

Porcelain Tile

SAFETY DATA SHEET

DECOR8
TILES

Section 1: Identification- product identifier and chemical identity

Product Name: Fiorenza Porcelain Mosaic

Recommended Use: Ceramic material for surface applications.

Supplier: Decor8 Tiles Pty Ltd
ABN: 71 112 905 147
Street Address: 26 Klauer Street, Seaford, Victoria, Australia, 3198

Telephone: (+61) 3 9544 2827

Website: www.decor8tiles.com

Section 2: Hazard (s) Identification

Classification of the substance mixture: Respirable crystalline silica
Carcinogenicity (Category 1)

Potential effects on health: Ceramic & stone materials supplied by Decor8 Tiles Pty Ltd both in finish and installed do not pose any risk to health. However, the dust derived from the shaping processes (cutting, chopping, sanding, drilling, polishing or manufacturing) may contain respirable crystalline silica transported by air. Prolonged or repeated inhalation of respirable crystalline silica can cause pulmonary fibrosis, commonly known as silicosis, as well as other serious pulmonary diseases (epoc) and the appropriate considerations should be taken as described in this document.

DANGER STATEMENTS:

H372 - Causes damage to the lungs through prolonged or repeated exposure (inhalation)
H335 - May cause respiratory irritation



PREVENTATIVE MEASURES:

P202 - Do not handle the material before having read and understanding all the safety instructions.
P260 - Do not breathe the dust generated during the manufacturing process and forming of the pieces.
P264 - Thoroughly wash face and hands after handling.
P270 - Do not eat, drink or smoke during use.
P280 - Wear gloves, suitable work clothes and protective goggles.
P284 - Wear respiratory protection equipment for particles (P3)
P314 - Consult a doctor in case of discomfort

Section 3: Composition and information on ingredients

Ceramic materials supplied by Decor8 Tiles may include component materials such as clay, feldspar, talc, limestone, dolomite and silica sand.

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Components	CAS Number	Percentage by weight
Crystalline Silica (SiO ₂)	14808-60-7	29.65 %

Section 4: First Aid measures

Eye contact with dust: Wash immediately with plenty of water for a minimum of 15 minutes. Seek medical attention immediately.

Skin contact with dust: Wash the affected area with soap and plenty of water. Seek medical attention if adverse effects occur.

Inhalation of dust: Move the person to fresh air. If the person has stopped breathing, administer artificial respiration and seek medical attention urgently.

Ingestion of dust: The product in its commercialized form is inert. If large amounts have been ingested, seek medical attention.

Section 5: Firefighting Measures

Extinguishing material: Non-flammable product (A1)

Specific hazards produced by the substance or mixture: Not applicable

Advice for firefighters: Not applicable

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Avoid generating dust, Decor8 Tiles recommends wet cutting / polishing to avoid exposure to silica dust.

Precautions related to the environment: Not applicable

References to other sections: See sections 7,8 and 13.

Section 7: Handling and storage

Protective measures:

Avoid and reduce as much as possible the creation of dust. Use aspiration systems or respiratory protection equipment of particles. Wash hands with soap and water at the end of work. Remove clothing with traces of dust at the end of work.



Do not eat, drink or smoke in work areas

Section 8: Exposure control and personal protection



Foot protection: Wear protective footwear.



Respiratory protection. Mask FFP3 according to regulation EN 143: 2001 and its revisions EN 143/AC: 2002 and EN 143 / AC: 2005



Hand protection: Wear protective gloves.



Face and eye protection: Glasses with strong frames.

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Section 9: Physical and chemical properties

General Information:	N/A= Not applicable
Appearance: Solid, different colour according to the reference	Melting Point: N/A
Boiling Point: N/A	Vapor pressure: N/A
Solubility in water: N/A	Vapor density: N/A
Evaporation rate: N/A	Viscosity: N/A
Volatility: No VOCs	Odour: Odourless

Section 10: Stability and Reactivity

Reactivity: Not applicable.

Chemical stability: Not applicable.

Possibility of dangerous reactions: Not applicable.

Conditions that should be avoided. The formation of dust must be avoided.

Incompatible materials: Acids (e.g. hydrofluoric acid)

Hazardous decomposition products: No known products.

Section 11: Toxicological information

Potential health effects

Primary Routes of Exposure: None for intact tile. Inhalation and potential exposure to eyes, hands, or other body parts if contact is made with broken tile, and/or during procedures involving the cutting of tiles, and/or for operations involving the removal of installed tiles

Immediate Effects: There are no immediate effects known from exposure to intact tile. However, handling broken or cut tile poses a risk of cuts to the hands and other exposed body parts. Activities generating high levels of dust, like dry cutting tile or removing installed tile, may cause eye irritation as an acute effect. In very rare instances, exposure to extremely dusty environments from tile dust generation can lead to acute silicosis, a type of silicosis characterised by nodular pulmonary fibrosis due to respirable crystalline silica exposure. Symptoms such as laboured breathing and early fatigue may suggest silicosis, though these can also arise from other conditions.

Chronic Effects There are no known long-term effects from exposure to intact tile. Prolonged and consistent exposure to respirable crystalline silica at or above established occupational exposure limits can potentially lead to the development of silicosis, characterized by nodular pulmonary fibrosis (NPF). NPFs are also linked to pulmonary tuberculosis, bronchitis, emphysema, and other respiratory conditions. Chronic exposure to silica dust may additionally contribute to autoimmune disorders, chronic renal disease, and other negative health outcomes. Epidemiological research indicates that workers exposed to high levels of silica are at a significant risk of

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developing chronic silicosis. Symptoms such as laboured breathing and early fatigue may suggest silicosis; however, these indicators can also stem from various other causes.

Potential Adverse Interactions: Silicosis can be exacerbated by serious mycobacterial or fungal infections, potentially leading to tuberculosis (TB). Research has shown that silicosis increases the likelihood of developing TB. Exposure to respirable crystalline silica can complicate pre-existing respiratory or pulmonary conditions. Smoking may further elevate the risk of negative effects when combined with occupational exposure to silica dust exceeding permissible limits.

Section 12: Ecological information

Not applicable.

Section 13: Disposal considerations

The waste can be assimilated to inert construction waste, so it must be removed by the authorized manager for this type of waste.

Section 14: Transportation information

Ceramic Tile material is not restricted in any of the following categories:

Transport of dangerous goods (adr).

International transport of dangerous goods by rail (rid).

Maritime transport (imo).

Air transport (icao / iata).

Section 15: Regulatory Information

This Safety Data Sheet (SDS) was prepared on 1/07/2024 by Decor8 Tiles in accordance with Safe Work Australia's 'Model Code of Practice':

<https://www.safeworkaustralia.gov.au/law-and-regulation#the-modelwhs-laws>

Section 16: Other information

Always check with Decor8 Tiles Pty Ltd before using or supplying this material for other applications, different to those previously stated. The information in this document is to our knowledge up-to-date and accurate however, we cannot guarantee the recommendations or suggestions herein, as the material conditions of use are beyond our control. In addition, the contents of this safety data sheet must not be interpreted as a recommendation to use any product in violation of the laws, safety practices or patents in force on any material or its use. It is the responsibility of the recipient of our material to check the corresponding rules and regulations. Under no circumstances does the data contained in this Safety Data Sheet constitute a guarantee or warranty of specific properties or create any contractual relationship.