

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Formula:

Nome	%
Clay	60
Limestone	15
Kaolin	15
Recovered Tile Material	10

Product Name: Simpatico

1.2. Intended Use of the Product

Ceramic Tile Coverings

1.3. Name, Address, and Telephone of the Responsible Party

Company:

Eliane Revestimentos Cerâmicos

R. Maximiliano Gaidzinski, 245 - Centro, Cocal do Sul - SC, 88845-000

Phone: 55 (48) 3447-7777

www.eliane.com

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US Classification - Non Applicable

2.2. Label Elements

GHS-US Labeling - Non Applicable

Hazard Pictograms (GHS-US) - Non Applicable

2.3. Other Hazards

Ceramic tiles are a mixture of natural minerals, such as: clay, feldspar, kaolin, etc, that are mixed with water, passing through a spray dryer, in conformity with the sizes in hydraulic presses; posteriorly they receive a high temperature firing and are packed for commercialization. Ceramic products are odorless, non-flammable, are stable and non-hazardous to health. Inhalation and potential eye exposure, hands and other body parts when in contact with broken tiles or during cutting procedures of the parts and/or in operations involving the removal or installation of the ceramic tiles. We recommend wet cutting or the score and snap method during the installation process. Do not dry cut using power tools during the installation process. Improper installation techniques could expose installer to harmful silica dust.

2.4. Unknown Acute Toxicity (GHS-US)

Non Applicable

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substance

Non Applicable

3.2. Mixture

Substance Name	%
Quartz	45
Mullite	10
Feldspar	22
Non Crystalline	23

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid General Measures: the packed material and or the ceramic tiles are non-hazardous to health. During the handling of the material, if they are broken/chipped there might be the risk of hand cuts. During tile cutting procedures, using cutting machines, there might be the emission of inhalable particles and fragments that can hit the eye.

First-aid measures: in case of hand cutting, prevent blood flow and obtain medical attention.

First-aid Measures After Eye Contact: Rinse with plenty water and seek for medical assistance.

Emission of particulate material during the cutting process: look for a ventilated place.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Non Applicable

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Non Applicable

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Ceramic tiles are non-flammable

5.2. Special Hazards Arising From the Substance or Mixture

Non Applicable

5.3. Advice for Firefighters

Non Applicable

Hazardous Combustion Products: Non Applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Non Applicable

6.1.1. For Non-Emergency Personnel

Non Applicable

6.1.2. For Emergency Personnel

Non Applicable

6.2. Environmental Precautions

Non Applicable

6.3. Methods and Materials for Containment and Cleaning Up

For the cleaning up of the premises, collect the broken ceramic tiles using a squeegee and a dust pan, and allocate in accordance with the local regulations.

Dust and small fragments can be collected thru suction.

6.4. Reference to Other Sections

Non Applicable

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Do not inhale the dust. We recommend wet cutting or the score and snap method during the installation process. Do not dry cut using power tools during the installation process. Improper installation techniques could expose installer to harmful silica dust.

In the impossibility of wet cutting, use a facial breather.

During the handling of the ceramic tiles, make use of protection gloves and safety footwear with steel toecap.

In the process of ceramic cutting make use of protection goggles.

For large format product installation, the product must be handled by two people and they must use suction cups and / or anti-cutting hose.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Store the product in a dry place, in a way that it is kept in stable piles.

Incompatible Products: to guarantee product quality, keep it away from strong acids.

7.3. Specific End Use(s)

No use is specified.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Parâmetros de controle

Composition	ACGIH	NR 15	Unit
Quartz	0.025	*	mg/m ³
Mullite	NE	NE	mg/m ³
Feldspar	NE	NE	mg/m ³
Non Crystalline	NE	NE	mg/m ³

* The limit for breathable dust, according to NR 15 - Activities and Unhealthy Operations, it is calculated in accordance with the % of Silica in the sample. NE = Not Established.

8.2. Exposure Controls

Personal Protective Equipment: Gloves. Protective goggles. Wear respiratory protection, although wet cutting methods are recommended. Wet cutting methods and exposure control methods set forth in Table 1 of 29 CFR § 1926.1153 are recommended.

Safety footwear with steel toecap.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State:	Solid
Appearance:	Solid, flat shapes of variable color
Odor:	None
Odor Threshold:	No data available
pH:	No data available
Evaporation Rate:	No data available
Melting Point:	>1180°C
Freezing Point:	No data available
Boiling Point:	No data available
Flash Point:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Flammability (solid, gas):	No data available
Vapor Pressure:	No data available
Relative Vapor Density at 20°C:	No data available
Relative Density:	No data available
Specific Gravity (g/cm ³):	2.15
Solubility:	No data available
Partition Coefficient: N-Octanol/Water:	No data available
Viscosity:	No data available

9.2. Other Information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:	Hazardous reactions will not occur under normal conditions.
10.2. Chemical Stability:	Stable under recommended handling and storage conditions (see section 7).
10.3. Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
10.4. Conditions to Avoid:	Direct sunlight, extremely high or low temperatures, and incompatible materials.
10.5. Incompatible Materials:	Keep away from: strong acids, strong bases and oxidation agents.
10.6. Hazardous Decomposition Products:	None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity: Not classified

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Not classified.

12.2. Persistence and Degradability

Porcelain Tile

Persistence and Degradability: Non Applicable

12.3. Bioaccumulative Potential

Porcelain Tile

Bioaccumulative Potential: Non Applicable

12.4. Mobility in Soil

Non Applicable

12.5. Other Adverse Effects

Non Applicable

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

in accordance with local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION

Transport recommendation: proceed according to the local, regional, national and international regulations.

SECTION 15: REGULATORY INFORMATION

Follow local, regional, national and international regulations.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date: April 10th, 2018

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. We highlight that the presented date is referring to ceramic tile for final consumer usage and not its production process.