

MATERIAL SAFETY DATA SHEET

Porcea Stone Porcelain

1. Identification of the substance/mixture and the company/undertaking

Product identifier:	Porcelain Stones
Commercial name:	Porcea Stone Porcelain
Relevant identified uses of the substance:	Paving, floorings, claddings
Details of the distributor:	Porcea Stone Inc. 12393 Coleraine Drive, Bolton, ON L7E 3B4, Canada Tel: 1-833-942-2200 · Email: info@porceastone.com · www.porceastone.com

2. Hazards identification

Classification of the substance or mixture:	The substance or mixture is not classified.
Label elements:	Not applicable.
Other hazards:	Not applicable for intact tiles. May cause irritation of the respiratory tract. Long-term exposure to silica dust can lead to silicosis.

3. Composition/information on ingredients

Substance:	Crystalline Silica (Quartz) $\text{SiO}_2 < 0.5\%$ Amorphous Silica (fused) $62\% < \text{SiO}_2 < 71\%$
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4. First aid measures

Description of first aid measures:	Inhalation: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. Consult a physician for severe cases. Skin contact: Wash with water and soap as a precaution. If skin irritation persists, call a physician. Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist. Ingestion: Rinse mouth with water and afterwards drink plenty of water.
Most important symptoms and effects, both acute and delayed:	The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.

Indication of any immediate medical attention and special treatment needed:	None known.
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5. Firefighting measures

Extinguishing media:	No special precautions needed; all extinguishing measures are suitable.
Special hazards arising from the substance or mixture:	The product itself does not burn.
Recommendations for firefighters:	No special precautions needed.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Avoid dust formation. Do not breathe vapours/dust. Evacuate personnel to safe areas.
Environmental precautions:	Do not flush into surface water or sanitary sewer system.
Methods and material for containment and cleaning up:	Take up mechanically and collect in a suitable container for disposal.
Reference to other sections:	See Sections 8 and 13.

7. Handling and storage

Precautions for safe handling:	Provide appropriate exhaust ventilation at places where dust is formed. Avoid dust formation. Avoid contact with skin and eyes.
Conditions for safe storage, including any incompatibilities:	Store at room temperature in the original packaging. Keep in a dry place. In fixed work stations, provide local exhaust where the product is worked in order to prevent dispersion of dust.
Specific end uses:	No information available.

8. Exposure controls/personal protection

Control parameters:	Respirable dust fraction — permissible exposure limits: Crystalline Silica (Quartz) TLV: 0.05 mg/m ³ (ACGIH) Amorphous Silica (fused) TLV: 0.1 mg/m ³ (ACGIH)
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Exposure controls:	Occupational exposure controls: General industrial hygiene practice. Wash hands before breaks and at the end of the work day. Avoid contact with skin and eyes. Personal protective equipment Respiratory protection: Do not breathe dust or spray mist. In case of dust formation and when cutting tile, use a dust mask. Use of a properly fitted NIOSH/MSHA-approved particulate respirator is recommended when cutting tiles. Hand protection: Broken tile can be sharp; therefore, appropriate gloves should be worn when working with broken product. Eye protection: Avoid contact with eyes. In case of dust formation and when cutting tile, wear tight-fitting goggles. Skin and body protection: No special measures required. Thermal hazards: No special measures required. Environmental exposure controls: No special measures required.
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9. Physical and chemical properties

Information on basic physical and chemical properties:	State of aggregation: solid Commercial shape: tiles Colour: various colours Odour: none Water solubility: insoluble Melting point: > 1000 °C Density: 2250 kg/m³
Other information:	No information available.

10. Stability and reactivity

Reactivity:	Not applicable.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No hazards to be specifically mentioned.
Conditions to avoid:	Avoid contact with acids (hydrofluoric, etc.).
Incompatible materials:	Avoid contact with acids (hydrofluoric, etc.).
Hazardous decomposition products:	None under normal use.

11. Toxicological information

Information on toxicological effects:	Acute toxicity: Excessive exposure to tile dust can cause eye, skin, and lung irritation from mechanical abrasion. Ingestion is not applicable for intact tile. Chronic toxicity: Not applicable for intact tiles. Excessive exposure to tile dust can cause discomfort and mechanical irritation. Long-term exposure to silica dusts can lead to silicosis. Skin corrosion/irritation: None. Serious eye damage/eye irritation: May irritate eyes. Respiratory/skin sensitization: None. Carcinogenicity: Respirable crystalline silica (quartz) is classified by the International Agency for Research on Cancer (IARC) as a human carcinogen. Intact tile is not believed to be hazardous, and limited potential of exposure exists for crystalline silica (quartz) during installation, disposal, and/or if damaged. Crystalline silica is described in ACGIH and NIOSH as being identified in other sources as a suspected human carcinogen; however, fused silica is reported only by ACGIH as a suspected human carcinogen. Germ cell mutagenicity: No data available. Reproductive toxicity: No data available. Specific target organ toxicity (single exposure): No data available. Specific target organ toxicity (repeated exposure): No data available. Aspiration hazard: No data available. Human experience: This product has no known adverse effect on human health.
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12. Ecological information

Toxicity:	No data available.
Persistence and degradability:	Can be eliminated from water by sedimentation.
Bioaccumulative potential:	Does not bioaccumulate.
Mobility in soil:	No data available.
Results of PBT and vPvB assessment:	No data available.
Other adverse effects:	No data available.

13. Disposal considerations

Waste treatment methods:	Waste from residues/unused products: Disposal in accordance with local regulations. According to the European Waste Catalogue, waste codes are not product specific, but application specific. EWC waste disposal No.: 17 02 02. Contaminated packaging: Offer rinsed packaging material to local recycling facilities.
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14. Transport information

Land transport (RID/ADR):	Not regulated.
Sea transport (IMO):	Not regulated.
Air transport (ICAO/IATA):	Not regulated.
Other information:	Not classified as dangerous within the meaning of transport regulations.

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:	In accordance with Regulation (EC) No. 1272/2008 (GHS/CLP), the product does not need to be classified nor labelled.
Chemical safety assessment:	A Chemical Safety Assessment is not required for this substance.

16. Other information

Bibliography:	Regulation (EC) 1907/2006 of the European Parliament (REACH). Regulation (EC) 1272/2008 of the European Parliament (CLP). Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP). Regulation (EU) 2015/830 of the European Parliament. Regulation (EU) 878/2020 of the European Parliament.
Disclaimer:	Every precaution is taken in production to ensure that the product is in conformity with the provided measures and with the data published, but since it is manufactured from natural raw materials, slight variations may occur due to variations in natural deposits. The information contained herein is based on our knowledge at the date of publication. It is not to be considered a warranty or quality specification. The user is required to verify the suitability and completeness of such information in relation to the specific intended use. This sheet cancels and replaces all previous editions.