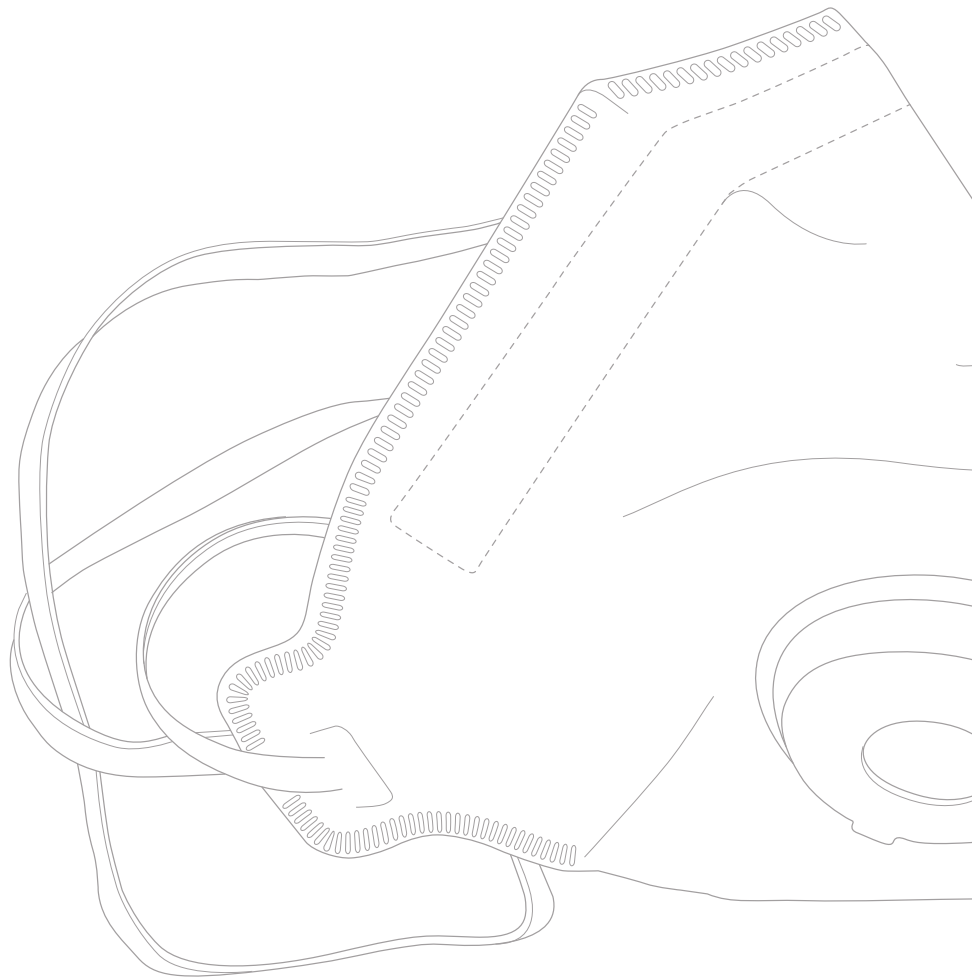


# Safety DataSheet

Prexury®



Rev 9 - 04/2020  
Print date: April 2020

**COSENTINO®**



## WARNING

This Safety Data Sheet (SDS) has been prepared specifically for professionals (stonemasons, installers, etc.) who mechanically process material in a way that could generate respirable dust. If you are going to process material in this way, please read this information carefully.

These products contain different amounts of crystalline silica. Processing them incorrectly or without adopting the appropriate safety measures can cause serious illnesses.

