

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.1. Product Identifier

Product Name           Designa Basalt  
Synonym(s)             Basalt Blocks

### 1.2. Uses and uses advised against

Use(s)                    Building products used in residential, civil and commercial building construction.

### 1.3. Details of the supplier of the product

Supplier Name         **Austral Bricks (NSW)**  
Address                Horsley Park (Head Office), 738-780 Wallgrove Road, Horsley Park, NSW, 2175, Australia  
Telephone             (02) 9830 7700  
Fax                     (02) 9830 7770  
Email                  [infoNSW@australbricks.com.au](mailto:infoNSW@australbricks.com.au)  
Website                [www.australbricks.com.au](http://www.australbricks.com.au)

### 1.4. Emergency telephone number(s)

Emergency             (02) 9830 7700

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO AUSTRALIAN WHS REGULATIONS

### 2.2. Label elements

No signal word, pictograms, hazard or precautionary statements have been allocated.

### 2.3. Other hazards

The solid product as supplied is classified as non-hazardous under normal conditions and does not present an inhalation, ingestion, skin, or eye hazard. However, dust created when the product is cut, grinded and machined may contain crystalline silica some of which may be respirable (particles small enough to go into deep parts of the lung when breathed in).

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances/Mixtures

Ingredient	CAS Number	EC Number	Content
QUARTZ (CRYSTALLINE SILICA)	14808-60-7	238-878-4	<0.1%
NON-HAZARDOUS INGREDIENTS	Not Available	Not Available	0.1% to 100%

## **4. FIRST AID MEASURES**

### **4.1. Description of first aid measures**

<b>Eye</b>	(Dust exposure) Flush gently with running water, irrigating under eyelids. Seek medical attention if irritation develops.
<b>Inhalation</b>	(Dust exposure) If inhaled remove from contaminated area. Apply artificial respiration if not breathing.
<b>Skin</b>	(Dust exposure) Gently flush affected areas with water. Seek medical attention if irritation develops.
<b>Ingestion</b>	Due to product form and application, ingestion is considered unlikely.
<b>First aid facilities</b>	No information provided.

### **4.2. Most important symptoms and effects, both acute and delayed**

See Section 11 for more detailed information on health effects and symptoms.

### **4.3. Immediate medical attention and special treatment needed**

Treat symptomatically.

## **5. FIRE FIGHTING MEASURES**

### **5.1. Extinguishing media**

Use an extinguishing agent suitable for the surrounding fire.

### **5.2. Special hazards arising from the substance or mixture**

Non flammable. May evolve toxic gases if strongly heated.

### **5.3. Advice for firefighters**

No fire or explosion hazard exists.

### **5.4. Hazchem code**

None allocated.

## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS.

### **6.2. Environmental precautions**

Prevent product from entering drains and waterways.

### **6.3. Methods of cleaning up**

If spilt, collect and reuse where possible.

### **6.4. Reference to other sections**

See Sections 8 and 13 for exposure controls and disposal.

## **7. HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### **7.2. Conditions for safe storage, including any incompatibilities**

Ensure material is adequately labelled and protected from physical damage.

### **7.3. Specific end use(s)**

No information provided.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1. Control parameters**

#### **Exposure standards**

Ingredient	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Quartz (respirable dust) 14808-60-7	--	0.1	--	--

#### **Biological limits**

No biological limit values have been entered for this product.

### **8.2. Exposure controls**

#### **Engineering controls**

Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Wet where possible. Maintain dust levels below the recommended exposure standard.

#### **PPE**

<b>Eye/face</b>	If cutting or sanding with potential for dust generation, wear dust-proof goggles.
<b>Hands</b>	Wear leather or cotton gloves.
<b>Body</b>	Not required under normal conditions of use.
<b>Respiratory</b>	If cutting or sanding with potential for dust generation, wear a Class P1 (Particulate) respirator.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	COLOURED BRICKS
<b>Odour</b>	ODOURLESS
<b>Flammability</b>	NON FLAMMABLE
<b>Flash point</b>	NOT RELEVANT
<b>Boiling point</b>	NOT AVAILABLE
<b>Melting point</b>	NOT AVAILABLE
<b>Evaporation rate</b>	NOT AVAILABLE

Product Name: **Designa Basalt**

<b>pH</b>	NOT AVAILABLE
<b>Vapour density</b>	NOT AVAILABLE
<b>Specific gravity</b>	NOT AVAILABLE
<b>Solubility (water)</b>	INSOLUBLE
<b>Vapour pressure</b>	NOT AVAILABLE
<b>Upper explosion limit</b>	NOT RELEVANT
<b>Lower explosion limit</b>	NOT RELEVANT
<b>Partition coefficient</b>	NOT AVAILABLE
<b>Autoignition temperature</b>	NOT AVAILABLE
<b>Decomposition temperature</b>	NOT AVAILABLE
<b>Viscosity</b>	NOT AVAILABLE
<b>Explosive properties</b>	NOT AVAILABLE
<b>Oxidising properties</b>	NOT AVAILABLE
<b>Odour threshold</b>	NOT AVAILABLE

## **9.2. Other information**

**Density** 1600kg/m<sup>3</sup> to 2300 kg/m<sup>3</sup>

## **10. STABILITY AND REACTIVITY**

### **10.1. Reactivity**

Carefully review all information provided in Section 10.

