

1. IDENTIFICATION

1.1. Product Identifier

Product: Cotto Moderno Hex Porcelain

Porcelain tile



1.2. Intended Use of the Product

Ceramic Tiles Coverings

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

Empresa: Eliane Revestimentos Ceramicos Ltda
Rua Maximiliano Gaidzinski-sala 2, N. 245 - Centro, Cocal do Sul - SC, 88845-000. Brasil
Telefone: +55 (048) 3447-7777
www.eliane.com

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.

2.4. Unknown Acute Toxicity (GHS-US)

Non Applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substance

Non Applicable

3.2. Mixture

Substance Name	Quantity
----------------	----------

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

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Ceramic 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

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 regulamentarions.

Dust and small fragments can be collected thru suction.

6.4. Reference to Other Sections

Non Applicable

7. HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Do not inhale the dust. Wet cutting methods are recommended.

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.

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

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Composition	ACGIH	NR 15	Unit
-------------	-------	-------	------

* 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 for wet cutting methods are recommended.

Safety footwear with steel toecap.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

9.2. Other Information

No additional information available

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.

11. TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity: Not classified

12. DISPOSAL CONSIDERATIONS

12.1. Toxicity

Ecology - General: Not classified.

12.2. Persistence and Degradability

Persistence and Degradability: Non Applicable

12.3. Bioaccumulative Potential

Bioaccumulative Potential: Non Applicable

12.4. Mobility in Soil

Non Applicable

12.5. Other Adverse Effects

Non Applicable

13. DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Follow local, regional, national and international regulations.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date: 01/12/2020

This information was based on our current knowledge and is intended to describe the product for health, safety and environmental requirements only. It should not, therefore, be interpreted as a guarantee of any specific property of the product. We emphasize that the data presented refer to the ceramic tile in the final consumer and not in its production process.

QR WARRANTY CODE:

Validate this certificate in:



COCAL DO SUL (SC), June 01th, 2023

Sergio Pereira Ruzza
CRQ: 13200008
Ceramic Technology Manager

Angela Waterkemper Vieira
P&D Coordinator

1. IDENTIFICATION

1.1. Product Identifier

Product: Cotto Moderno Floor Tile (non-hex)
Porcelain tile



1.2. Intended Use of the Product

Ceramic Tiles Coverings

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

Empresa: Eliane Revestimentos Ceramicos Ltda
Rua Maximiliano Gaidzinski-sala 2, N. 245 - Centro, Cocal do Sul - SC, 88845-000. Brasil
Telefone: +55 (048) 3447-7777
www.eliane.com

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.

2.4. Unknown Acute Toxicity (GHS-US)

Non Applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substance

Non Applicable

3.2. Mixture

Substance Name	Quantity
----------------	----------

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

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Ceramic 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

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 regulamentarions.

Dust and small fragments can be collected thru suction.

6.4. Reference to Other Sections

Non Applicable

7. HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Do not inhale the dust. Wet cutting methods are recommended.

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.

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

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Composition	ACGIH	NR 15	Unit
-------------	-------	-------	------

* 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 for wet cutting methods are recommended.

Safety footwear with steel toecap.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

9.2. Other Information

No additional information available

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.

11. TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity: Not classified

12. DISPOSAL CONSIDERATIONS

12.1. Toxicity

Ecology - General: Not classified.

12.2. Persistence and Degradability

Persistence and Degradability: Non Applicable

12.3. Bioaccumulative Potential

Bioaccumulative Potential: Non Applicable

12.4. Mobility in Soil

Non Applicable

12.5. Other Adverse Effects

Non Applicable

13. DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Follow local, regional, national and international regulations.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date: 01/12/2020

This information was based on our current knowledge and is intended to describe the product for health, safety and environmental requirements only. It should not, therefore, be interpreted as a guarantee of any specific property of the product. We emphasize that the data presented refer to the ceramic tile in the final consumer and not in its production process.



QR WARRANTY CODE:
Validate this certificate in:



COCAL DO SUL (SC), June 01th, 2023

Sergio Pereira Ruzza
CRQ: 13200008
Ceramic Technology Manager

Angela Waterkemper Vieira
P&D Coordinator

1. IDENTIFICATION

1.1. Product Identifier

Product: Cotto Moderno Wall Tile



1.2. Intended Use of the Product

Ceramic Tiles Coverings

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

Empresa: Eliane Revestimentos Ceramicos Ltda
Rua Maximiliano Gaidzinski-sala 2, N. 245 - Centro, Cocal do Sul - SC, 88845-000. Brasil
Telefone: +55 (048) 3447-7777
www.eliane.com

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.

2.4. Unknown Acute Toxicity (GHS-US)

Non Applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substance

Non Applicable

3.2. Mixture

Substance Name	Quantity
Feldspar	10
Hematite	3
Mullite	13
Non-crystalline	44
Quartz	30

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

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Ceramic 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

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 regulamentarions. Dust and small fragments can be collected thru suction.

6.4. Reference to Other Sections

Non Applicable

7. HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Do not inhale the dust. Wet cutting methods are recommended.

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.

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

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Composition	ACGIH	NR 15	Unit
Quartz	0,025	*	mg/m ³
Feldspar	NE	NE	mg/m ³
Hematite	NE	NE	mg/m ³
Mullite	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 for wet cutting methods are recommended.

Safety footwear with steel toecap.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Appearance:	Solid, flat shapes of variable color
Boiling Point:	No data available
Flammability (solid, gas):	No data available
Flash Point:	No data available
Freezing Point:	No data available
Melting Point (°C):	1190
Odor:	None
Odor Threshold:	No data available
Partition Coefficient: N-Octanol/Water:	No data available
pH:	No data available
Physical State:	Solid
Relative Density:	No data available
Relative Vapor Density at 20°C:	No data available
Specific Gravity (g/cm ³):	2,34
Vapor Pressure:	No data available

9.2. Other Information

No additional information available

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.

11. TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity: Not classified

12. DISPOSAL CONSIDERATIONS

12.1. Toxicity

Ecology - General: Not classified.

12.2. Persistence and Degradability

Persistence and Degradability: Non Applicable

12.3. Bioaccumulative Potential

Bioaccumulative Potential: Non Applicable

12.4. Mobility in Soil

Non Applicable

12.5. Other Adverse Effects

Non Applicable

13. DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Follow local, regional, national and international regulations.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date: 01/12/2020

This information was based on our current knowledge and is intended to describe the product for health, safety and environmental requirements only. It should not, therefore, be interpreted as a guarantee of any specific property of the product. We emphasize that the data presented refer to the ceramic tile in the final consumer and not in its production process.

QR WARRANTY CODE:

Validate this certificate in:



COCAL DO SUL (SC), June 01th, 2023

Sergio Pereira Ruzza
CRQ: 13200008
Ceramic Technology Manager

Angela Waterkemper Vieira
P&D Coordinator