**ALWAYS OBTAIN ADVICE IN REGARDS HEALTH AND SAFETY FROM YOUR LOCAL ADMINISTRATION AND FROM A PROFESSIONAL INDUSTRIAL HYGIENIST, TO IMPLEMENT THE OCCUPATIONAL SAFETY MEASURES REQUIRED TO MEET THE REGULATORY REQUIREMENTS AND TO MITIGATE THE EXPOSITION TO DUST, AS THE REQUIRED SAFETY MEASURES DEPEND ON THE SPECIFIC CONDITIONS OF THE WORKPLACE.**

**THE EMPLOYERS OF WORKERS PROCESSING THE MATERIAL ARE RESPONSIBLE FOR INFORMING THEIR EMPLOYEES ABOUT THE RISKS, AND FOR ENSURING THAT THE WORKPLACE COMPLIES WITH APPLICABLE OBLIGATIONS. THEY ARE ALSO RESPONSIBLE FOR IMPLEMENTING THE REQUIRED WORKPLACE HEALTH AND SAFETY MEASURES.**

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# 1. Identification of the substance or mixture and the company or firm

## 1.1. Product identification.

**Sold as:** Prexury® by Cosentino® (includes entire product family)

**Identity of the substances that contribute to the mixture classification:** Crystalline silica (SiO<sub>2</sub>) (quartz)

## 1.2 Relevant identified uses of the substance or mixture and non-recommended uses.

**Identified uses:** Items made of natural stone, precious or semi-precious, intended for use on building interiors and exteriors, including worktops, wall panelling, flooring and other similar uses.

**Contraindicated uses:** Do not mechanically process the material using a dry method; avoid producing dust.

## 1.3 Information on manufacturer and provider of the safety data sheet

### Manufacturer:

#### COSENTINO, S.A.U.

Autovía A-334, salida 60. 04850 Cantoria (Almería) - Spain  
Tel: +34 950 41 75 / Fax: +34 950 42 26  
info@cosentino.com / www.cosentino.com

### Safety data sheet provider (if different than the manufacturer):

#### United Kingdom

Cosentino UK Ltd.  
Unit 10 Bartley Point,  
Osborn Way RG27 9GX,  
Hook, Hampshire

#### Australia

Cosentino Australia Pty Ltd.  
270 Beech Road,  
Casula Nsw 2170

#### Ireland

Cosentino Ireland Ltd.  
Unit 39, Fonthill Industrial Park,  
Fonthill Road - Dublin 22

#### New Zealand

Cosentino New Zealand Ltd  
Level 27, Lumley Centre, 88  
Shortland Street  
Auckland Central, Auckland, 1010

#### United States of America/Canada

CGC North America, Inc.  
355 Alhambra Circle, Ste. 1000  
Coral Gables, FL 33134

#### South Africa PTY

Cosentino South Africa Pty Ltd  
3 Sandown Valley Crescent,  
Sandown, Sandton, Gauteng, 2196

#### Malaysia

Cosentino Malaysia Sdn. Bhd.  
Unit 5,05, Level 5,  
Menara MBMR, No. 1  
Jalan Syed Putra,  
58000 Kuala Lumpur

## 1.4 Emergency response phone number

ChemTel Inc. (24/7/365, multilingual):

Worldwide: +1-813-248-0585  
United States: 1-800-255-3924 (toll free)  
Australia: 1-300-954-583  
China: 400-120-0751  
India: 000-800-100-4086  
Mexico: 01-800-099-0731  
Brazil: 0-800-591-6042

# 2. Hazards identification

## 2.1 Substance or mixture classification

Total crystalline silica content (SiO<sub>2</sub>) of product:  
>90% (except for Labradorite, see Section 3)

## Regulation (EC) n°1272/2008 (CLP) / GHS ver. 7:

|           |   |
|-----------|---|
| STOT RE 1 | Specific target organ toxicity<br>- repeated exposure. Category 1                       |
| H372      | Causes damage to organs (lung) through prolonged or repeated exposure (via inhalation). |
| H350i     | May cause cancer by inhalation.   |
| STOT SE 3 | Specific target organ toxicity<br>- single exposure. Category 3.                        |
| H335      | May Cause respiratory irritation  |

CLP Regulation (EC) n.º 1272/2008 does not provide for any hazards associated with the finished Prexury® by Cosentino® material. However, given that it contains crystalline silica (SiO<sub>2</sub>) as quartz, dust particles may be generated during the mechanical processing or preparation of Prexury® by Cosentino® (cutting, shaping, perforation, engraving, etc.).

