

SAFETY DATA SHEET

Safety Data Sheet in accordance with Regulation (Eu) 2020/878

The CERATOP® porcelain stoneware sheet is a product made from natural mineral raw materials that allows covering large surfaces and offers ultra-resistant finishes for kitchen countertops, tables, or cabinets.

NO ADVERSE HEALTH OR ENVIRONMENTAL EFFECTS OF THE FINISHED PRODUCT ARE KNOWN.

During the machining, cutting, and polishing process of the CERATOP® porcelain stoneware sheet, dust containing respirable crystalline silica (RCS) may be released into the environment, whose inhalation can cause acute or chronic silicosis (nodular fibrosis of the lungs) depending on the amount and duration of exposure. Silicosis is a risk factor for developing lung cancer. In addition, free silica dust is a carcinogenic agent capable of causing lung cancer, a recognized occupational disease.

The amount of RCS contained in the dust released during the machining, cutting, and polishing process is variable because it depends on the quantity and size of the particles generated during machining (RCS has a particle size of less than 4 µm).

1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Product identifier.

Product name: Product **CERATOP®**
description: **Porcelain stoneware**

1.2 Identified relevant uses of the substance or mixture and uses advised against.

Identified relevant uses: Construction material. Coating for large surfaces, as well as kitchen countertops, tables, cabinets, etc.

Uses advised against: Do not machine the material dry; avoid dust generation. Any use not specified in this section or in section 7.3.

1.3 Supplier information of the safety data sheet.

Company: RAMILO S.L.U.
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1.4 Emergency phone number:

EMERGENCY +915 620 420

National Institute of Toxicology and Forensic Sciences (24h/365 days)

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture:

2.1.1. Classification of the mixture.

The product is not classified as hazardous according to Regulation (EU) No 1272/2008.

It is exempt from REACH registration.

2.1.2. Main adverse effects.

2.1.2.1 Main physicochemical adverse effects:

Not applicable.

2.1.2.2 Main adverse effects on human health:

NO ADVERSE EFFECTS ON HUMAN HEALTH OR THE ENVIRONMENT ARE KNOWN FOR THE FINISHED PRODUCT.

During the machining, cutting, and polishing process of the CERATOP® porcelain stoneware sheet, dust containing respirable crystalline silica (RCS) may be released into the environment.

Substance identification: **Respirable crystalline silica fraction**

Quartz (SiO₂) (Respirable fraction)

CAS No.: 14808-60-7. EC No.: 238-878-4

H372: Causes damage to organs through prolonged or repeated exposure.

H373: May cause damage to organs through prolonged or repeated exposure.

STOT RE 1: Specific target organ toxicity following repeated exposure, Category 1.

It is recommended to use the product only for the intended uses.

2.1.2.3 Main adverse environmental effects:

Not applicable.

2.2 Label elements.

Not applicable

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3. COMPOSITION/INFORMATION ABOUT THE COMPONENTS

3.1 Substances.

It is composed of raw materials of mineral origin (mostly clays) that have been mixed with water, dried, shaped, and fired in high-temperature kilns.

3.2 Mixtures.

It consists of raw materials of mineral origin (mainly clays) that have been mixed with water, dried, shaped, and fired in high-temperature kilns.

Substance identification: **Crystalline silica**
Quartz (SiO₂)
CAS No.: 14808-60-7 EC No.: 238-878-4
Between 10% and 15% of the product concentration.

4. FIRST AID

4.1 First aid description.

In machining, cutting, and polishing processes:

Inhalation.

Move the affected person to fresh air. Administer artificial respiration if necessary. Seek medical assistance.

Eye contact.

Open the eyes and rinse thoroughly with plenty of water. Seek medical assistance..

Skin contact.

Wash with water and soap. In case of a cut, treat according to its severity. Seek medical assistance.

Ingestion.

Unlikely route. The product is non-toxic and is not retained in the intestinal tract. Seek medical assistance.

4.2 Main symptoms and acute and delayed effects.

No further relevant data available.

4.3 Indication of any immediate medical attention and special treatment needed..

No further relevant data available.

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5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media.

