

Safety Data Sheet



1. Product and Company Identification

1.1 Product Name/Type:

Engineered benchtops and countertops made from Australian recycled glass

1.2 Details of Manufacturer:

Eco Benchtops Pty Ltd
4 Broadfield Rd, Broadmeadows Vic 3047
Ph: (03) 7018 2170
info@ecobenchtops.com.au
www.ecobenchtops.com.au

1.3 Emergency Phone:

(03) 7018 2170 (normal business hours)
Poisons Information Centre 131126

1.4 Product Use:

Household and other furniture applications

1.5 Product Composition and Information on Ingredients:

Each Eco Benchtop slab (referred to as slab) is made from crushed recycled glass (83-85%), polyester binding agent (12-14%) pigments and other agents (1-2%)

Chemical Identity	CAS No	Weight
Recycled Crushed Glass (Amorphous Silica)	65997-17-3	80-82%
Crystalline Silica	14808-60-7	<1%
Polyester Resin	Numerous	15-18%
Other composite and pigment	Numerous	<3%

*The chemical composition varies per slab depending on its colour and patterns

2. Hazard Identification

- Not classified as hazardous according to Worksafe Australia criteria
- Not classified as a dangerous good by ADG Code criteria
- The cured slabs do not pose any health hazards related to inhalation, skin contact, eye contact or ingestion

3. Recommended Cutting and Grinding

- Use wet cutting and grinding methods ie., tools with water suppression.
- Wear safety glasses and an approved P2 Mask (minimum standard).
- Protective gloves

Hazard Statement(s)

Code	Description
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Prevention Statement (s)

Code	Description
P261	Avoid breathing dust
P264	Wash skin thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection against dust
P302+P352	IF ON SKIN - wash with plenty of soap and water
P304+P340	IF INHALED - remove to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES - Rinse cautiously with water for several minutes.
P321	Remove contact lenses if present (and easy to do). Continue rinsing. Call a POISON CENTRE or doctor if feeling unwell
P332+P337+P313	Specific treatment is advised - see first aid instructions
P362	If skin or eye irritation occurs - get medical advice or attention. Take off contaminated clothing and wash before reuse.
P501	Disposal Statement(s): Dispose of contents/containers in accordance with relevant regulations.

4. Description of First Aid Measures

4.1 Inhalation

- Move to fresh air
- If difficulty in breathing or respiratory irritation; seek immediate medical attention

4.2 Skin Contact

- Wash affected area thoroughly with soap and water for at least 20 minutes
- If irritation develops or persists; seek medical attention

4.3 Eye Contact

- Immediately flush with water for at least 20 minutes
- Remove contact lenses, if present
- If irritation develops or persists, seek medical attention

5. Fire Fighting Measures

5.1 Flammability Flash Point 700°C

5.2 Extinguishing Media

- Immediately remove all personnel from affected area
- Wear self-contained and use breathing apparatus and protective clothing as necessary.

- 5.3 Specific hazards arising from the Substance or Mixture
- Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

6. Accidental Release Measures

- 6.1 Cured Eco Benchtops product is considered to be solid, no special precautions.
- 6.2 Manufacturer recommends all dust created during cutting/grinding to be removed via vacuum cleaners and any unused pieces of the slab disposed as per the method of disposal by the fabricator

7. Handling and Storage

- 7.1 Wear gloves when handling slabs to avoid injury from sharp edges.
- 7.2 Slabs should be securely stacked on 4 post "A" frames with vertical support. Each slab weighs 185kg and will break if it falls.
- 7.3 Store slabs away from harsh weather.