These particles, which include respirable crystalline silica, may remain suspended in the air. Large-scale inhalation of this portion of mineral dust and crystalline silica can cause serious illnesses, including pneumoconiosis, pulmonary fibrosis (silicosis), lung cancer, chronic obstructive pulmonary disease (COPD) and kidney disease.

## 2.2 Label information

Regulation (EC) n°1272/2008 (CLP) / GHS ver. 7:

### Hazard symbols:



Signal Word:

**DANGER**

**Hazard statements:**

**H372:** Causes damage to organs (lung) through prolonged or repeated exposure (via inhalation).

**H350i:** May cause cancer by inhalation.

**H335:** May cause respiratory irritation

**Precautionary statements:**

**P201:** Obtain special instructions before use.

**P202:** Do not handle until all safety precautions have been read and understood.

**P260:** Do not breathe dust.

**P264:** Wash hands and face thoroughly after handling.

**P270:** Do not eat, drink or smoke when using this product.

**P284:** Wear respiratory protection for particle filtering (P3)

See sections 7 and 13 for information on proper storage and disposal, and section 8 for information on exposure control.

**2.3 Other hazards**

Results of the PBT and vPvB evaluations: This mixture does not meet PBT standards according to Regulation (EC) no. 1907/2006, Annex XIII. (Section 12) This mixture does not meet vPvB standards according to Regulation (EC) no. 1907/2006, Annex XIII.

## 3. Composition/component information

**3.1 Substances:** Not applicable

**3.2 Mixtures**

**Composition (%):** Prexury® by Cosentino® includes natural stones such as petrified wood, amethyst, jasper, quartz, carnelian, labradorite, gold tiger eye, hematite and agate, held together by a polymerized epoxy resin (< 5%).

**The compositions varies according to the natural stones and their origins. The mineral composition of the natural stones sold as Prexury® by Cosentino® is as follows:**

| PRODUCT                                       | TYPE OF STONE                        | STONE COMPOSITION  |
|---|--------------------------------------|--|
| Petrified Wood<br>Retro Petrified Wood        | Petrified wood                       | Fossilised rock made through the petrification of wood, where the organic matter has been replaced by silica (quartz) and other minerals |
| Amethyst                                      | Amethyst                             | Type of violet quartz made up primarily of quartz, with iron oxide as impurities.  |
| Angel Jasper<br>Red Jasper                    | Jasper                               | Aggregate rock made of microgranular quartz and chalcedony, along with other accessory minerals.   |
| Classic Quartz<br>Smoky Quartz<br>Rose Quartz | Quartz                               | Very pure rock made up primarily of silica (quartz).   |
| Carnelian                                     | Carnelian                            | Type of chalcedony coloured by iron oxide impurities.  |
| Labradorite                                   | Labradorite                          | Sodium-calcium aluminosilicate, mostly anorthite and albite.   |
| Retro Tiger Iron                              | Gold tiger eye<br>Jasper<br>Hematite | Combination of gold tiger eye (a rock made primarily of quartz), red jasper and hematite.  |

**Substances in the mixture that constitute a health or environmental hazard under Regulation (EC) No. 1272/2008, are classified as PBT/vPvB or are included on the Candidate List:**

| INDICATORS            | IUPAC NAME  | PRODUCT  | CONCENTRATION* | CLASSIFICATION - REGULATION (EC) NO. 1272/2008        |
|-----------------------|---|--|----------------|---|
| CAS No:<br>14808-60-7 | Crystalline silica (SiO <sub>2</sub> ):<br>Quartz | Petrified Wood<br>Retro Petrified Wood<br>Amethyst<br>Angel Jasper                           | > 90 %         | STOT RE 1, H372<br>STOT SE 3, H335<br>Carc. 1A, H350i |
| CE No:<br>238-878-4   |   | Red Jasper<br>Classic Quartz<br>Smoky Quartz<br>Rose Quartz<br>Carnelian<br>Retro Tiger Iron |                |   |
|                       |   | Labradorite  | -              | Not classified  |

\* Typical concentration found in this type of natural stone

Mixture components subject to occupational exposure limits: Section 8  
The full text of the said hazard information is given in section 16.

