

## **GEMCUTS PTY LTD**

Date of Issue: 26-08-2025 (Supersedes previous versions)

### **SAFETY DATA SHEET**

#### **Adalox / Silicon Carbide Sanding Discs**

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: Adalox / Silicon Carbide Sanding Discs

Recommended Use: Abrasive articles for sanding and grinding

Supplier/Importer: Gemcuts Pty Ltd

ABN: 43 780 687 841

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

Telephone Number: 02 6681 1686

Email: [admin@gemcuts.com.au](mailto:admin@gemcuts.com.au)

Emergency Telephone: 131126 (Poisons Information Centre)

## 2. HAZARDS IDENTIFICATION

Classification (as supplied/article): Not classified as hazardous under GHS when in intact disc form.

Dust generated during sanding/grinding:

- STOT RE 2 (H373): May cause damage to lungs through prolonged or repeated inhalation
- Eye irritation 2B (H320): Causes eye irritation
- Skin irritation 3 (H316): Causes mild skin irritation

Signal Word: WARNING (applies to dust exposure only)

Pictogram: Health hazard (dust risk)

Hazard Statements:

**H316** – Causes mild skin irritation (dust)

**H320** – Causes eye irritation (dust)

**H373** – May cause lung damage through prolonged or repeated inhalation (dust)

Precautionary Statements:

**P260** – Do not breathe dust

**P264** – Wash thoroughly after handling

**P271** – Use only outdoors or in well-ventilated area

**P280** – Wear protective gloves, clothing, eye protection, P2 respirator

**P314** – Get medical advice if feeling unwell

**P501** – Dispose of in accordance with local regulations

Emergency Overview: Solid abrasive article. Dust from cutting, grinding or sanding may irritate eyes, skin, and respiratory tract; prolonged exposure may cause pneumoconiosis.

Note: Product contains quartz (crystalline silica 0.01–0.14%). No respirable quartz was detected in simulated use; health effects associated with crystalline silica are not expected during intended use.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Coated abrasive disc consisting of abrasive grain, backing and resin adhesive.

Ingredients:

- Paper backing: 20–60%
- Silicon carbide (CAS 409-21-2): 15–35%
- Cured resin (mixture): 15–50%
- Filler (CAS 37244-96-5): 1–5%
- Quartz (crystalline silica, CAS 14808-60-7): 0.01–0.14%

#### 4. FIRST AID MEASURES

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.

Eye: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Seek medical advice if irritation persists.

Skin: Wash with soap and water.

Ingestion: Unlikely under normal use. Rinse mouth and seek medical advice if large amounts of dust are swallowed.

Notes to Physician: Treat symptomatically. Long-term inhalation of dust may cause pneumoconiosis.

#### 5. FIRE FIGHTING MEASURES

Flammability: Not applicable to intact discs. Treat surrounding fire.

Extinguishing Media: Water, foam, dry chemical, CO<sub>2</sub>.

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

Hazardous Decomposition: May release carbon oxides and metal oxides on combustion.

#### 6. ACCIDENTAL RELEASE MEASURES

For intact discs: Not applicable.

If dust or broken material present: avoid generating dust, use HEPA vacuum or wet methods, wear PPE, prevent entry into drains or waterways.

#### 7. HANDLING & STORAGE

Handling: Industrial/professional use only. Avoid breathing dust. Always wear PPE. Inspect discs for cracks/damage before use.

Storage: Store flat in a cool, dry, well-ventilated area to prevent warping.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Standards (Safe Work Australia):

- Silicon carbide (respirable dust): 3 mg/m<sup>3</sup> TWA
- Quartz (respirable crystalline silica): 0.05 mg/m<sup>3</sup> TWA (8h)

Engineering Controls: Use local exhaust/dust extraction to maintain airborne dust below exposure standards.

PPE:

- Respiratory: P2 respirator (AS/NZS 1716)
- Eye: Safety glasses/goggles (AS/NZS 1337)
- Hands: Protective gloves (AS/NZS 2161)
- Clothing: Long sleeves/overalls

## 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Solid abrasive disc, various sizes and grits

Colour: Black/grey (abrasive surface)

Odour: Odourless

Physical State: Solid article

Melting Point: >2000°C (abrasive grain)

Solubility: Insoluble in water

Flammability: Not flammable

## 10. STABILITY & REACTIVITY

Stable under normal conditions.

Avoid excessive heat and open flames.

No hazardous polymerisation expected.

Hazardous Decomposition: Carbon oxides and metal oxides under fire conditions.

## 11. TOXICOLOGICAL INFORMATION

Routes of exposure: inhalation of dust, eye/skin contact.

Acute: Dust may cause eye, skin, respiratory irritation.

Chronic: Prolonged or repeated inhalation of dust may cause pneumoconiosis.

Product contains trace quartz (0.01–0.14%), but no respirable quartz detected in simulated use.

## 12. ECOLOGICAL INFORMATION

Not expected to present environmental hazard as an intact article.

Dust may cause physical effects (sedimentation in water).

Not biodegradable. No bioaccumulation expected.

## 13. DISPOSAL CONSIDERATIONS

Dispose of used product and dust according to local/state/federal regulations. Not classified as hazardous waste.

## 14. TRANSPORT INFORMATION

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

Proper Shipping Name: Adalox / Silicon Carbide Sanding Discs (abrasive articles)

## 15. REGULATORY INFORMATION

Classified under GHS as adopted in Australia.

Relevant Standards:

- AS/NZS 1715 – Selection, use and maintenance of respiratory protective equipment
- AS/NZS 1716 – Respiratory protective devices
- AS/NZS 1337 – Eye protection
- AS/NZS 2161 – Protective gloves

## **16. OTHER INFORMATION**

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

Prepared by: Gemcuts Pty Ltd

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