

MATERIAL SAFETY DATA SHEET

BUILDING PRODUCTS: CONCRETE MASONRY BLOCKS, PAVERS, RETAINING WALLS

These substances are classified as Hazardous according to criteria of Worksafe Australia.

IDENTIFICATION

Product Name:	Concrete Masonry Blocks, Pavers, Retaining Walls and Caps.
Other Names:	Grey Blocks, Concrete Pavers, Link Wall.
Manufacturer's Code:	Not Applicable
UN Number:	None Allocated
Dangerous Goods Class and Subsidiary Risk:	Not Dangerous Goods
Hazchem Code:	None Allocated
Poisons Schedule:	Not Scheduled
Use:	Building products used in Civil Engineering, Building and Landscaping Applications.

PHYSICAL DESCRIPTION / PROPERTIES

Appearance:	Various types of concrete building products in a wide range of colours, textures, shapes and sizes.
Melting Point:	Not Applicable
Vapour Pressure:	Not Applicable
Specific Gravity:	Variable
Flash Point:	Not Flammable
Flammability Limits:	Not Flammable
Solubility in Water:	Insoluble
Other Properties:	Not Applicable

INGREDIENTS:

CHEMICAL NAME	CAS NUMBER	PROPORTION
Crystalline Silica (α Quartz)	14808-60-7	0.1 to 75%
Other ingredients determined not to be hazardous:		50% to 100%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS: The physical form in which concrete products are supplied, pose little or no risk to human health. However, risks to human health may arise when the products are reworked liberating dust (which includes a hazardous substance, crystalline silica) in a form which is respirable.

ACUTE EFFECTS:

Swallowed: Unlikely to be a route of exposure.

Eyes: Physical nature may cause transient irritation due to abrasive effects.

Skin: Unlikely to cause significant effects.

Inhaled: If product is in an inhalable or respirable form, acute exposure may result in irritation to respiratory tract. If exposure is very large, then acute silicosis may occur. Acute silicosis is characterised by progressively laboured breathing.

CHRONIC EFFECTS:

Chronic inhalation of crystalline silica may result in serious adverse health effects, particularly if the crystalline silica is of respirable size (approximately $< 7 \mu\text{m}$ aerodynamic diameter). Chronic exposure to crystalline silica in humans is associated with impairment of lung function. Reduced lung function may occur as a result of an increase in fibrotic tissue (silicosis), atrophy of gas exchange surfaces (emphysema) or airway obstruction (bronchiolitis).

Crystalline silica has been shown to induce lung cancer in laboratory animals and there is limited evidence that it may cause lung cancer in humans. The International Agency for Research on Cancer (IARC) has classified crystalline silica as a probable human carcinogen (2A).

FIRST AID:

Eyes: If in eyes, wash with water for 15 minutes. If irritation persists, see doctor.

Inhaled: If discomfort or irritation occurs, remove to fresh air.

PRECAUTIONS FOR USE

Exposure Limits:	Worksafe Australia has endorsed an Exposure Standard, Time Weighted Average (TWA), of 0.1mg/m ³ for Crystalline Silica. However, where a State or Local Authority prescribes a standard lower than 0.1 mg/m ³ , the lower standard applies.
Engineering Controls:	Generating dusts from this product should be avoided. Where possible dampen materials before re-working. If dust generation is unavoidable, local exhaust ventilation or good natural ventilation should be employed. It is recommended that this product is wet sawn and drilled. Accumulated dust should be dry vacuumed or wetted and swept up. Wear suitable protective equipment for the eyes, skin and respiratory system.
Personal Protection:	
<i>Inhalation:</i>	As appropriate particulate (dust) respirator should be used where dust may be generated. Respiratory protection should comply with AS/NZS1716 (1994) Respiratory Devices.
<i>Eyes:</i>	Eye goggles should be worn as a general precaution if dust is likely to enter the eyes.
<i>Hands:</i>	Gloves should be worn as a general precaution when handling cured product.
<i>Flammability:</i>	Not flammable.

SAFE HANDLING INFORMATION

Storage and Transport:	No special requirements.
Spills and Disposal:	If material is spilled, vacuum, or wet sweep area, and where possible, reuse. Waste material should be bagged / wrapped and disposed in a manner which avoids generating dust.
OTHER INFORMATION:	
CONTACT POINT:	Occupational Health and Safety Manager or Site Manager. For further information contact your nearest Austral Masonry Office.

NSW

NEW SOUTH WALES

(Austral Bricks)

Wallgrove Road,
Horsley Park. NSW 2175
Telephone: (02) 9830 7700
Facsimile: (02) 9831 2383

NEW SOUTH WALES

(Eureka Tiles)

**62 Belmore Road,
Punchbowl. NSW 2196**
Telephone: 1300 387 352
Facsimile: 1300 765 792

NEW SOUTH WALES

(Austral Bricks)

1 Kiama Street,
Bowral. NSW 2576
Telephone: (02) 4861 1333
Facsimile: (02) 4861 4156

NEW SOUTH WALES

(Bristile Roofing)

Unit 3, 23-27 Second Ave
Blacktown. NSW 2148
Telephone: (02) 9679 7911
Facsimile: (02) 9679 9596

QLD

QUEENSLAND (Austral Bricks)

103 Riverview Road,
Riverview. QLD 4303
Telephone: (07) 3816 2934
Facsimile: (07) 3816 0508

QUEENSLAND (Austral Bricks)

105 Gardner Road,
Rochedale. VIC 4123
Telephone: (07) 3347 2111
Facsimile: (07) 3343 2899

QUEENSLAND (Bristile Roofing)

164 Viking Drive
Wacol. QLD 4076
Telephone: (07) 3212 2444
Facsimile: (07) 3212 2499

WA

WESTERN AUSTRALIA

(Bristile Roofing/Austral Bricks)

Harper Street,
Caversham.WA 6055
Telephone: (08) 9261 9999
Facsimile: (08) 9261 9988

WESTERN AUSTRALIA

(Austral Bricks)

245 South Western Hwy,
Armadale.WA 6012
Telephone: (08) 9399 0333
Facsimile: (08) 9399 6509

WESTERN AUSTRALIA

(Austral Bricks)

Military Road
Bellevue.WA 6056
Telephone: (08) 9250 0515
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WESTERN AUSTRALIA

(Austral Bricks)

Kiln Road,
Cardup.WA 6201
Telephone: (08) 9550 6565
Facsimile: (08) 9525 1850

WESTERN AUSTRALIA

(Austral Bricks)

10 Bonner Drive
Malaga.WA 6090
Telephone: (08) 9249 7267
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WESTERN AUSTRALIA

(Austral Bricks)

Waterloo Road,
Waterloo.WA 6228
Telephone: (08) 9276 3000
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VIC

VICTORIA (Head Office)

(Austral Bricks & Austral

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Craigieburn Road East,
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Dandenong. VIC 3175
Telephone: (03) 8710 8710
Facsimile: (03) 8710 8700

SA

SOUTH AUSTRALIA

(Austral Bricks)

Greenwith Road,
Golden Grove. SA 5125
Telephone: (08) 8251 1166
Facsimile: (08) 8251 4324

TAS

TASMANIA (Austral Bricks)

Cressy Road,
Longford. TAS 7301
Telephone: (03) 6391 1511
Facsimile: (03) 6391 2121