



## **SAFETY DATA SHEET pursuant to REACH Regulation (EC) No 1907/2006, and Regulation (EC) No 1272/2008**

### **1. Identification of the Substance/Mixture and of the Company/Undertaking**

#### **1.1 Product identifier:**

Glazed and unglazed wall and floor tiles pursuant to the Declaration of Properties - product groups Bla and Blb.

#### **1.2 Identified uses:**

Building material for wall and floor tiling – ceramic tile, product group Bla and Blb with water absorption < 0.5%, Annex G and H pursuant to EN 14 411 and ISO 13006.

#### **1.3 Details of the supplier of the safety data sheet**

Manufacturer Information: Emergency telephone number: +420,800,303 333

LASSELSBERGER s.r.o., Adelova 2549/1, 320 00 Plzeň, Czech Republic

Company ID: 25238078, VAT ID: CZ 25238078, phone: +420 800 303 333 Fax: +420 378 021 119

E-mail:mailto:info@rako.cz

#### **1.4 Emergency telephone number**

For emergencies within Europe: 112

Telephone number of the domestic centre for prevention and treatment of intoxication: Occupational Disease Clinic: 224,919,293

Toxicology Information Centre, Na Bojišti 1, 128 08 Praha 2, Czech Republic +420 224 915 402

### **2. Hazard Identification**

#### **2.1 Classification of the substance or mixture**

Classification in accordance with Regulation (EC) No 1272/2008 (CLP). The product is not classified as hazardous.

#### **2.2 Label elements**

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

No classification.

### **3. Composition/Information on Ingredients**

Ceramic tiles are made of a mixture of clays, sands, kaolin, feldspar and other minerals using a wet process, and fired at high temperatures of > 1150 °C. Ceramic tiles are made in several formats and sizes from 10 × 10 cm to 120 × 60 cm and in various colour variants.

Safe components:

Composition:	CAS No	Approximate weight percentage
Clays, kaolin	1332-58-7	31.5-44.5



Sand, feldspar	68476-25-5	43,5-63,0
Dolomite, limestone	1317-65-3	3.5-3.9
Frits, glazes, loose material for sprinkling	65997-18-4	0.15-7.5
Silica, zirconium silicates	14808-60-7	0.20-0.40
Dyes	-	0.02-0.40

### 3.1 Hazard Identification

No hazards that might lead to injury are known in connection with the use of the floor tiles.

## 4. First Aid Measures

### General Notes

This material, as packed, does not represent any health risk. Tile installation and cutting to the required size and shape may affect health in the following ways:

#### Eye contact

Dust and small sharp fragments resulting from tile cutting may irritate and potentially injure the eyes if personal protective equipment is being used incorrectly. See the section on personal protective equipment and requirements for personnel protection. Rinse the eyes with plenty of water; if the irritation persists, seek medical assistance.

#### Skin contact

Dust and sharp edges may cause irritation and cuts if personal protective equipment is being used incorrectly. See the section on personal protective equipment and requirements for personnel protection.

#### Ingestion

Ingestion of small dust particles has no dangerous effect on human health. Rinse the mouth with water. Large fragments may damage the digestive tract and, therefore, every place where the tiles are prepared for tiling must be cleaned thoroughly after work to prevent the ingestion of dust, fragments or larger pieces and minimise the risk of ingestion with food brought to the place where the tiling is performed. When applying the tiles, do not have any food around so that potential ingestion of fragments of tiles or larger pieces is prevented.

#### Inhalation

Inhalation of dust generated by the tiling process may cause irritation of the upper airways and, in rare cases, may lead to allergic/asthmatic reactions. Remove the source of dust or transport the victim to fresh air. To prevent inhalation, technical protection means must be used where practicable and ventilation should be maximised. Where technical protection means are not available or their use is impracticable, personal protective equipment must be used whenever airborne dust from glazed and unglazed tiles is present.

## 5. Firefighting Measures

Glazed and unglazed tiles are non-flammable under normal circumstances; therefore, the firefighting measures must be adapted to the materials around the tiles. These include cardboard packaging materials, foils and any other transport means in which the tiles are supplied.