The product is neither flammable nor combustible. In case of a nearby fire, there are no recommended restrictions regarding the extinguishing media to be used.

5.2 Specific hazards arising from the substance or mixture.

The product is neither flammable nor combustible.

5.3 Recommendations for fire-fighting personnel.

The product is neither flammable nor combustible.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures.

Avoid generating dust during machining, cutting, and polishing processes.

6.2 Environmental precautions.

No special measures are required.

6.3 Methods and materials for containment and cleaning up.

During machining, cutting, and polishing processes, wet the spilled material and remove it mechanically. For dry machining, cutting, and polishing processes, use systems designed to capture respirable crystalline silica.

6.4 Reference to others sections.

For more information on safe handling, see Section 7.

For more information on personal protective equipment, see Section 8.

For more information on product disposal, see Section 13.

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7. HANDLING AND STORAGE

The CERATOP® porcelain stoneware slab product has two different types of packaging depending on the dimensions and thickness of the board. Boards measuring 3x1 meters with a thickness of 10.5 mm are packaged in stackable wooden crates. Boards measuring 3.24x1.62 meters with a thickness of 12/20 mm are packaged in metal racks. Smaller slabs should never be placed between larger slabs. The racks must fully support the entire surface of the boards, and straps should not be tightened excessively to avoid breaking the pieces.

7.1 Precautions for safe handling.

In any case, the movement and transportation of the boards should be done with them in a vertical position, and after drilling holes, these should be positioned at the top. CERATOP® can be handled using an overhead crane or a forklift with slings.

FORKLIFT

Use a forklift with slings; it is recommended not to transport more than one board at a time with this method, and if possible, the slings should be made of fabric.

OVERHEAD CRANE

Take care when handling the boards to avoid breakage; the movement should be done smoothly, without sudden changes in direction. Contact between the metal clamps and the pieces should be through a soft material. Always transport a maximum of one piece, and if it has protective plastic, remove it beforehand. If metal clamps are not available, use wooden planks that cover the long length of the board and secure it with clamps.

During mechning, cutting and polishing work

Avoid creating airborne dust while working with CERATOP® porcelain stoneware slabs.

Wet spilled material and remove it mechanically.

For dry machining, cutting, and polishing processes, use systems designed to capture respirable crystalline silica.

Use appropriate respiratory protection, such as a filtering mask compliant with UNE-EN149 standard, FFP3 level. Wear suitable protective clothing and use the personal protective equipment (PPE) specified in Section 8.2.2.

Do not eat, drink, or smoke while working with CERATOP® porcelain stoneware slabs. Wash your hands thoroughly after handling the product. Remove contaminated clothing or protective equipment before leaving the work area and before entering the dining area.

7.2 Conditions for safe storage, including any incompatibilities.

FORKLIFT TRANSPORT

Before transportation, the operator must ensure that the pieces are secured to the rack with appropriate straps and that the forklift has the required load capacity. In the case of racks, they should be loaded symmetrically before being transported by forklift. To transport racks from the long side, a forklift with a load capacity of 3,500 kg is required. To lift and move trays of 1000x3000 mm panels using forklifts or construction cranes, it is important to lift the trays centered on the long side short side, it is necessary to use forks with a

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minimum length of 2.5 m. It is recommended to use forklift blades of at least 1.20 m in length to properly handle the trays.

TRUCK TRANSPORT

Once positioned in the truck, ensure that the material is stable and secured. After unloading at the worksite, transport the racks with the forklift in the lowest possible position. For container loading, it is necessary to use forks of at least 2.80 m in length. The minimum capacity of the pallet jack or forklift for container loading should be 5,000 kg.

7.3 Specific end uses.

Non reported.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters.

The dust generated during machining, polishing, or cutting the product may contain airborne respirable crystalline silica particles. Comply with the specified exposure limits.

SUBSTANCE	CAS No.	VLA-ED	VLA-EC
Free SiO ₂ (respirable fraction)	14808-60-7	0,05	-

8.2 Exposure controls.

The dust generated during machining, polishing, or cutting the product may contain airborne respirable crystalline silica particles.

8.2.1. Control parameters.

The dust generated during machining, polishing, or cutting the product may contain airborne respirable crystalline silica particles.