## 4. First aid

**4.1 First aid description**

For the finished material, no special measures are required, but there are some requirements for processing and preparation, as indicated below:

**General recommendations**

Have the label or safety data sheet to hand when you call the emergency number or consult a doctor. Move the affected person away from the source of the exposure. Give them fresh air and rest. Do not give the victim anything to drink if they are unconscious. The symptoms of poisoning may appear after exposure, meaning that if there is any concern or if an illness persists, call a doctor and show them the SDS for this product.

**Inhalation**

Do not inhale dust produced by material processing. If poisoning symptoms appear, move the affected person out of the exposure area and get them some fresh air. Use assisted respiration if the victim is having a serious reaction. Call for medical attention if the symptoms worsen or persist.

**Contact with skin**

Wash thoroughly with soap and water.

**Contact with eyes**

Rinse eyes with plenty of room-temperature water for at least 15 minutes. Prevent the affected person from rubbing or closing their eyes. If the victim wears contact lenses, these should be removed unless stuck to the eyes, as failure to do so may cause additional injury. Call for medical attention if the symptoms worsen or persist.

## 4.2 Main symptoms; acute and delayed effects

### Inhalation

During the mechanical processing of this product, particularly if the processing recommendations of using water and suitable air filtering and venting systems are not followed, a fraction of fine particles of mineral dust and crystalline silica may be suspended in the air. Prolonged contact and/or large-scale inhalation of this respirable dust can cause pneumoconiosis, pulmonary fibrosis (commonly known as silicosis), lung cancer, chronic obstructive pulmonary disease and kidney disease. The main symptoms of silicosis are a cough and difficulty breathing (see section 11).

### 4.3 Medical attention and special treatments that should be provided immediately

If uncertain or if symptoms persist, seek medical attention.

## 5. Fire suppression measures

### 5.1 Extinguishers

Fire resistance: Category: B, s1, d0 / Bfl, s1

Suitable fire-fighting tools: Any suitable tool for fighting the type of fire at hand. Polyvalent powder extinguishers are recommended.

### 5.2 Hazards specific to the substance or mixture

Not flammable. No dangerous thermal decomposition.

### 5.3 Recommendations for fire-fighters

If a fire is declared: depending on the size of the fire, it may be necessary to wear complete protective gear and self-contained breathing apparatus. At least minimal emergency facilities and tools must be available (fire blankets, portable first-aid kit, etc.) in accordance with R.D.486/1997 and later regulations.

**Personal protective equipment:** Depending on the fire at hand.

## 6. Measures to take in case of accidental spillage

### 6.1 Personal precautions, protective equipment and emergency procedures

Not applicable. The finished material poses no spillage risks.

### 6.2 Environmental precautions

Not applicable. The finished material poses no spillage risks.

### 6.3 Cleaning containment methods and equipment

Not applicable. The finished material poses no spillage risks.

### 6.4 Reference to other sections

Personal protective equipment: Section 8

Waste treatment: Section 13

## 7. Handling and storage

### Manual handling

Handling Prexury® by Cosentino® requires no special measures. The user should take responsibility for carrying out a risk evaluation in accordance with workplace risk prevention regulations.

It is advisable to take the precautions listed below:

- Safe handling systems (crane, racks with safety bars, etc.) should be used. Slings should be durable and well protected, as this material has greater cutting capabilities than natural stone;
- Personal Protective Equipment should be used. Wear a helmet, safety shoes, safety glasses and gloves while handling and storing Prexury® by Cosentino®.

### Processing and installation

The employers of professionals who process the material should equip the workplace with the relevant occupational health and safety measures for limiting worker exposure to respirable crystalline silica and ensuring that the workplace complies with applicable local regulations on this subject.

