

1. Identification of the substance or preparation and of the company/undertaking

Product identification

Trade name: **Wall Tile (glazed)**

Relevant identified uses of the substance or mixture and uses advised against

Application of substance/preparation: Wall, floor covering, decoration.

Details of the supplier of the safety data sheet

Manufacturer/supplier:

Company	Koninklijke Mosa bv
	PO Box 1026
	6201 BA
	Maastricht The
	Netherlands
Phone number	+31 (0)43 368 94
44 e-mail address	info@mosa.com

Emergency telephone number

National Poisoning Information Centre: +31 88 755 8000

Professional responders can request information on acute poisonings from the National Poisons Information Centre (NVIC). The NVIC can be reached 24/7.

2. Hazard identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008: The product is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1GG/45/EC: Expires.

Special hazards for humans and the environment: The product does not require marking based on the calculation process of the "General Classification guideline for preparations in the EC", latest edition.

Classification system: The Classification corresponds to the current EC lists, but is supplemented by data from the trade literature and from the .

Labelling elements

Labelling according to EEC guidelines: The precautionary measures commonly used when handling chemicals must be observed. The product does not have to be marked according to EC directives/the GefStoffV.

Other dangers:

The firing process creates a very stable chemical crystal structure. Therefore, tiles do not pose an immediate hazard. However, activities such as drilling, sawing and grinding tiles may produce dust containing crystalline silica. Inhalation of this dust is hazardous to health and should be avoided.

Results of PBT and vPvB assessment

PBT: Does not meet the specific criteria set out in ANNEX XII of Regulation 1907/2006 and the substance is therefore not assessed as PBT.

vPvB: Does not meet the specific criteria set out in ANNEX XII of Regulation 1907/2006 and the substance is therefore not assessed as vPvB.

3. Composition and information on ingredients

Chemical characterisation: Mixtures

Description: Mixture of consecutive substances with non-hazardous admixtures.

Hazardous contents: Not applicable

Non-hazardous contents: Tiles consist of a mixture of mainly clay and other naturally occurring minerals. After mixing with water and pressing the tile, the product is fired at a very high temperature. During the firing process, very stable crystal lattices are formed in which the individual chemical elements are laid down.

Main constituents of floor and wall tiles are silicon oxide (60-70 %) and aluminium oxide (15-25 %). Main constituents of the glaze are silicon oxide (approx. 50 %), aluminium oxide (approx. 10 %) and calcium oxide (approx. 10 %).

Additional data:

The verbatim content of the specified instructions on potential hazards can be found in chapter 16.

4. First aid measures

Description of first aid measures: This section applies only to tile handling (drilling, cutting, sawing, grinding, removal, etc).

After inhalation: Administer fresh air; consult doctor in case of symptoms.

After skin contact: Generally, the product is not irritating to the skin

After eye contact: Rinse eyes with running water for several minutes if the eyelid is open

After swallowing: If symptoms do not diminish, consult a doctor

Information for the doctor:

Main acute and delayed symptoms and effects: See section 11.

Indication of immediate medical attention and special treatment required:

Apply standard first aid.

5. Fire-fighting measures

Suitable extinguishing agents: Not .

Special hazards from the substance or mixture: Not .

Advice for firefighters: Not .

Special protective clothing: No special measures required.

6. Measures in case of accidental release of the substance or mixture

Personal precautions, protective equipment and emergency procedures:

If dust is released during processing: Wear breathing protection (P3 dust mask); good ventilation; remove dust using an industrial Hoover.

Environmental precautions: No special measures necessary.

Methods and material for containment and cleaning: Picking up mechanically (industrial Hoover)

Reference to other sections:

No hazardous substances are released.

Information on safe use - see chapter 7.

Information on personal protective equipment - see section 8.

Information on disposal - see section 13.

7. Handling and storage

Handling:

Precautions for safe handling of the substance or mixture:

No special measures required.

Information about fire and explosion protection: No special measures required.

Storage:

Requirements in relation to storage space and tanks: No special requirements.

Information regarding joint storage: Not .

Further information on storage requirements: None.

Specific end use: No further relevant information available.

8. Measures to control exposure/personal protection

Additional data regarding the design of technical installations: No additional data.

Components with limit values that require at the workplace:

The product does not contain relevant quantities of substances, which need to be controlled in terms of limit values in relation to workplaces.

Additional data: Professional tile processing (drilling, sawing, grinding tiles, removing old tile layers) may release dust. This dust contains crystalline silica.

Note: Respirable dust crystalline silica legal limit: 0.075 mg/m³.

Exposure control measures Personal protective

equipment:

Respiratory protection: When cutting or grinding tiles, always wear respiratory protection in combination with the use of local exhaust facilities. In this situation, wearing a P3 filter mask is sufficient. If facilities such as local extraction or wet operations are not used, a (half- or full-face) mask with powered filtered air should be used (type TM3P). This is also recommended when removing old tile layers.

Hand protection: Wear cut-resistant work gloves during tiling and processing. **Eye protection:** Wear safety glasses with side pieces or a face shield when cutting or grinding tiles or removing old tile layers. Avoid wearing contact lenses.

