



Safety Data Sheet according to WHS Regulations

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Printing date 26.03.2021

Revision: 26.03.2021

1 Identification

Product Name: Selkirk Bricks**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:** Ceramic body manufacture**Details of Manufacturer or Importer:**

Selkirk Group
630 Howitt St,
Ballarat North, VIC 3350

Phone Number: (03) 5304 5000**Emergency telephone number:** (03) 5304 5000

2 Hazard(s) Identification

Hazardous Nature:

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified, according to the Globally Harmonised System (GHS).

Signal Word None**Hazard Statements** None

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 14808-60-7	Quartz (SiO ₂)	 Carcinogenicity 1A, H350; STOT RE 1, H372	10 - 60%
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Additional information:

The solid product supplied is classified as non-hazardous under normal conditions. However, dust created when the product is cut, grinded, or machined may cause mechanical irritation and may contain crystalline silica, a small quantity of which may be respirable. Respirable crystalline silica is a known carcinogen and can cause serious lung damage. Exposure to this product is not likely to cause harm under normal conditions, but it is recommended to determine the actual exposure through workplace testing.

4 First Aid Measures

Inhalation:

If dust is inhaled during installation, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms develop or persist.

Skin Contact:

In case of skin contact, remove contaminated clothing and wash affected areas with water and non-abrasive soap. Seek medical attention if irritation occurs.

Eye Contact:

In case of eye contact with dust, rinse eyes cautiously with water for at least 15 minutes with eyelids held apart. Do not rub eyes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if symptoms occur.

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Ingestion:

If swallowed, do not induce vomiting. Thoroughly rinse mouth with water. Never give anything by mouth to an unconscious person. Ingestion is not considered a route of exposure under normal conditions of use due to the form of the product. Seek medical attention if symptoms occur.

Symptoms Caused by Exposure:

Inhalation: Dust may cause respiratory tract irritation and may trigger allergic or asthmatic reactions in susceptible persons.

Skin Contact: Dust may cause mechanical skin irritation, redness, itching and swelling.

Eye Contact: Dust may cause mechanical eye irritation, redness, itching and stinging.

Ingestion: Ingestion is considered unlikely due to form of the product. Dust may cause gastrointestinal irritation, nausea and vomiting.

Medical Attention and Special Treatment: Treat symptomatically.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

No hazardous decomposition products known.

Product is not flammable.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid formation of dust.

Environmental Precautions: No special measures required.

Methods and Materials for Containment and Cleaning Up:

Spilled and broken bricks should be shovelled up and placed into a labelled container. The product may be disposed of at landfill. Clean residual dust from spill area using wet methods or with an approved industrial vacuum device.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dusts. Always wash hands before smoking, eating, drinking or using the toilet.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Eye wash facilities should be available, particularly where dust is generated.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep bag tightly closed when not in use to avoid contamination or leakage. Store away from excessive heat, strong oxidising agents, strong acids, food and feedstuffs.

8 Exposure Controls and Personal Protection

Exposure Standards:

CAS: 14808-60-7 Quartz (SiO₂)

WES	TWA: 0.05 mg/m ³ respirable dust
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Engineering Controls:

Provide sufficient local exhaust ventilation when generating excessive levels of airborne dusts from handling.

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Respiratory Protection:

Where an inhalation risk exists, wear an approved half-face (negative pressure) P1 or P2 dust/particulate filter respirator. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Wear protective gloves when handling the product. See Australian Standards AS/NZS 2161 and 4501 or more information.

Eye and Face Protection:

If cutting or sanding with potential for dust generation, wear dust-proof goggles. See Australian/New Zealand Standards AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:	Brick
Form:	Solid
Colour:	Dark buff-terra cotta coloured
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	4.5 - 8
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	Product is not flammable
Ignition Temperature	Not applicable
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	No information available
Relative Density:	2.6 - 2.8
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Insoluble in water, forms colloidal suspensions in water with strong thixotropic properties
Partition Coefficient (n-octanol/water):	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Avoid dust formation and exposure to excessive heat.

Incompatible Materials: Strong oxidising agents, strong acids, food and feedstuffs.

Hazardous Decomposition Products: No hazardous decomposition products known.

11 Toxicological Information

Toxicity:**LD50/LC50 Values Relevant for Classification:****CAS: 14808-60-7 Quartz (SiO₂)**

Oral	LD50	500-22,500 mg/kg (rat)
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Acute Health Effects**Inhalation:**

Dust may cause respiratory tract irritation and may trigger allergic or asthmatic reactions in susceptible persons.

Skin: Dust may cause mechanical skin irritation, redness, itching and swelling.

Eye: Dust may cause mechanical eye irritation, redness, itching and stinging.

Ingestion:

Ingestion is considered unlikely due to form of the product. Dust may cause gastrointestinal irritation, nausea and vomiting.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Silica dust, crystalline, in the form of quartz or cristobalite is classified by IARC as Group 1 - Carcinogenic to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product. However, dust created when the product is cut, grinded and machined may contain respirable crystalline silica. Chronic exposure to dust may result in lung fibrosis (silicosis).

Existing Conditions Aggravated by Exposure:

Inhalation of dust may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysema and asthma.

12 Ecological Information

Ecotoxicity: No data available on finished product.

Aquatic toxicity:

CAS: 14808-60-7 Quartz (SiO₂)

LC50/96 h >10,000 mg/l (brachydanio rerio)

Persistence and Degradability: No data available on finished product.

Bioaccumulative Potential: No data available on finished product.

Mobility in Soil: No data available on finished product.

Other adverse effects: No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers:

Reuse product where possible. Product can be disposed of in landfill. Dispose of spilled product and waste material according to applicable local and state government regulations.

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Special Precautions for Landfill or Incineration:

Dispose according to the relevant local legislation. Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Not a scheduled poison.

Australia: Priority Existing Chemicals

None of the ingredients is listed.

16 Other Information

Date of Preparation or Last Revision: 26.03.2021**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Carcinogenicity 1A: Carcinogenicity – Category 1A

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020”

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