**It is very important that mechanical processing of the material during processing and installation be carried out using tools with integrated water delivery system, or with on-tool dust extraction system. Uncontrolled dry mechanical processing must be avoided, as the dust produced may contain respirable crystalline silica (SiO<sub>2</sub>).**

Dust exposure should be monitored and controlled using appropriate control measures, such as:

- Machines and tools with water supply systems or the "wet method", with an appropriate water treatment system.
- Natural and/or forced-air ventilation systems that ensure air renewal in work areas.
- Cleaning and maintenance. Use of vacuum and/or water cleaning systems; sweeping and using compressed air is to be avoided, as are other methods that may cause dust to be airborne. Put preventive maintenance programmes in place at facilities to ensure suitable tidiness, cleanliness and operational conditions for work equipment.

For working with the material, it is advisable to consult the "Good Practices Guide", available via the manufacturer's website [osh.cosentino.com](http://osh.cosentino.com) or upon request from the supplier of this SDS.

However, in no case are these measures and guide exhaustive or substitutive of the legal obligations in regards of health and safety under the applicable local regulations.

### 7.2 Safe storage conditions, including possible incompatibilities

No specific conditions are needed for safe storage, save storage in an appropriately enclosed and covered area.

Avoid hard impacts that could break the material.

The product is not covered by Directive 2012/18/EU (SEVESO III).

### 7.3 Specific end uses

There are no specific recommendations for end uses.

## 8. Exposure control/ individual protection

### 8.1 Control parameters: Occupational exposure limits

European Directive 2004/37/EC was modified by European Directive 2017/2398 dated 27/12/2017 to include a limit value for occupational exposure to the respirable fraction of crystalline silica of 0.1 mg/m<sup>3</sup> (at 20°C and 101.3 kPa).

#### RESPIRABLE DUST FRACTION IN EUROPEAN UNION BEFORE TRANSPOSITION OF DIRECTIVE 2004/37/EC:

| SUBSTANCE  | INDICATORS                             | COUNTRY/AUTHORITY  | OCCUPATIONAL EXPOSURE LIMITS<br>8H TWA |
|--|--|--|--|
| Crystalline silica:<br>Quartz<br>Respirable fraction | CAS No: 14808-60-7<br>CE No: 238-878-4 | Germany  | 0.05 <sup>2</sup> mg/m <sup>3</sup>    |
|  |  | Austria <sup>4</sup> , Hungary, Luxembourg, Switzerland  | 0.15 mg/m <sup>3</sup>                 |
|  |  | Belgium <sup>4</sup> , Denmark, Slovakia, France <sup>4</sup> , Greece, Lithuania, Norway <sup>4</sup> , UK, Romania, Czech Republic, Sweden, Slovenia, Ireland, Lithuania, Poland | 0.1 mg/m <sup>3</sup>                  |
|  |  | Bulgaria   | 0.07 mg/m <sup>3</sup>                 |
|  |  | Cyprus <sup>4</sup>  | 10 mg/m <sup>3</sup> K/Q <sup>1</sup>  |
|  |  | Spain <sup>4</sup> , Estonia, Finland, Italy <sup>6</sup>  | 0.05 mg/m <sup>3</sup>                 |
|  |  | Portugal   | 0,025 mg/m <sup>3</sup>                |
|  |  | Latvia <sup>4</sup>  | -                                      |
|  |  | Malta  | - <sup>3</sup>                         |
|  |  | Netherlands  | 0.075 mg/m <sup>3</sup>                |
| Inert dust<br>Not Specified<br>Respirable fraction   |  | Austria, Denmark, France, Greece, Netherlands, Norway, Portugal, Sweden  | 5 mg/m <sup>3</sup>                    |
|  |  | Belgium, Italy, Spain  | 3 mg/m <sup>3</sup>                    |
|  |  | Bulgaria, Ireland, UK  | 4 mg/m <sup>3</sup>                    |
|  |  | Cyprus, Czech Republic, Estonia, Finland, Hungary, Latvia, Malta <sup>3</sup> , Slovakia, Slovenia   | -                                      |
|  |  | Germany  | 0.5 <sup>5</sup> mg/m <sup>3</sup>     |
|  |  | Lithuania, Romania   | 10 mg/m <sup>3</sup>                   |
|  |  | Luxemburg, Switzerland   | 6 mg/m <sup>3</sup>                    |
|  |  | Poland   | 0.3 mg/m <sup>3</sup>                  |