Risk management measures

Technical measures: Preferably make tiles to size by cutting rather than sawing or grinding. When sawing/grinding tiles or demolishing tile walls, use equipment equipped local extraction and dust collection and preferably equipment with water supply (wet execution of sawing and grinding; use of a demolition robot with humidification).

G. Physical and chemical properties

Information on basic physical and chemical properties General data

Occurrence:

Shape:	Fixed
Colour:	Varying, depending on colouring
Odour:	Odourless
Odour threshold value:	Not determined
pH value:	Not usable
Condition change:	
Melting point/melting range:	Not applicable
Boiling point/boiling point range:	Not determined
Flash point:	Not applicable
Flammability (solid, gaseous):	Not determined
Ignition temperature:	
Decomposition temperature:	Not determined
Self-ignition:	The does not ignite by itself
Explosion hazard:	The product is not explosive hazard
Explosion limits:	
Bottom:	Not determined
Upper:	Not determined
Vapour pressure:	Not usable
Density:	Not determined
Relative density:	Not determined
Vapour density:	Not usable
Evaporation rate:	Not usable
Solubility in/mixability with	
Water:	Not soluble.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity	
Dynamic:	Not usable.
Kinematic:	Not usable.
Other information:	No further relevant information available.

10. Stability and reactivity

Reactivity and chemical stability

Thermal degradation / conditions to be avoided: No decomposition when used as .

Possible hazardous reactions: No known hazardous reactions.

Conditions to avoid: No further relevant information available. **Incompatible materials:**

Avoid contact with strong acids. **Hazardous decomposition products:** No known hazardous decomposition products.

11. Toxicological information

Information on toxicological effects Acute toxicity

Primary condition:

on the skin: Skin irritation due to abrasion.

to the eye: Eye irritation due to exposure to high concentrations of dust.

Hypersensitivity: No effect of hypersensitivity known.

Subacute to chronic toxicity:

Prolonged exposure through the respiratory tract to concentrations of crystalline quartz above the applicable limit value can lead to silicosis (occurrence of connective tissue formation in the respiratory tract) and is associated with a number of other conditions (including bronchitis, emphysema). Smoking can intensify the effect.

Additional toxicological information:

Based on the calculation process of the EC General Classification Guidelines for Preparations in the latest valid editions, the product is not subject to labelling.

When handled competently and used as directed, the product does not cause any adverse health effects based on our experience and information known to us.

Acute effects (acute toxicity, irritation and corrosion):

Although cases of the occurrence of acute silicosis due to short-term respiratory exposure to very high concentrations of crystalline silica have been described in the literature, this is extremely rare. **CMR effects (carcinogenicity, mutagenicity and reproductive toxicity):** Crystalline silica is classified by the IARC (International Agency for Research on Cancer) as a human carcinogen (Group I).

12. Ecological information

Toxicity

Aquatic toxicity: Product is not soluble in water and not toxic.

Persistence and degradability: According to current experience, this product is inert and non-degradable.

Behaviour in environmental compartments:

Bioaccumulation: Does not accumulate in organisms.

Mobility in soil: No further relevant information available.

Further ecological information:

General information: Water hazard (EN) 10: May cause adverse effects in the aquatic environment.

Generally no hazard for water

Results of PBT and vPvB assessment:

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vPvB: Does not meet the specific criteria set out in ANNEX XII of Regulation 1907/2006 and the substance is therefore not assessed as vPvB.

Other adverse effects: No further relevant information available.

13. Removal instructions

Waste treatment methods

Recommendation: small quantities can be of together with household waste.

Uncleaned packaging: Recommendation: Waste disposal according to government regulations.

14. Information relating to transport

Land transport ADR/RID (cross-border)

ADR/GGVSEB class: Not applicable

Transport by seagoing vessel IMDG:

IMDG class: Not applicable

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA class: Not applicable

UN "Model Regulation": Not applicable

Special precautions for : Not applicable

Transport in bulk according to Annex II to MARPOL 73/78 and the IBC Code: Not applicable.

15. Regulation

Safety, health and environmental regulations and legislation specific to the substance or mixture

National regulations:

Hazard class v. water:

Water hazard (EN) 10: Remediation effort A Not applicable

Chemical safety assessment: A chemical safety assessment has not been carried out.

16. Other information

These data are based on the current state of our knowledge. However, they do not describe a guarantee of product properties and do not establish a contractual legal relationship.

When applying tiles (tiling), it is wise to observe the following in addition to the precautions already mentioned:

- Wearing proper workwear
- Wearing knee pads
- Wearing safety shoes
- Use of appropriate lifting/transportation equipment

The information and data contained in this Safety Data Sheet are based on the current state science and technology and, to the best of our knowledge, accurate as of the date of issue indicated.

However, the data does not describe a guarantee of product properties and does not establish a contractual legal relationship.

The above information has been compiled with the greatest possible care. However, we cannot accept liability for damage of any kind which be caused by the use of this information or the product in question.

Abbreviations and acronyms:

ADR: European concerning the International Carriage of Dangerous Goods by Road.

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

PBT: Persistent, bioaccumulative and toxic vPvB:

very persistent and very bioaccumulative

CLP regulation: Classification, Labelling and Packaging