### 5.1 Extinguishing media

The product is not flammable.



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## 5.2 Special hazards arising from the substance or mixture

Not known.

## 6. Accidental Release Measures

The tiles by themselves represent no risk. In the event of accidental release, there is no threat except for the possibility of the persons present being buried under them. No risks to the environment are known. Spilled and broken tiles must be discarded in compliance with local regulations applicable to the isolated dumping of standard waste.

## 7. Handling and Storage

When handling and storing the tiles, be careful considering the high density of their material. Every carton weighs 20-25 kg on average. The maximum weight of a carton is specified on the package label. Carry one pack at a time to prevent injury. At low temperatures 50 °F (10°C), the tiles may become fragile and break or chip more easily when being handled than under normal conditions. Handle the tiles with care at low temperatures. If the tiles are to be stored on shelves or racks, consider their density beforehand in order to prevent the storage units from being overloaded.

## 8. Exposure Controls/Personal Protection

The tiles pose no danger when transported or stored, and cannot threaten personnel safety. When the tiles are cut or shaped for tiling there is a risk to personnel safety. To minimise this risk the following technical protective measures and personal protective equipment are recommended.

### 8.1 Technical Protective Measures

When working with floor tiles install appropriate technical protective devices in the form of ventilation and dust extraction. These include the use of a wet saw when cutting the tiles to the required size, open windows and the installation of ventilators for the dispersion of dust generated by tiling. The greatest threat posed by the tiles to tilers lies in the possibility of inhaling or being cut with newly cut edges. These hazards must be minimised by using properly maintained and serviced cutting tools and personal protective equipment.

### 8.2. Personal Protective Equipment

Personal protective equipment must be used permanently during installation of glazed and unglazed wall or floor tiles. The main risks lie in the possibility of one being cut with sharp edges when cutting the tiles to the required size and shape and placing them on the wall or floor and inhaling the dust generated. To minimise these risks, use the following personal protective equipment for the activities listed below.

#### Cutting to Size and Shape

Protective goggles, dust mask, leather gloves and protective footwear with steel toes and instep protectors.

#### Seating and Tiling

Protective goggles, dust mask, leather gloves and protective footwear with steel toes and instep protectors.

#### Carrying/Storing

Leather gloves and protective footwear with steel toes and vamp protectors.

## 9. Physical and Chemical Properties

The tiles are inert under normal conditions of use.



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Boiling point	Not used
Vapour pressure	Not used
Phase	Solid
Colour	Not used
Odour	Not used
pH	Not used

## 10. Stability and Reactivity

### 10.1 Reactivity

Inert, non-reactive.

### 10.2 Chemical stability

The tile is chemically stable.

### 10.3 Possibility of hazardous reactions

No hazardous reactions are known.

### 10.4 Conditions to avoid

None.

### 10.5 Incompatible materials

None.

### 10.6 Hazardous decomposition products

None.

## 11. Toxicological Information

No toxicological data are available.

## 12. Ecological Information

No ecological data are available.

## 13. Disposal Considerations

The tiles are disposed of in compliance with all national and local regulations.

## 14. Transport Information

The material of floor tiles is not governed by American regulations US DOT or Canadian regulations TDG.

### 14.1 UN number

Not relevant.

### 14.2 UN proper shipping name



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Not relevant.

### **14.3 Hazard class(es)**

ADR: No classification.

IMDG: No classification.

ICAO/IATA: No classification.

RID: No classification.

### **14.4 Packing group**

Not used.

### **14.5 Environmental hazards**

Not relevant.

### **14.6. Special precautions for user**

Not relevant.

### **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

The product is not regulated.

## **15. Regulatory Information**

The material of the tiles is not governed by any of:

TSCA

CERCLA

SARA 302, 313

## **16. Other Information**

The product contains quartz. When working with tiles pay special attention to eliminating the inhalation of dust generated. It is recommended that the tiles should be cut underwater. Other details are provided in Section 8 "Exposure Controls/Personal Protection".

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End of Safety Data Sheet