Source: IMA-Europe. Date: September 2019. / <sup>1</sup> Q: quartz percentage - K = 1 / <sup>2</sup> Assessment criterium. Reference value. / <sup>3</sup> When needed, Maltese authorities refer to values from the UK for OELVs which do not exist in the Maltese legislation. / <sup>4</sup> Values under revision as of January 2020. / <sup>5</sup> Defined for a density of 1 g/cm<sup>3</sup>, i.e. for minerals with a common density of 2,5 g/cm<sup>3</sup>, a calculated OEL of 1,25 mg/m<sup>3</sup> applies. / <sup>6</sup> Inspection authorities use the ACGIH recommended limit value of 0.025 mg/m<sup>3</sup>

## Respirable dust fraction in the United States:

| SUBSTANCE                    | QUARTZ<br>(RESPIRABLE)   | IRON OXIDE                                 | INERT DUST<br>(RESPIRABLE) |
|------------------------------|--|--|----------------------------|
| CAS No                       | 14808-60-7   | 1309-37-1                                  | -                          |
| OSHA – PEL<br>(8 hour TWA)   | 0.05 mg/m <sup>3</sup>   | 5 mg/m <sup>3</sup><br>(smoke)             | 5 mg/m <sup>3</sup>        |
| NIOSH – REL<br>(10 hour TWA) | 0.05 mg/m <sup>3</sup>   | 5 mg/m <sup>3</sup><br>(dust and<br>smoke) | -                          |
| ACGIH – TLV<br>(8 hour TWA)  | 0.025 mg/m <sup>3</sup>  | 5 mg/m <sup>3</sup><br>(respirable)        | -                          |
| Adopted by /<br>law name     | See section 16   |  |                            |
| OEL name<br>(if specific)    | Permissible exposure limit (PEL) / Recommended<br>exposure limit (REL) / Threshold Limit Value (TLV) |  |                            |

Source: OSHA's Permissible Exposure Limits –  
Annotated Tables <https://www.osha.gov/dsg/annotated-pels>.

## Respirable dust fraction in Australia and New Zealand:

| SUBSTANCE   | Crystalline silica:<br>Quartz                          | Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )       |
|---|--|--|
| CAS NO  | 14808-60-7   | 1309-37-1  |
| AUSTRALIA<br>OEL                                    | Respirable dust 0.05 mg/m <sup>3</sup><br>(8 hour TWA) | 5 mg/m <sup>3</sup> (smoke)<br>(8 hour TWA, as Fe) |
| NEW ZEALAND<br>(WORKPLACE<br>EXPOSURE<br>STANDARDS) | Respirable dust 0.05 mg/m <sup>3</sup><br>(8 hour TWA) | 5 mg/m <sup>3</sup> (smoke)<br>(8 hour TWA, as Fe) |

Source: Workplace Exposure Standards for Airborne Contaminants (update 16/12/2019)  
- Safe Work Australia: [www.safeworkaustralia.gov.au](http://www.safeworkaustralia.gov.au); New Zealand Workplace exposure  
standards and biological exposure indices: [https://worksafe.govt.nz/topic-and-industry/  
work-related-health/monitoring/exposure-standards-and-biological-exposure-indices/](https://worksafe.govt.nz/topic-and-industry/work-related-health/monitoring/exposure-standards-and-biological-exposure-indices/)

## Respirable dust fraction in Brazil:

O limite de tolerância para poeira respirável, expresso em mg/m<sup>3</sup>, é dado pela seguinte fórmula:

$$L.T.R. = \frac{8}{\% \text{ quartzo} + 2} \text{ mg/m}^3$$

O limite de tolerância para poeira total (respirável e não – respirável), expresso em mg/m<sup>3</sup>, é dado pela seguinte fórmula:

$$L.T.T. = \frac{24}{\% \text{ quartzo} + 3} \text{ mg/m}^3$$

Siempre será entendido que "Quartzo" significa sílica livre cristalizada.  
Fonte: NR15 – Atividades e Operações Insalubres Anexo n.º 12  
Portaria 3214/78 - Limites de Tolerância para Poeiras Minerais.

