

# MATERIAL SAFETY DATA SHEET

## BUILDING PRODUCTS: CLAY PAVERS

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

### IDENTIFICATION

<b>Product Name:</b>	Fired Clay Products
<b>Other Names:</b>	Pavers, Bricks, Blocks
<b>Manufacturer's Code:</b>	Not Applicable
<b>UN Number:</b>	None Allocated
<b>Dangerous Goods Class and Subsidiary Risk:</b>	Not Dangerous Goods
<b>Hazchem Code:</b>	None Allocated
<b>Poisons Schedule:</b>	Not Scheduled
<b>Use:</b>	Building products used in Residential and Commercial Building Construction and Landscaping Applications.

### PHYSICAL DESCRIPTION / PROPERTIES

<b>Appearance:</b>	Varies from pressed, wirecut and special shaped bricks, pavers in a wide range of colours and finishes.
<b>Melting Point:</b>	Not Applicable
<b>Vapour Pressure:</b>	Not Applicable
<b>Specific Gravity:</b>	2.00 to 2.4 Kg/m <sup>3</sup>
<b>Flash Point:</b>	Not Flammable
<b>Flammability Limits:</b>	Not Flammable
<b>Solubility in Water:</b>	Insoluble
<b>Other Properties:</b>	Not Applicable
<b>Ingredients:</b>	Fired vitrified clay or shale

CHEMICAL NAME	CAS NUMBER	PROPORTION
Crystalline Silica ( $\alpha$ Quartz)	14808-60-7	0.1 to 10%
Other ingredients determined not to be hazardous:		10% to 100%

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## HEALTH HAZARD INFORMATION

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### HEALTH EFFECTS:

The physical form of the clay products supplied by The Brickworks Group of Companies pose little or no risk to human health. Risks to human health may arise when the products are reworked liberating dust (which includes a hazardous component, crystalline silica) in a form which is respirable.

### ACUTE EFFECTS:

*Swallowed:*

Nuisance dust, mild irritant.

*Eyes:*

Nuisance dust, mild irritant.

*Skin:*

Unlikely to cause significant effects, may cause mild irritation from manual handling due to the abrasive texture and edges of some products.

*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 µm 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.

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## PRECAUTIONS FOR USE

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<b>Exposure Limits:</b>	Worksafe Australia has endorsed an Exposure Standard, Time Weighted Average (TWA), of 0.1 mg/m <sup>3</sup> for Crystalline Silica. However, where a State or Local Authority prescribes a standard lower than 0.1 mg/m <sup>3</sup> , the lower standard applies.
<b>Engineering Controls:</b>	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.
<b>Personal Protection:</b>	
<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 fired product.
<i>Flammability:</i>	Not flammable

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## SAFE HANDLING INFORMATION

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Storage and Transport:	No special requirements.
Spills and Disposal:	If material is spilled, wet and sweep up area, or dry vacuum. 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 Bricks Office

## NSW

### Horsley Park (Head Office)

738-780 Wallgrove Road,  
Horsley Park NSW 2175

Telephone: (02) 9830 7700

Facsimile: (02) 9830 7770

### Albion Park

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### Beresfield

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Telephone: (02) 4351 5500

Facsimile: (02) 4967 6383

### Canberra

7 Lithgow Street,  
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Facsimile: (02) 6280 7086

### CBD Design Studio

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Facsimile: (02) 9830 7388

### Coffs Harbour

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### Port Macquarie

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Port Macquarie NSW 2444

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### Punchbowl

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Punchbowl NSW 2196

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## QLD

### Rochedale (Head Office)

105 Gardner Road,  
Rochedale QLD 4123

Telephone: (07) 3347 2111

Facsimile: (07) 3343 2899

### Cairns

76 Swallow Road,  
Edmonton QLD 4869

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### Gold Coast

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Burleigh QLD 4220

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### Toowoomba

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### Townsville

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## SA

### Golden Grove (Head Office)

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Golden Grove SA 5125

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### Richmond

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Richmond SA 5033

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Facsimile: (08) 8443 2200

## WA

### Caversham (Head Office)

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Telephone: (08) 9261 9999

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### Armadale

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Armadale WA 6012

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### Bellevue

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Bellevue WA 6056

Telephone: (08) 9274 5333

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### Bunbury

5 Picton Road,  
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### Busselton

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### Cardup

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### Joondalup

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Joondalup WA 6027

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Facsimile: (08) 9300 2499

### Malaga

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Malaga WA 6090

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#### **O'Connor**

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#### **Waterloo**

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## **VIC**

#### **Wollert (Head Office)**

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#### **Deer Park**

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#### **Geelong**

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Grovedale VIC 3216  
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#### **Lynbrook**

Corner Western Point Highway &  
Northey Road,  
Lynbrook VIC 3975  
Telephone: (03) 9303 4708  
Facsimile: (03) 9799 6910

#### **Richmond**

The Brick Studio  
490 Swan Street,  
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Telephone: (03) 9303 4740  
Facsimile: (03) 9427 1592

#### **Thomastown**

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Thomastown VIC 3074  
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## **TAS**

#### **North Tasmania**

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#### **South Tasmania**

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## **Email Addresses:**

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