY LTD**

Date of Issue: 8-09-2025

## **SAFETY DATA SHEET**

### **Casting Sheet Wax**

IMPORTANT NOTICE: This Safety Data Sheet (SDS) is issued by Gemcuts Pty Ltd in accordance with Safe Work Australia and Globally Harmonized System (GHS) 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 relevant WHS regulations. Gemcuts Pty Ltd will not accept any responsibility for any changes made to its SDS in content by any other person or organisation.

### **1. IDENTIFICATION OF THE MATERIAL & SUPPLIER**

Product Name: Casting Sheet Wax

Recommended Use: For casting and modelling applications

Supplier/Importer: Gemcuts Pty Ltd

ABN: 43 780 687 841

Manufacturer: Freeman Manufacturing and Supply Co.

Address: 36A Smith Drive, West Ballina NSW 2478, Australia

Telephone Number: 02 6681 1686

Email: admin@gemcuts.com.au

Emergency Telephone: 131126 (Poisons Information Centre)

## 2. HAZARDS IDENTIFICATION

Classification under GHS (Australia):

Not classified as hazardous according to Safe Work Australia criteria.

Not classified as a dangerous good according to the ADG Code.

Label Elements:

- Signal Word: None

- Hazard Statements:

**H333:** May be harmful if inhaled (fumes from overheating/melting).

**H335:** May cause respiratory irritation (fumes if overheated).

**H316:** May cause mild skin irritation (molten wax can cause burns).

**H320:** May cause eye irritation (molten wax can cause severe burns).

Precautionary Statements:

**P261:** Avoid breathing fumes.

**P280:** Wear protective gloves/eye protection/face protection when handling molten wax.

**P271:** Use only outdoors or in well-ventilated area.

**P302+P352:** If on skin: wash with plenty of soap and water.

**P305+P351+P338:** If in eyes: rinse cautiously with water for several minutes. Seek immediate medical attention if molten wax contacts eyes.

Other Hazards:

- Product is stable in solid form.

- Heating above normal working temperatures can generate irritating fumes.

- Contact with molten wax may cause thermal burns.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Product Description: Solid wax sheet

Ingredients: Non-hazardous hydrocarbon wax blend – 100%

## 4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If difficulty breathing, seek medical attention immediately.

Skin: Wash with soap and water. If molten wax contacts skin, cool with water—do not remove hardened wax. Seek medical advice for burns.

Eye: Flush cautiously with water for 15 minutes. If molten wax contacts eyes, treat as a thermal burn. Seek immediate medical attention.

Ingestion: Rinse mouth, give water. Do not induce vomiting. Seek medical advice if unwell.

Notes to Doctor: Treat symptomatically. Mineral oil may soften hardened wax on skin.

## 5. FIRE FIGHTING MEASURES

Flammability: Not highly flammable but will burn if ignited.

Suitable Extinguishing Media: CO<sub>2</sub>, foam, water spray, dry chemical.

Specific Hazards: Combustion may release carbon monoxide and carbon dioxide.

Firefighting Advice: Firefighters should wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

Spill Response: Solid wax can be collected mechanically. If molten, allow to cool and harden before disposal. Wear PPE to prevent skin and eye contact. Avoid inhaling fumes.

## 7. HANDLING & STORAGE

Handling: Avoid contact with skin and eyes. Do not overheat wax. Ensure good ventilation when melting. Wear gloves, eye protection, and protective clothing.

Storage: Store in a cool, dry, well-ventilated area away from ignition sources. Do not heat above flash point.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards (Safe Work Australia): Paraffin wax fumes TWA: 2 mg/m<sup>3</sup>; STEL: 2 mg/m<sup>3</sup>.

Engineering Controls: Ensure adequate ventilation during heating/melting.

PPE:

- Respiratory: P2 mask if fumes are generated
- Hands: Heat-resistant gloves (AS/NZS 2161)
- Eyes: Goggles/face shield (AS/NZS 1337)
- Clothing: Protective clothing to prevent skin contact

## 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Solid wax sheet

Colour: Typically opaque

Odour: Mild

Density: ~0.9 g/cm<sup>3</sup>

Boiling Point: >200°C

Solubility: Insoluble in cold water

State: Solid

## 10. STABILITY & REACTIVITY

Stable under normal use.

Avoid heat, flame, ignition sources.

Hazardous Decomposition: CO, CO<sub>2</sub> when burned.

No hazardous polymerisation expected.

## **11. TOXICOLOGICAL INFORMATION**

Ingestion: May cause nausea, vomiting. Not classified as harmful.

Eye: Molten wax may cause burns. Dust/fumes may irritate.

Skin: Molten wax causes burns; solid wax generally non-irritant.

Inhalation: Heated fumes may cause mild respiratory irritation.

Chronic Effects: No known long-term effects. Not a carcinogen.

## **12. ECOLOGICAL INFORMATION**

No evidence of adverse ecological effects. Not biodegradable but not hazardous in solid form.

## **13. DISPOSAL CONSIDERATIONS**

Dispose of waste wax in accordance with local/state regulations. Not classified as hazardous waste.

## **14. TRANSPORT INFORMATION**

ADG/IATA/IMDG: Not classified as Dangerous Goods.

Proper Shipping Name: Not applicable.

## **15. REGULATORY INFORMATION**

Work Health and Safety Regulation 2017 (Australia) – compliant.

Exposure Standards for paraffin wax fumes apply when heating/melting.

## **16. OTHER INFORMATION**

This SDS provides health and safety guidance based on information available at the time of issue. Users must determine suitability for use and ensure compliance with WHS.

Prepared by: Gemcuts Pty Ltd

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