To obtain up-to-date specific limits or limits for countries not listed here, please consult a competent health and safety professional or the local regulatory authority of the country in question. The occupational exposure levels herein are provided for information purposes only. They are not binding and do not need to be fully accurate.

## 8.1.2 Additional exposure limits under usage conditions

DNEL; Human exposure: No information available

PNEC values. Environmental exposure: No information available.

## 8.2 Exposure control

## General measures:

Consult a competent health and safety professional to monitor exposure to mineral dust and dust containing crystalline silica. Reduce the generation of airborne dust as much as possible. Use closed areas for processing, local exhaust venting or other technical controls to keep the particle concentration in the air below the exposure limits specified by applicable regulations. If user operations create dust, smoke or vapour, use a ventilation system to ensure that exposure to airborne particles is below the exposure limit. Take organisational measures, such as separating dust-generating areas from areas frequented by staff. Work clothes should be removed and washed separately.

## Personal protective equipment:



**1. Respiratory protection:** Suitable respiratory protective equipment with a particle filter as per regulation EN 143:2001 and its revisions EN 143/AC 2002, EN 143/AC 2005 (type P3), or N95, R95, P95 or superior according to Occupational Safety and Health Standard OSHA 29 CFR 1910.134, approved by NIOSH, P1, P2 protection or higher according to Australian AS/NZS 1716, or equivalent protection that complies with relevant applicable local law. Use appropriate respiratory protection even when working with water as a dust reduction measure when processing Prexury® by Cosentino®.



**2. Hand protection:** Use of mechanical protection gloves is recommended to prevent being cut by pieces during handling.



**3. Eye protection:** The use of eye protection is recommended in accordance with EN166:2001, Occupational Safety and Health Standard OSHA 29 CFR 1910.133, or equivalent protection that complies with applicable relevant local regulation.



**4. Skin protection:** Skin protection is not needed, but the use of work clothing that prevents dust from coming into contact with skin is recommended. Wash hands and face with soap and water to remove dust from processing before work breaks and at the end of shifts.

**Work clothing:** When processing Prexury® by Cosentino®, wear work clothing made of a fabric that does not trap dust. Do not clean using compressed air; use vacuum cleaning methods. Wear rubber boots if work is to be performed in wet areas during water processing.



## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

The information in this section pertains to the product unless specifically listed as giving information about a substance:

#### Physical aspect:

Physical state at 20°C: Solid

Pattern: Solid by line

Colour: By line

Odour: Odourless

Olfactory threshold: N/A\*

#### Product characteristics:

Bulk density (EN-1936): 2600-3050 kg/m<sup>3</sup>

Dynamic viscosity: N/A\*

pH: N/A\*

Vapour density at 20°C: N/A\*

N-octanol/water partition coefficient at 20°C: N/A\*

Water solubility at 20°C: N/A\*

Decomposition temperature: N/A\*

Melting point/freezing point: N/A\*

Explosive properties: Not explosive

Oxidising properties: Does not oxidise

#### Volatility:

Boiling point at atmospheric pressure: N/A\*

Vapour pressure at 20°C: N/A\*

Evaporation rate at 20°C: N/A\*

#### Inflammability:

Flash point: Not flammable

Inflammability (solid, gas): N/A\*

Spontaneous combustion point: N/A\*

Lower combustion limit: N/A\*

Upper combustion limit: N/A\*

\*N/A: Not applicable due to the nature of the product; provides no information about its hazardousness.

## 10. Stability and reactivity

**Reactivity:** Not reactive under normal storage and usage conditions.

**Chemical stability:** Stable under normal storage and usage conditions.

**Potential for dangerous reactions:** No dangerous reactions are expected.

**Conditions to be avoided:** Do not store outside or use for outdoor applications as UV radiation may affect the material. Avoid hard impacts that could cause breakage. Avoid subjecting the material to high temperatures, as this may cause it to deteriorate.