### **10.2. Chemical Stability**

Stable under recommended conditions of storage.

### **10.3. Possibility of hazardous reactions**

Polymerisation is not expected to occur.

### **10.4. Conditions to avoid**

Avoid heat, sparks, open flames and other ignition sources.

### **10.5. Incompatible materials**

No information provided.

### **10.6. Hazardous decomposition products**

May evolve toxic gases if heated to decomposition.

## **11. TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

**Health hazard** Low toxicity. Adverse health effects, usually associated with long term exposure to high crystalline silica dust levels, are not anticipated due to product form. This material may only present a hazard if cut, sanded or drilled with dust generation. Use safe work practices to avoid dust generation – inhalation. Chronic exposure to dust may result in lung fibrosis (silicosis). Crystalline silica is classified as carcinogenic to humans (IARC Group 1).

Product Name: **Designa Basalt**

<b>Eye</b>	Due to product form and nature of use, the potential for exposure is reduced. Product may only present a hazard if material is cut, drilled or sanded with dust generation, which may result in mechanical irritation.
<b>Inhalation</b>	Exposure considered unlikely. An inhalation hazard is not anticipated unless cut, drilled or sanded with dust generation, which may result in irritation of the nose and throat.
<b>Skin</b>	Mechanical irritant. Prolonged or repeated contact may result in mild irritation due to mechanical action.
<b>Ingestion</b>	Ingestion is considered unlikely due to product form.
<b>Toxicity data</b>	No LD <sub>50</sub> data available for this product.

## **12. ECOLOGICAL INFORMATION**

### **12.1. Toxicity**

No information provided.

### **12.2. Persistence and degradability**

No information provided.

### **12.3. Bioaccumulative potential**

No information provided.

### **12.4. Mobility in soil**

No information provided.

### **12.5. Other adverse effects**

The main component/s of this product are not anticipated to cause any adverse effects to plants or animals.

## **13. DISPOSAL CONSIDERATIONS**

### **13.1. Waste treatment methods**

**Waste disposal** Reuse where possible. Dispose of in accordance with local regulations.

**Legislation** Dispose of in accordance with relevant local legislation.

## **14. TRANSPORT INFORMATION**

**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA**

	<b>LAND TRANSPORT (ADG)</b>	<b>SEA TRANSPORT (IMDG/IMO)</b>	<b>AIR TRANSPORT (IATA/ICAO)</b>
<b>14.1. UN NUMBER</b>	None Allocated	None Allocated	None Allocated
<b>14.2. PROPER SHIPPING NAME</b>	None Allocated	None Allocated	None Allocated
<b>14.3. TRANSPORT HAZARD CLASS</b>	None Allocated	None Allocated	None Allocated
<b>14.4. PACKING GROUP</b>	None Allocated	None Allocated	None Allocated

**14.5. Environmental hazards** No information provided

Product Name: **Designa Basalt**

#### 14.6. Special precautions for user

**Hazchem code** None allocated

### 15. REGULATORY INFORMATION

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Poison schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Classifications** Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)]

**Hazard codes** None allocated.

**Risk phrases** None allocated.

**Safety phrases** None allocated.

**Inventory listing(s)** **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**  
All components are listed AICS, or are exempt.

### 16. OTHER INFORMATION

**Additional information** PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:  
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

#### HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effect from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

#### Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	European Community Number
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Globally Harmonized System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC <sub>50</sub>	Lethal Concentration, 50% / Median Lethal Concentration
LD <sub>50</sub>	Lethal Dose, 50% / Median Lethal Dose

SDS Date: 28 Sep 2015

Product Name: **Designa Basalt**

mg/m <sup>3</sup>	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	Relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline)
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

### **Report status**

This document has been compiled by RMT of behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

Product Name: **Designa Basalt**

## **NSW**

### **Horsley Park (Head Office)**

738-780 Wallgrove Road,  
Horsley Park NSW 2175  
Telephone: (02) 9830 7700  
Facsimile: (02) 9830 7770