Minimize the generation of airborne dust as much as possible. Use enclosed spaces for processing, local exhaust ventilation, or other engineering controls to keep airborne particle concentrations below specified exposure limits. Always provide an effective general extraction ventilation system and, if necessary, local ventilation to remove dust and prevent continuous exposure and inhalation by workers. Ventilation must be sufficient to maintain the workplace environment below permissible exposure limits.

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8.2.2 Individual protection measures, such as personal protective equipment (PPE).

Individual protection measures and use of personal protective equipment (PPE):

Respiratory protection:

- Filtering mask compliant with UNE-EN149 standard, FFP3 level, during machining work, cutting, and polishing of the product, and any other activity that involves dust generation.

Eye protection:

- Protective goggles.

Hand protection:

- Protective gloves compliant with UNE-EN388:2016 standard, level C..

Foots protection:

- Safety footwear compliant with UNE-EN345 standard, level SB.

8.2.3 Environmental exposure controls.

Avoid releasing the product into the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid.
Color: Varies by model.
Odor: No data available.
Odor threshold: No data available.
pH: No data available.
Melting point/range (°C): 1,200 °C
Boiling point/range (°C): Not applicable.
Flash point (°C): Not applicable.
Flammability (solid, gas): Undetermined.
Ignition temperature (°C): Not applicable.
Upper/lower flammability or explosive limits: No data available.
Water solubility (g/l) at 20 °C: Insoluble.
Additional information: No further relevant data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity:

Not applicable.

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10.2 Chemical stability:

Not applicable.

10.3 Possibility of hazardous reactions:

No hazardous reactions will occur.

10.4 Conditions to be avoided:

Dust generation.

10.5 Incompatible materials:

No further relevant data available.

10.6 Hazardous decomposition products:

No hazardous decomposition products are known..

11. TOXICOLOGICAL INFORMATION

11.1. Information on the hazard classes defined in Regulation (EC) No. 1272/2008

Not applicable.

11.2. Information related to other hazards.

Not applicable.

12. ECOLOGICAL INFORMATION

It does not pose any risk of environmental contamination..

12.1. Toxicity.

Not applicable.

12.2. Persistence and degradability.

Not applicable.

12.3. Bioaccumulation potential.

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Not applicable.

12.4. Soil mobility.

Not applicable.

12.5.PBT and vPvB assessment results.

Not applicable.

12.6. Endocrine-disrupting properties.

Not applicable.

12.7. Other adverse effects.

Not applicable.

13. DISPOSAL CONSIDERATIONS

13.1. Methods for waste treatment.

Dispose of unused materials (incineration or landfill) in accordance with national and local regulations. Ensure that the waste management companies involved are properly authorized, where applicable.

14. TRANSPORTATION INFORMATION

Not classified as hazardous for transportation purposes.

14.1. UN number or ID number.

Not applicable.

14.2. Official United Nations transport designation.

Not applicable.

14.3. Hazard class(es) for transport.

Not applicable.

14.4. Packing group.

Not applicable.

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14.5. Environmental hazards.

Not applicable.

14.6. Particular precautions for users.

Not applicable.

14.7. Bulk maritime transport in accordance with IMO instruments.

Not applicable.

15. REGULATORY INFORMATION

15.1 Regulations and legislation regarding safety, health, and environmental matters specific to the mixture.

Not applicable.

15.2 EChemical safety assessment.

A chemical safety assessment of the product has not been conducted.

16. OTHER INFORMATION

Modified sections from the previous version:

All sections have been revised due to the update of the safety data sheet to comply with the requirements of Regulation (EU) 2020/878.

The information provided here is based on our knowledge up to the date indicated above. It refers solely to the specified product and does not constitute a guarantee of specific qualities.

The user must ensure the suitability and accuracy of this information in relation to the specific use they intend to make of the product.

It is the responsibility of the recipient of our materials to verify compliance with the relevant local laws and regulations. Under no circumstances does the information contained in this Safety Data Sheet constitute a guarantee of specific properties or the establishment of any contractual relationship.

This sheet cancels and replaces all previous editions.