



SAFETY DATA SHEET

BUILDING PRODUCTS: CONCRETE MASONRY BLOCKS, PAVERS, RETAINING WALLS AND CAPS

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

1 IDENTIFICATION

Product Name:	Concrete Masonry Blocks, Pavers, Retaining Walls and Caps.
Other Names:	Concrete Blocks, Concrete Pavers, Link Wall.
Manufacturer's Code:	None Allocated
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.
Manufacturer:	Austral Masonry 184 Burnside Road Ormeau. QLD 4208 Telephone: (07) 3441 7500 Facsimile: (07) 3807 7033

2 HAZARD IDENTIFICATION

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.

Hazard Category:	4
Hazard Statement:	H332 harmful if inhaled
Symbol:	!
Prevention:	P261 Avoid breathing Dust P271 Cut or grind outdoors or in a well ventilated area
Response:	P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor



3 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%

4 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.

5 FIRE FIGHTING MEASURES

Hazchem Code:	None Allocated
Suitable extinguishing equipment:	All extinguishing media may be used
Specific hazards:	Does not liberate toxic fumes, non flammable, does not melt

6 ACCIDENTAL RELEASE MEASURES

Personal Protective Equipment:	Wear gloves, eye protection and safety boots
Environmental Precautions:	Poses no threat to the environment
Methods for Containment and Cleanup:	Estimate total weight and use appropriate sized bin. Dispose as non-putrescible waste or recycle or re-use. 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.

7 HANDLING AND STORAGE

Storage:	Do not stack pallets on site due to risk of falling product when opened Compatible with all chemicals and environments
Handling:	Wear gloves to reduce the risk of abrasion



8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:	Worksafe Australia has endorsed an interim 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:	
Inhalation:	As appropriate particulate (dust) respirator should be used where dust may be generated. Respiratory protection should comply with AS/NZS 1716 (1994) Respiratory Devices.
Eyes:	Eye goggles should be worn as a general precaution if dust is likely to enter the eyes.
Hands:	Gloves should be worn as a general precaution when handling cured product.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Various types of concrete building products in a wide range of colours, textures, shapes and sizes.
Melting Point:	Not applicable
Boiling Point:	Not applicable
Vapour Pressure:	None
Specific Gravity:	Variable
Flash Point:	Not Flammable
Flammability Limits:	Not Flammable
Solubility in Water:	Insoluble
Odour:	None
pH:	8-9

10 STABILITY AND REACTIVITY

Reactivity:	None
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Chemical Stability:	Stable under all circumstances
Possibility of Hazardous Reactions:	None
Conditions to Avoid:	None
Incompatible Materials:	None
Hazardous Decomposition Products:	None

11 TOXICOLOGICAL 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).

Germ Cell Mutagenicity: Not Known

Carcinogenicity: The International Agency for Research on Cancer (IARC) has classified crystalline silica as a probable human carcinogen (2A).

Reproductive Toxicity: Not Known

Specific Target Organ Toxicity: Not Known

Aspiration Hazard: Not Known

Exposure Level and

Health Effects: 0.1 mg/m^3 may result in long term chronic effects.



12 ECOLOGICAL INFORMATION

Ecotoxicity:	Nil
Degradability:	Nil
Bioaccumulative Potential:	Nil
Mobility in Soil:	Nil

13 DISPOSAL CONSIDERATIONS

Blocks, pavers and retaining walls can be recycled, re-used or consigned to landfill as non-putrescible waste

14 TRANSPORT INFORMATION

UN Number:	None Allocated
Dangerous Goods Class and Subsidiary Risk:	Not Dangerous Goods
Hazchem Code:	None Allocated
Poisons Schedule:	Not Scheduled

15 REGULATORY INFORMATION

This product is not subject to:	Montreal Protocol Stockholm Convention Rotterdam Convention Basle Convention International Convention for the Prevention of Pollution from Ships
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16 OTHER INFORMATION

None



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