

ABN: 17 102 818 806

Section 1 – Identification

SUPPLIER:	Skheme Pty Ltd	NOTE: Blank spaces are not permitted. If no relevant information is found for any given subheading within a section, the SDS shall clearly indicate that no applicable information is available.
ADDRESS:	2/12-14 Neild Avenue Rushcutters Bay NSW 2010 ABN 17 102 818 806	Emergency Telephone Number (NSW Poisons Information Centre) 13 11 26
TELEPHONE:	02 8755 2300	Recommended use of the product: slabs, tiles of various sizes for flooring, internal and external vertical coatings, countertop.
Product Identifier (as used on Label, SDS) Quartzite		

Section 2 – Hazard Identification

Classification: Not classified as hazardous according to SafeWork Australia. However, this product contains materials identified as a health hazard under NSW SafeWork guidelines. During installation and handling, users may be exposed to airborne dust or particles generated through normal cutting or breaking of tiles.		
Carcinogenicity	Category: 1A	Signal Word: DANGER
Specific Target Organ Toxicity (Repeated Exposure)	Category: 1	Signal Word: DANGER
Specific Target Organ Toxicity (Single Exposure)	Category: 3	Signal Word: WARNING
 	Hazard Statements: May cause cancer. Causes damage to organs (lungs) through prolonged or repeated exposure. May cause respiratory irritation.	
	Precautionary Statements:	
	PREVENTION: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in well-ventilated area. Do not eat, drink, or smoke while using this product. Avoid breathing dust/particles. Wear protective gloves/clothing/eye protection/face protection. Wash face/hands/skin thoroughly after handling.	
	RESPONSE: If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes or on skin: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Remove contaminated clothing, wash before reusing. If exposed or concerned, get medical advice/attention. Call a Poison Center if you feel unwell.	
	STORAGE: Store locked up, in a well-ventilated place. Keep container tightly closed. DISPOSAL: Dispose of contents/container in accordance with local/regional/national/international regulations.	

Section 3 – Composition/Ingredients

Chemical Name	Common Name and synonyms	CAS No.	Percentage
Silicon Dioxide	Crystalline Silica, Quartz Respirable Fraction	14808-60-7	88-98
Feldspar	HT Flux	68476-25-5	<5
Biotite	Black Mica	12001-26-2	<20
Iron Oxide	Disodium Oxide	1345-25-1	<2

Section 4 – First Aid Measures

INHALATION: Not expected from intact tiles. If dust/particles from cut or broken tiles are inhaled: move victim to fresh air. Place in comfortable breathing position. Get medical attention if breathing becomes difficult at any time.

SKIN CONTACT: If on skin: wash thoroughly with soap and water. If any symptoms or irritation result from exposure, get medical attention.

EYE CONTACT: Not expected from intact tiles. If dust/particles from cut or broken tiles gets in eyes: rinse with water for several minutes. Remove contacts, continue rinsing. If irritation results from exposure, get medical attention.

INGESTION: Not expected from intact tiles. If dust/particles from cut or broken tiles are swallowed, rinse mouth with water. If large quantities are ingested, get medical attention. Do not induce vomiting.

MOST IMPORTANT SYMPTOMS/EFFECTS: Acute: Inhalation of dust/particles can lead to respiratory irritation. Exposure to skin and eyes can cause irritation and drying. Delayed: Chronic or repeated inhalation of airborne dust/particles from cut or broken tiles can cause Silicosis, Pulmonary Fibrosis, COPD and/or other lung cancers.

IMMEDIATE MEDICAL ATTENTION/SPECIAL TREATMENT: Emergency medical attention is not expected from single or acute exposure, however, chronic inhalation of product in dust/particle form may lead to lung disorders requiring medical intervention and treatments.

Section 5 – Fire-Fighting Measures

FLAMMABLE LIMITS IN AIR,
(% BY VOLUME)

UPPER: Not Flammable
LOWER: Not Flammable

FLASH POINT: No Data Available
F: N/A
C: N/A
METHOD USED:

AUTOIGNITION TEMPERATURE:	No Data Available
F: N/A	
C: N/A	
EXTINGUISHING MEDIA:	
Suitable: Water, alcohol resistant foam, CO2, dry chemical powder	
Unsuitable:	Water jet

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self-contained breathing apparatus and full protective clothing in case of fire. Avoid breathing fire fumes

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not explosive

HAZARDOUS DECOMPOSITION PRODUCTS:

The product is non-combustible and non-explosive and will not facilitate or sustain the combustion of other materials. Development of hazardous combustion gases or fumes is possible in the event of fire.

Section 6 – Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

For non-emergency personnel: Keep unnecessary and unprotected personnel from entering. Wear appropriate personal protective equipment as described in Section 8. Follow the advice for safe handling and use given in Section 7. For emergency responders: Emergency procedures are not required. However, respiratory protection is needed in situations with high dust levels.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP

Do not empty it into drains and sewers. Avoid water and ground water systems. Contain spill where possible and safe to do so. Inform appropriate authorities in case of accidental contamination of watercourses or drains. Use dry clean up methods such as HEPA filtered vacuum exhaust which does not generate dust formation. Never use compressed air for cleaning. If dust is formed by applying a dry-cleaning method, personal protective equipment must be used. Avoid inhalation of product dust and skin contact. Place the spilled material in an appropriate waste disposal container for proper disposal.

Section 7 – Handling and Storage and Disposal

PRECAUTIONS FOR SAFE HANDLING:

Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize dust concentrations. Avoid inhalation and contact with skin, eye and clothing. Avoid mechanical processing without dust control.

