

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

Product identifier:	L'ALTRA PIETRA Porcelain Stoneware
Commercial name:	Porcelain stoneware, Ceramic
Relevant identified uses of the substance:	Pavings, floorings, claddings
Details of the supplier of the safety data sheet:	GRANULATI ZANDOBBIO S.p.A. 24060 Zandobbio (BG) - Italy Via Selva, 29 info@granulati.it
Emergency telephone number:	+39 02 66101029 Poison Control Center Niguarda Hospital

**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 respiratory tract. Long term exposure to silica dusts can lead to silicosis.

**3. Composition/information on ingredients**

Substance:	Crystalline Silica (Quartz) SiO <sub>2</sub> < 0.5%
	Amorphous Silica (fused) 62% < SiO <sub>2</sub> < 71%

**4. First aid measures**

Description of first aid measures:	<b>Inhalation:</b> Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. Consult a physician for severe cases.
	<b>Skin contact:</b> Wash with water and soap as a precaution. If skin irritation persists, call a physician.
	<b>Eye contact:</b> Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
	<b>Ingestion:</b> Clean mouth with water and drink afterwards 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.
---	-------------

**5. Firefighting measures**

Description of first aid measures:	No special precautions needed, all extinguishing measures are suitable.
Most important symptoms and effects, both acute and delayed:	The product itself does not burn.

Indication of any immediate medical attention and special treatment needed:

No special precautions needed.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:  
Environmental precautions:

Avoid dust formation. Do not breathe vapors/dust.  
Evacuate personnel to safe areas.  
Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up:

Take up mechanically and collect in suitable container for disposal.

Reference to other sections:

See chapter 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 if the product is used in order to guarantee dispersion of dust.

Specific end uses:

No information available.

## 8. Exposure controls/personal protection

Control parameters:

Respirable dust fraction:  
Permissible exposure limit  
Crystalline Silica (Quartz) TLV: 0.05 mg/m<sup>3</sup> (ACGIH)  
Amorphous Silica (fused) TLV: 0.1 mg/m<sup>3</sup> (ACGIH)

Exposure controls:

Occupational exposure controls:  
General industrial hygiene practice. Wash hands before breaks and at the end of work day. Avoid contact with skin and eyes.

Personal protection equipment

Respiratory protection:

Do not breathe dust or spray mist. In case of dust formation and when cutting tile use dust mask. Use of a properly fitted NIOSH/MSHA approved particulate respirator is recommended when cutting tiles.

Hand protection:

Broken tile could be sharp; therefore, appropriate gloves should be worn if 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.

## 9. Physical and chemical properties

Information on basic physical and chemical properties:

State of aggregation: solid  
Commercial shape: tiles

Colour: various colours  
Odour: no  
Water solubility: insoluble  
Melting point > 1000°C  
Density: 2250 kg/m<sup>3</sup>  
No information available.

Other information:

## 10. Stability and reactivity

Reactivity: Not applicable.  
Chemical stability: Stable in 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 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.

## 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.

**14. Transport information**

Terrestrial (RID/ADR) Not regulated.  
Maritime (IMO) Not regulated.  
Aerial (ICAO/IATA) Not regulated.  
Other info: Not classified as dangerous in 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**

Disclaimer: Every precaution is taken in production to ensure that the product is in conformity with the provided measures and with data published, but since it is a natural product, you may experience a slight change due to variations in natural deposits. The information contained herein is based on our knowledge at the above specified data.  
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.