8. Exposure Controls/Personal Protection

No specific Permissible Exposure Limit is relevant for personnel working with slabs. The recommendations below should be considered when sanding, machining slabs where the possibility of dust generation exists:

- 8.1 Provide adequate general and local exhaust ventilation to control airborne concentrations to below the occupational exposure limit values:
- 8.2 When sanding, cutting, grinding the cured product, it is recommended that wet cutting tools is used to control dust in airborne and vacuum cleaners are used to collect any excess dust around the work area

9. Personal Protective Equipment

- 9.1 Approved safety glasses with side shields
- 9.2 P2 mask for protection against dust when cutting or grinding

10. Skin Protection

- 10.1 Nitrile gloves and covered clothing to minimise skin contact with generated dust or constant water contact from wet cutting tools

11. Respiratory Protection

- 11.1 If ventilation is insufficient to keep airborne concentrations below the occupational exposure limits under Workplace Exposure Standards for Airborne Contaminants (0.025 mg/cubic sqm)

12. Physical and Chemical Properties

Name	Description
Appearance	Varies by slab colour and texture
Odour	Styrene solvent vapour is given off in small quantities after production but completely dissipates within 3 days of production
PH	No data available
Melting Point	No data available
Initial Boiling Point/Boiling Range	No data available
Flash Point	Solid - no flash point
Evaporation rate	Causes skin irritation
Flammability	AS/NZS 1530:3:199 at 700 degC
Upper and Lower Flammability	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility	Insoluble in water
Partion Coefficient of Thermal	No data available
Auto-Ignition Temperature	No data available
Decomposition temperature	No data available
Viscosity	Varies by product
Explosive properties	No data available

13. Stability and Reactivity

- 13.1 **Reactivity** - Stable under normal conditions of use, storage and transportation.
- 13.2 **Chemical Stability** - Stable at normal temperatures and storage conditions.
- 13.3 **Physical Stability** - Avoid dropping from height to ground level to avoid breakage.
- 13.4 **Incapability with other products** - Acetone and hydrofluoric acid.
- 13.5 **Hazardous decomposition products** - No data available however decomposition can release carbon dioxide and carbon monoxide.

14. Toxicological Information

- 14.1 **Acute toxicity**
Low toxicity. Under normal conditions of use adverse health effects are not anticipated.

- 14.2 **Skin corrosion/irritation**
Low toxicity. Under normal conditions of use adverse health effects are not anticipated.
- 14.3 **Serious eye damage/irritation**
Data for ingredients were not found or not sufficient for classification however if dust from slabs enter the eyes immediately wash with running water clean water and if symptoms persist then seek medical attention.
- 14.4 **Respiratory**
Dust emitted from cutting and grinding slabs is not poisonous however manufacturer recommends using a P2 mask, safety glasses and gloves whilst handling it.
- 14.5 **Sensitisation**
Data for ingredients were not found or sufficient for classification.
- 14.6 **Mutagenicity**
Data for ingredients were not found or sufficient for classification.
- 14.7 **Reproductive Toxicity**
Data for ingredients were not found or sufficient for classification.
- 14.8 **STOT single exposure**
Dust generated from cutting/sanding Eco Benchtops does not present any toxicity however safety glasses, P2 mask is recommended to wear when cutting/sanding.

15. Ecological Information

- 15.1 **Acute toxicity**
Slabs are cured under heat and pressure which makes the product insoluble and therefore does not emit acute toxicity and inhibits the growth of micro-organisms on its surface..
- 15.2 **Chronic toxicity**
Data for ingredients were not found or not sufficient for classification.
- 15.3 **Degradability**
This product is not anticipated to cause adverse effect to animal or plant life if released to the environment in small quantities. Not expected to bioaccumulate.
- 15.4 **Other adverse effects**
No additional data is available.

16. Disposable Considerations

- 16.1 **Eco Benchtops can be recycled or must be disposed of in accordance with local regulatory requirements.**

17. Transportation

17.1 Not classified as a dangerous good by ADG Code criteria.

Name	Description
UN Number	None
UN Proper Shipping Name	Not regulated
Transport hazard (class(es))	None
Packaging Group	None
Environmental Hazards	None
Special precautions for user	None

Disclaimer

The information in this document is believed to be accurate at the time of preparation. To the extent permitted by law, no responsibility is accepted for any loss or damage caused by any person acting or refraining from action because of this information. This information should not be construed as a recommendation to use this product. Users should rely on their knowledge and enquiries and make their own determination as to the applicability of this information in relation to their particular purposes and their circumstances. Users should read this SDS in the context of their intended use of the product and how it will be handled in their workplace and in conjunction with other materials and equipment.

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