

niche. surfaces

Safety Data Sheet (SDS)

Product: Niche Surfaces Mineral Slabs

Version: V1

Revision date: 16/03/2026 (review period every 5 years or when new safety information becomes available)

Prepared for: Niche by Vitium Pty Ltd (trading as Niche Surfaces)

Prepared according to GHS and Safe Work Australia SDS requirements

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1. Identification

Product Name: Niche Surfaces Mineral Slabs

Recommended Uses: Benchtops, furniture surfaces, internal wall cladding and architectural applications.

Supplier: Niche by Vitium Pty Ltd

Address: 32 Mosey Street, Landsdale WA 6065

Phone: (08) 9302 1200

Emergency Contact: Poisons Information Centre Australia – 13 11 26

2. Hazard Identification

Not classified as hazardous according to the Globally Harmonised System (GHS) and Safe Work Australia criteria when supplied as a solid slab.

Hazard classification is based on dust generated during fabrication processes.

The finished slab supplied as a solid article is inert and does not present a health hazard during normal handling.

Hazards may arise during cutting, grinding, drilling, polishing or machining.

Dust generated during these processes may contain respirable crystalline silica.

Signal Word: **DANGER**



Hazard Statements:

H350i – May cause cancer by inhalation.

H335 – May cause respiratory irritation.

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

Precautionary Statements:

P201 – Obtain special instructions before use.

P202 – Do not handle until all safety precautions have been read and understood.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313 – IF exposed or concerned: Get medical advice/attention.

P405 – Store locked up.

P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

Product Classification Statement:

This product is a decorative mineral slab manufactured predominantly from recycled glass bound within a polymer resin matrix.

Analytical testing confirms crystalline silica (CAS 14808-60-7) is present only as a trace impurity at concentrations below 1% by weight.

Based on current Australian regulatory definitions this product does not meet the definition of engineered stone restricted under workplace health and safety regulations.

The finished slab is an inert solid article. Potential health hazards arise only during fabrication activities that generate airborne dust.

3. Composition / Information on Ingredients

Ingredient	CAS Number	EC Number	Content
Recycled Glass (Amorphous Silica)	60676-86-0	262-373-8	>80%
Resin Binder	26123-45-5	-	<18%
Quartz (Crystalline Silica)	14808-60-7	238-878-4	<1%
Additives / Pigments (incl. Titanium Dioxide)	Various	-	Remainder

Testing Reference Note: Crystalline silica content verified using X-ray diffraction (XRD) testing conducted in Australia by a NATA-accredited laboratory.

4. First Aid Measures

Eye Contact: Rinse eyes with clean water for several minutes.

Skin Contact: Wash skin with soap and water.

Inhalation: Move person to fresh air and seek medical advice if irritation persists.

Ingestion: Ingestion is unlikely due to product form. If dust is swallowed, rinse mouth with water. Do not induce vomiting. Seek medical advice if symptoms occur.

CAUTION: Dust may cause respiratory irritation. Prolonged inhalation of respirable crystalline silica dust generated during fabrication may cause lung disease including silicosis and lung cancer. Dust may also cause skin and eye irritation.

5. Fire Fighting Measures

Non-flammable solid material.

Use extinguishing media appropriate to surrounding fire conditions.

Combustion of resin components may produce carbon monoxide and carbon dioxide.

6. Accidental Release Measures

Avoid generating dust. Wear appropriate PPE and ensure adequate ventilation when handling debris. Solid slabs should be collected and reused or disposed appropriately.

Dust or debris should not be dry swept.

Clean surfaces by wet hosing or damp wiping.

Use H-Class (HEPA) industrial vacuum systems for dust collection.

7. Handling and Storage

Use wet cutting and dust extraction during fabrication.

Cutting, grinding or drilling of this product must be performed using wet methods and effective dust control measures. Failure to follow recommended fabrication practices may result in the release of hazardous airborne dust.

Dry cutting, dry grinding or dry drilling should be avoided.

Handle slabs carefully to avoid breakage.

Maintain good hygiene practices. Wash hands prior to eating, drinking or using the toilet.

Keep work areas clean.

Do not eat, drink or smoke when handling material.

Store in a cool, dry place and use appropriate racking systems to store product safely.

8. Exposure Controls / Personal Protection

Engineering Controls:

- Wet cutting equipment with integrated water delivery
- Local exhaust ventilation
- Dust extraction systems connected to machinery

Workshop Controls:

- Mechanical ventilation
- Isolation of cutting areas

Cleaning Controls:

- H-Class (HEPA) industrial vacuum systems
- Wet cleaning methods

Personal Protective Equipment:

- Respiratory Protection: P2 respirator when dust is generated or a powered air purifying respirator (PAPR).
- Eye Protection: Safety glasses or dust-proof goggles
- Gloves: Work gloves recommended

9. Physical and Chemical Properties

Appearance: Solid decorative mineral slab

Odour: None

Density: approx. 2300–2800 kg/m³

Solubility: Insoluble in water

10. Stability and Reactivity

Stable under normal conditions.

Avoid contact with hydrofluoric acid.

The product is non-flammable. Resin components may decompose under extreme heat.

11. Toxicological Information

The intact product does not present a health hazard.

Dust generated during fabrication may cause eye irritation, skin irritation and respiratory irritation.

Respirable crystalline silica (CAS 14808-60-7) is classified by IARC as Group 1 – Carcinogenic to humans

Titanium dioxide (CAS 13463-67-7) present in pigments is classified by IARC as Group 2B when inhaled as airborne dust – Possibly carcinogenic to humans.

Amorphous silica (CAS 112945-52-5) is classified by IARC as Group 3 – Not classified to be carcinogenic to humans. Dust may cause irritation to eyes, skin and respiratory tract.

12. Ecological Information

Inert solid material with no expected significant environmental hazard.

13. Disposal Considerations

Reuse the product where possible.

Collect dust using H-Class vacuum systems.

Dispose of dust in sealed containers to prevent dust release.

Dispose of waste in accordance with local government regulations.

14. Transport Information

Not classified as Dangerous Goods under ADG, IMDG or IATA.

15. Regulatory Information

Crystalline silica (CAS 14808-60-7) is present at concentrations below 1% by weight.

Product does not meet the definition of engineered stone under current Australian regulatory restrictions.

Not scheduled as a poison under SUSMP.

All components are listed on the Australian Inventory of Industrial Chemicals (AIIC).

16. Other Information

Abbreviations:

ADG – Australian Dangerous Goods Code

AIIC – Australian Inventory of Industrial Chemicals

CAS – Chemical Abstract Service

GHS – Globally Harmonised System

IARC – International Agency for Research on Cancer

IATA – International Air Transport Association

IMDG – International Maritime Dangerous Goods Code

SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

PPE – Personal Protective Equipment

Disclaimer:

This SDS is based on available information from supplier documentation, analytical testing and regulatory guidance.

The composition information in this Safety Data Sheet reflects the product specification and analytical testing available at the time of preparation. Minor variations in raw material sources or manufacturing batches may occur within controlled product specifications and are not expected to alter the hazard classification or safety characteristics of the product.

The supplier relies on information provided by the product manufacturer and independent analytical testing where available.

Appendix A – Workplace Exposure Standards

Ingredient	CAS Number	Exposure Standard
Quartz (Crystalline Silica)	14808-60-7	0.05 mg/m ³ (TWA)
Titanium Dioxide	13463-67-7	10 mg/m ³ (inhalable dust TWA)
Amorphous Silica	112945-52-5	2 mg/m ³ (respirable fraction) TWA