### **Albion Park**

45 Princes Hwy,  
Albion Park Rail NSW 2527  
Telephone: (02) 4257 1566  
Facsimile: (02) 4257 1496

### **Beresfield**

2 Yangan Drive,  
Beresfield NSW 2322  
Telephone: (02) 4351 5500  
Facsimile: (02) 4967 6383

### **Canberra**

7 Lithgow Street,  
Fyshwick ACT 2609  
Telephone: (02) 6239 1286  
Facsimile: (02) 6280 7086

### **CBD Design Studio**

50 Carrington Street,  
Sydney NSW 2000  
Telephone: (02) 9611 4200  
Facsimile: (02) 9830 7388

### **Coffs Harbour**

27 Lawson Crescent,  
Coffs Harbour NSW 2450  
Telephone: (02) 6652 3457  
Facsimile: (02) 6651 4367

### **Port Macquarie**

42 Jindalee Road,  
Port Macquarie NSW 2444  
Telephone: (02) 6581 1533  
Facsimile: (02) 6581 0618

### **Punchbowl**

62 Belmore Road,  
Punchbowl NSW 2196  
Telephone: (02) 9915 9100  
Facsimile: (02) 9915 9155

## **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  
Telephone: (07) 4045 5309  
Facsimile: (07) 4045 5896

### **Gold Coast**

3 Central Drive,  
Burleigh QLD 4220  
Telephone: (07) 5593 5955  
Facsimile: (07) 5593 5727

### **Toowoomba**

29 Mort Street,  
Toowoomba QLD 4350  
Telephone: (07) 4632 6377  
Facsimile: (07) 4632 6569

### **Townsville**

42 Blakey Street,  
Garbutt QLD 4814  
Telephone: (07) 4728 2881  
Facsimile: (07) 4728 2879

## **SA**

### **Golden Grove (Head Office)**

Greenwith Road,  
Golden Grove SA 5125  
Telephone: (08) 8282 6301  
Facsimile: (08) 8282 6360

### **Richmond**

392 South Road,  
Richmond SA 5033  
Telephone: (08) 8152 0302  
Facsimile: (08) 8443 2200

## **WA**

### **Caversham (Head Office)**

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

### **Armadale**

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

### **Bellevue**

Military Road  
Bellevue WA 6056  
Telephone: (08) 9274 5333  
Facsimile: (08) 9274 1585

### **Bunbury**

5 Picton Road,  
Bunbury WA 6231  
Telephone: (08) 9791 1977  
Facsimile: (08) 9791 2517

### **Busselton**

75 Cook Street,  
Busselton WA 6280  
Telephone: (08) 9754 4866  
Facsimile: (08) 9751 1104

### **Cardup**

Kiln Road,  
Cardup WA 6122  
Telephone: (08) 9550 6505  
Facsimile: (08) 9525 1850

### **Joondalup**

18 Ascari Lane,  
Joondalup WA 6027  
Telephone: (08) 9300 2608  
Facsimile: (08) 9300 2499

### **Malaga**

10 Bonner Drive,  
Malaga WA 6090  
Telephone: (08) 9208 7999  
Facsimile: (08) 9208 7900



Product Name: **Designa Basalt**

**O'Connor**

Corner Stock & South Street,  
O'Connor WA 6163  
Telephone: (08) 9337 8888  
Facsimile: (08) 9337 8971

**Waterloo**

Waterloo Road,  
Waterloo WA 6228  
Telephone: (08) 9726 3000  
Facsimile: (08) 9726 3245

**VIC**

**Wollert (Head Office)**

Brickmakers Drive,  
Wollert VIC 3750  
Telephone: (03) 9303 4000  
Facsimile: (03) 9308 1974

**Deer Park**

972 Western Highway,  
Deer Park VIC 3023  
Telephone: (03) 9303 4713  
Facsimile: (03) 9361 8411

**Geelong**

200-204 Torquay Road,  
Grovedale VIC 3216  
Telephone: (03) 5221 2400  
Facsimile: (03) 5243 4220

**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,  
Richmond VIC 3121  
Telephone: (03) 9303 4740  
Facsimile: (03) 9427 1592

**Thomastown**

140 High Street,  
Thomastown VIC 3074  
Telephone: (03) 9303 4077  
Facsimile: (03) 9466 3792

**TAS**

**North Tasmania**

Cressy Road,  
Longford TAS 7301  
Telephone: (03) 6397 4500  
Facsimile: (03) 6391 2121

**South Tasmania**

113 Grove Road,  
Glenorchy TAS 7010  
Telephone: (03) 6212 9120  
Facsimile: (03) 6212 9150

**Email Addresses:**

[infoNSW@australbricks.com.au](mailto:infoNSW@australbricks.com.au)