CONDITIONS FOR SAFE STORAGE INCLUDING INCOMPATIBILITIES:

Store in accordance with local regulations. Store in a dry, cool, and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.

Section 8 – Exposure Controls/Personal Protection

ENGINEERING CONTROLS:

Contains the following ingredients with occupational exposure limit values:
Crystalline Silica (Quartz): TWA: 0.05 mg/cubic meter (respirable dust).

VENTILATION:

Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize dust concentrations. The highest probability of silica exposure occurs during dry cutting. Wet cutting methods are recommended.



RESPIRATORY PROTECTION:

Wear the right mask to prevent breathing in silica. For specifications on the safest masks refer to:

- P2/P3 respirator as per AS 1715:2009 and AS/NZS 1716:2012
- Must be fit tested and follow the clean-shaven policy.



EYE PROTECTION:

Use tight fitting safety goggles or safety glasses with side shields where dust is formed. For specifications on the safest glass:

- Safety glass as per AS 1337.1:2010

Note: Contact lenses may absorb irritants. Do not wear contact lenses in work areas. Have emergency eyewash stations available in areas where tiles are cut.



SKIN PROTECTION:

Wear dustproof protective gloves, boots, and long-sleeved clothing.



WORK HYGIENIC PRACTICES:

Do not eat, drink, or smoke when working. Wash hands and if necessary, shower before breaks and after work to remove adherent product. Avoid contact with eyes and skin. After working with products, workers should wash or shower and use skin care products. Clean contaminated clothing, footwear etc. thoroughly before re-using them.



Section 9 – Physical and Chemical Properties

APPEARANCE: Solid (various colors)	ODOR: None, odorless
pH: N/A	MELTING PT/FREEZING PT: 3110°F
BOILING POINT: 4046°F	FLASH POINT: N/A
FLAMMABILITY: N/A	EVAPORATION RATE: N/A
VAPOR DENSITY: N/A	RELATIVE DENSITY: N/A
VAPOR PRESSURE: N/A	%VOLATILE BY VOLUME: None
PARTITION COEFFICIENT: n-OCTANOL/WATER: N/A	VISCOSITY: N/A
AUTOIGNITION TEMPERATURE: N/A	SOLUBILITY IN WATER: Insoluble

Section 10 – Stability and Reactivity

STABILITY: The product is STABLE under normal conditions of storage and use. Contact with incompatible materials should be avoided.
CONDITIONS TO AVOID (STABILITY): Avoid contact with acids (e.g., acetic, hydrofluoric, etc.) Glass is non-flammable. Glass will react with hydrofluoric acid producing a corrosive gas – silicon tetra fluoride.
INCOMPATIBILITY (MATERIAL TO AVOID): Acids (e.g., acetic, hydrofluoric, etc.)
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced. In a fire, decomposition may produce toxic gases / fumes. Glass sand is not classified as a hazardous material by the criteria of the OSHA Hazard Communication Standard, Title 29, Code of Federal Regulations, Section 1910.1200.

Section 11 – Toxicological Information

TOXICOLOGICAL INFORMATION: Acute: Working with broken or cut tile produces potential for cuts to the hands and exposed body parts. Acute effects such as eye irritation may occur if associated with high dust operations such as dry cutting tile or during the removal of tile surfaces. Chronic: Not applicable for intact tiles. Excessive exposure to tile dust can cause discomfort and mechanical irritation. Long term exposure to silica dust can lead to silicosis.
Crystalline Silica (Quartz) LD50 Rat oral > 22,500 mg / kg & LD50 Mouse oral > 15,000 mg / kg LC50 Carp > 10,000 mg / l (per 72 hr)
Skin & Eye corrosion / irritation Inhalation and potential eye exposure to eyes may cause irritation if contact is made with broken, and / or during procedures involving the cutting of tiles, and / or for operations involving the removal of installed tiles.
Sensitization Existing lung disease may be aggravated after exposure to tile dust. Long term exposure to silica dust can lead to silicosis.

Section 12 – Ecological Information

ECOLOGICAL INFORMATION: Potential environmental impacts: This product is not classified as hazardous to the environment under GHS criteria. However, product is inorganic and not biodegradable and has low solubility in water. Mobility in soil: Low mobility in soil. Aquatic toxicity: N/A

Section 13 – Disposal Information

Dispose in accordance with local regulations. Avoid dust generation during disposal.

Section 14 – Transportation Information

Not classified as Dangerous Goods under Australian Code for the Transport of Dangerous Goods by Road and Rail ADG Code

Section 15 – Regulatory Information

Work Health and Safety Regulations 2011 and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS – Revision 7)

Safe Work Australia Code of Practice: Preparation of Safety Data Sheets

Safe Work Australia Code of Practice: Managing the Risks of Respirable Crystalline Silica

NSW Work Health and Safety Regulation 2017 (for silica dust controls, cutting, and PPE requirements)

Australian Inventory of Industrial Chemicals (AIIC)

Australian Code for the Transport of Dangerous Goods by Road and Rail ADG Code (Transport)

Section 16 – Other Information

This Safety Data Sheet has been prepared in accordance with the *Safe Work Australia Code of Practice: Preparation of Safety Data Sheets* and the GHS (Revision 7) classification criteria adopted in Australia.

This SDS is intended to provide guidance for safe handling, use, processing, storage, transportation, and disposal of the product. No warranty is expressed or implied regarding the accuracy or completeness of the information. Users must assess the suitability of this information for their purposes.



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