

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Product Name: Brick
 Product Description: Clay brick

1.2 Intended Use of the Product

Uses: Building material used for structural support

1.3 Details of the supplier of the product

Supplier Name: WD Boyes & Sons Ltd T/A Canterbury Clay Bricks
 Supplier Address: 1-7 Horndon Street,
 Darfield,
 Canterbury 7510
 Supplier Phone: Phone: 03-318-8203
 Website: <https://clay-bricks.co.nz>

1.4 Emergency telephone number

Emergency: 027-431-7991

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not classified as hazardous

2.2 GHS 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).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Table 3.1 Substances/Mixes

Ingredient	CAS Number	EC Number	Content
QUARTZ (CRYSTALLINE SILICA)	14808-60-7	238-878-4	0.1 to 70.09%
METAL OXIDE(S)	--	--	1 to 29.51%
NON HAZAARDOUS INGREDIENTS	Not Available	Not Available	Remainder

SECTION 4: FIRST AID MEASURERS

4.1 Description of First Aid Measurers

Eyes

If injury is due to a projectile, seek medical attention immediately.

If the persons symptom is eye irritation due to dust exposure, flush gently with running water, irrigating under eyelids. Flushing should continue until irritation subsides. Medical attention should be sought if irritation persists.

Inhalation

If inhaled, remove person from contaminated area. Provide drinking water, if conscious, to flush mouth and irrigate upper respiratory tract. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

Skin

Injuries to skin due to abrasion, laceration, or crushing should be treated by flushing with clean water, followed by First Aid. If the injury is more extensive or irritation and pain persists, seek medical attention.

Ingestion

Due to the product form and application, ingestion is considered highly unlikely.

4.2 Most important symptoms and effects, both acute and delayed

This product may present a hazard if cut or drilled with dust generation.

CAUTION: Repeated exposure to dust may cause lung fibrosis (silicosis)

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

4.3 Indication of immediate medical attention and special treatment

Any time symptoms of eye irritation or respiratory irritation persists, medical attention should be sought.

SECTION 5 – FIRE FIGHTING MEASURERS

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 gasses if strongly heated.

5.3 Advice for Firefighters

No fire or explosion hazard exists

5.4 Hazchem code

None allocated

SECTION 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

Contain and collect as any solid, and reuse where possible. Avoid generating dust.

6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal

SECTION 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, or smoking in contaminated areas.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions: Product does not require special storage conditions.
Ensure material is adequately labelled and protected from physical damage.
Avoid generating dust.

7.3 Specific End Uses

No information provided.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

EXPOSURE STANDARDS

Table 8.1

Ingredient	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Quartz (respirable dust)	Worksafe (NZ)	--	0.01	--	--

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. Power equipment should be equipped with wet dust suppression or dust collection devices if cutting/grinding/chipping product. Wet where possible and maintain dust levels below the recommended exposure standard.

PPE

Eye/Face: Approved safety glasses, goggles and/or face shield.

Hands: Wear leather or cotton gloves.

Body: Appropriate work clothing and footwear should be worn. Wear suitable protective clothing.

Respiratory: If cutting or sanding with potential for dust generation, wear a Class P1 (Particulate) respirator.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	COLOURED BRICKS
Odour	ODOURLESS
Flammability	NON FLAMMABLE
Flash Point	NOT RELEVANT
Boiling Point	NOT AVAILABLE
Melting Point	NOT AVAILABLE
Evaporation Rate	NOT AVAILABLE
pH	NOT AVAILABLE
Vapour Density	NOT AVAILABLE
Specific Gravity	NOT AVAILABLE
Solubility (water)	INSOLUBLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT RELEVANT
Lower explosion limit	NOT RELEVANT
Partition coefficient	NOT AVAILABLE
Auto-ignition temperature	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE

SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6

10.2 Chemical stability

Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions

Polymerization is not expected to occur.

10.4 Conditions to avoid.

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

10.5 Incompatible materials

Incompatible with strong acids (e.g., hydrochloric acid), strong bases and strong oxidizers.

10.6 Hazardous decomposition products

May evolve toxic gases if heated to decomposition.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	This product is expected to be of low toxicity. Ingestion is considered unlikely due to product form.
Skin	Mechanical irritant. Prolonged or repeated contact may result in mild irritation due to mechanical action.
Eye	Mechanical irritant. 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.
Sensitisation	Not classified as causing skin or respiratory sensitisation.
Mutagenicity	Not classified as a mutagen.

Carcinogenicity	Adverse health effects, usually associated with long term exposure to high respirable crystalline silica quartz dust levels, are not anticipated due to product form. This product may only present a hazard if bricks are cut or drilled with dust generation. Respirable crystalline silica quartz is classified as carcinogenic to humans (IARC Group 1).
Reproductive	Not classified as a reproductive toxin.
STOT – single exposure	Dust can be generated during cutting of the product. Dusts are mechanical irritants that may cause throat irritation.
STOT – repeated exposure	Adverse health effects, usually associated with long term exposure to high respirable crystalline silica quartz dust levels are not anticipated due to the product form. This product may present a hazard if cut or drilled with dust generation. CAUTION: Repeated exposure to dust may cause lung fibrosis (silicosis).
Aspiration	Not applicable for solids.

SECTION 12 – ECOLOGICAL INFORMATION

- 12.1 Toxicity**
The substance is inert and there is no evidence of significant toxicity.
- 12.2 Persistence and degradability**
Being inorganic, the substance will not biodegrade.
- 12.3 Bio accumulative potential**
The substance is inert and will not be absorbed and accumulate in tissues.
- 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.

SECTION 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. |

SECTION 14 – TRANSPORT INFORMATION

- 14.1 In Accordance with Land Transport - NZTA**
Not regulated as a dangerous good for transport
- 14.2 In Accordance with Sea Transport - IMDG**
Not regulated as a dangerous good for transport
- 14.3 In Accordance with Air Transport – IATA/ICAO**
Not regulated as a dangerous good for transport
- 14.4 Environmental hazards**
No information provided.
- 14.5 Special precautions for user**
Hazchem Code – none allocated.

SECTION 15 – REGULATORY INFORMATION

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	On 30 April 2021, New Zealand adopted a new classification system for hazardous substances under the Hazardous Substances and New Organisms Act 1996 (HSNO). This new system is the Globally Harmonised System (GHS).
Inventory Listings	NEW ZEALAND: NZIoC (New Zealand Inventory of Chemicals) All components are listed on NZIoC or are exempt.

SECTION 16 – OTHER INFORMATION

Party Responsible for Preparation of this document:

Canterbury Clay Bricks
www.clay-bricks.co.nz

Revision Date:

November 2022

Other information:

This document is based on information concerning the product which have been provided by Canterbury Clay Bricks 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.

Limitations:

The information set forth herein is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. As far as lawfully possible, Canterbury Clay Bricks 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.