

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.1. Product Identifier

**Product Name** Concrete Roof Tiles  
**Synonym(s)** Roof Tiles

### 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** Bristile Roofing NSW  
**Address** Horsley Park (Head Office), 738-780 Wallgrove Road, Horsley Park, NSW, 2175, Australia  
**Telephone** (02) 9830 7888  
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**Website** [www.bristileroofting.com.au](http://www.bristileroofting.com.au)

### 1.4. Emergency telephone number(s)

**Emergency** (02) 9830 7888

## 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	50% to 75%
NON-HAZARDOUS INGREDIENTS	Not Available	Not Available	25% to 50%

## **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

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<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

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dust may result in lung fibrosis (silicosis). Crystalline silica is classified as carcinogenic to humans (IARC Group 1).

**Eye** 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.

**Inhalation** 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.

**Skin** Mechanical irritant. Prolonged or repeated contact may result in mild irritation due to mechanical action.

**Ingestion** Ingestion is considered unlikely due to product form.

**Toxicity data** 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

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<b>14.4. PACKING GROUP</b>	None Allocated	None Allocated	None Allocated
<b>14.5. <u>Environmental hazards</u></b>	No information provided		
<b>14.6. <u>Special precautions for user</u></b>			
<b>Hazchem code</b>	None allocated		

## **15. REGULATORY INFORMATION**

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

<b>Poison schedule</b>	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).
<b>Classifications</b>	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)]
<b>Hazard codes</b>	None allocated.
<b>Risk phrases</b>	None allocated.
<b>Safety phrases</b>	None allocated.
<b>Inventory listing(s)</b>	<b>AUSTRALIA: AICS (Australian Inventory of Chemical Substances)</b> All components are listed AICS, or are exempt.

## **16. OTHER INFORMATION**

<b>Additional information</b>	<p><b>PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:</b></p> <p>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.</p> <p><b>HEALTH EFFECTS FROM EXPOSURE:</b></p> <p>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.</p>
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### **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

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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
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: **Concrete Roof Tiles**

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