

# Safety Data Sheet (SDS) - GRIPMAX HEAVY DUTY TILE ADHESIVE

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## Product Identification

Product Name: GripMax Heavy Duty Tile Adhesive (C2 cement-based powder)

Intended Use: Heavy-duty tile adhesive for internal and external floor and wall applications.

Supplier: GripMax (Melbourne, Australia). Contact details available via official product catalog or website.

## 1. Identification

- Product Type: Cementitious powder tile adhesive
- Recommended Use: For fixing mosaic, ceramic, porcelain, natural stone, and glass mosaics onto substrates such as concrete, cement sheet, plasterboard, membranes, and screed.

## 2. Hazards Identification

- GHS Classification:
- - Skin Irritation, Category 2 (H315)
- - Serious Eye Damage, Category 1 (H318)
- - Skin Sensitisation, Category 1B (H317)
- - STOT SE 3 – respiratory irritation (H335)
- Other Hazards: May generate respirable crystalline silica dust, risk of silicosis.

## 3. Composition / Ingredients

- 50–75% free crystalline silica
- 20–50% Cement (Cr(VI) < 2 ppm)
- Fillers such as calcium carbonate

## 4. First-Aid Measures

- Skin Contact: Wash thoroughly, remove contaminated clothing, seek medical advice if irritation persists.
- Eye Contact: Rinse with water for several minutes, seek immediate medical attention.
- Inhalation: Move to fresh air, seek medical help if symptoms develop.
- Ingestion: Rinse mouth, do not induce vomiting, seek medical advice.

## 5. Fire-Fighting Measures

- Suitable Extinguishing Media: Water or carbon dioxide.
- Hazards: May produce heavy smoke during combustion.
- Protection: Firefighters should wear breathing apparatus.

## 6. Accidental Release Measures

- Personal Protection: Use PPE, avoid dust inhalation.
- Environmental: Prevent entry into drains/waterways.
- Clean-up: Collect mechanically, dispose per regulations.

## 7. Handling and Storage

- Handling: Avoid dust generation, use in ventilated areas.
- Storage: Keep sealed in a cool, dry, ventilated area.

## 8. Exposure Controls / Personal Protection

- Exposure Limits (AU): Crystalline silica – 0.05 mg/m<sup>3</sup>.
- Controls: Use local exhaust ventilation.
- PPE: Eye protection, gloves, dust respirator, protective clothing.

## 9. Physical & Chemical Properties

- Form: White/grey powder.
- Odour: Cement-like.
- pH (10% dispersion): ~12.5 (alkaline).

## 10. Stability & Reactivity

- Stable under normal conditions.
- Avoid moisture ingress and strong acids/oxidants.

## 11. Toxicological Information

- Routes: Inhalation, skin, eyes.
- Effects: Skin irritation, eye damage, respiratory irritation, allergic reactions, silicosis with chronic exposure.

## **12. Ecological Information**

- Avoid dispersal into waterways.
- Inert material, unlikely to bioaccumulate.

## **13. Disposal Considerations**

- Dispose of product through a licensed waste contractor.
- Packaging should be rinsed and disposed of properly.

## **14. Transport Information**

- Not regulated as dangerous goods.

## **15. Regulatory Information**

- Complies with Australian WHS regulations for hazardous chemicals.
- All components listed on AICIS inventory.