**Incompatible materials:** No information available.

**Hazardous decomposition products:** None known.

## 11. Toxicity information

### Information on toxic effects

**a) Acute toxicity:** Does not meet classification criteria

### ACUTE TOXICITY ESTIMATE (ATE) OF THE MIXTURE

|                |                          |
|----------------|--------------------------|
| Oral ATE       | >2000 mg/kg              |
| Dermal ATE     | >2000 mg/kg              |
| Inhalation ATE | No information available |

### CRYSTALLINE SILICA (SiO<sub>2</sub>): QUARTZ, CRISTOBALITE

|                             |  |
|-----------------------------|--|
| Oral LD <sub>50</sub>       | >2000mg/kg weight (rat)  |
| Dermal LD <sub>50</sub>     | >2000 mg/kg weight (rabbit)  |
| Inhalation LC <sub>50</sub> | No specific data are available on acute toxicity that would permit a 100% categorical decision on the classification for acute toxicity by inhalation for any kind of crystalline silica. No acute toxicity by inhalation is expected based on extrapolations of OECD-compliant studies carried out with a substance containing 45% cristobalite with no sign of lethality. As a result, animal welfare concerns make further experiments unjustifiable. |

#### b) Dermal corrosion or irritation:

According to current information, the classification criteria are not met.

#### c) Serious eye injury or eye irritation:

According to current information, the classification criteria are not met.

#### d) Respiratory or dermal sensitivity:

According to current information, the classification criteria are not met.

#### e) Specific Target Organ Toxicity (STOT) - repeated exposure:

This product is classified as STOT RE 1 according to the criteria set out in Regulation (EC) 1272/2008 for stones whose quartz content is at or above 10% (Petrified Wood, Retro Petrified Wood, Amethyst, Angel Jasper, Red Jasper, Classic Quartz, Smoky Quartz, Rose Quartz, Carnelian, Retro Tiger Iron).

The prolonged and/or large-scale inhalation of the respirable fraction of mineral dust and crystalline silica (< 10µm) can cause pneumoconiosis and **pulmonary fibrosis** such as silicosis, as well as worsening other respiratory conditions (bronchitis, emphysema, etc.). The main symptom of silicosis is a loss of lung capacity.

Prolonged or large-scale exposure to dust containing respirable crystalline silica may increase the risk of other illnesses such as chronic obstructive pulmonary disease (COPD) and kidney disease.

#### f) Specific Target Organ Toxicity (STOT) - single exposure:

This product is classified as STOT SE 3 according to the criteria set out in Regulation (EC) 1272/2008.

The dust generated by the mechanical processing of this material can cause respiratory irritation if appropriate protective measures are not taken.

#### g) Carcinogenicity:

- Quartz (SiO<sub>2</sub>): Prolonged or large-scale exposure to dust containing respirable crystalline silica may cause lung cancer.

| MATERIAL CLASSIFICATION | CRYSTALLINE SILICA (QUARTZ)                |
|-------------------------|--|
| CLP                     | Carcinogenic. Category 1A.                 |
| IARC                    | Group 1. Carcinogenic to humans            |
| NTP                     | Known to be carcinogenic                   |
| OSHA                    | Yes. Regulated as carcinogenic             |
| ACGIH                   | A2. Suspected to be carcinogenic to humans |
| WES                     | 6.7A Confirmed carcinogenic; (r)           |
| HCIS                    | Carcinogenic Category 1A                   |

**h) Mutagenicity in germ cells:** According to current information, the classification criteria are not met.

**i) Reproductive toxicity:** According to current information, the classification criteria are not met.

**j) Danger if inhaled:** According to current information, the classification criteria are not met.

## 12. Environmental information

**Toxicity:** Prexury® by Cosentino® is not toxic to the environment. It is specifically recommended that water-cooled tools be used for mechanical processing, along with suitable air filtration and venting systems, to prevent the creation of dusty areas.

**Persistence and degradability:** Not applicable.

**Bioaccumulation potential:** Not applicable.

**Soil mobility:** Not applicable.

**Results of the PBT and vPvB evaluation:** This mixture is not considered to be persistent, bioaccumulable or toxic (PBT). This mixture is not considered to be very persistent or very bioaccumulable (vPvB).

**Other adverse effects:** None known.

## 13. Disposal considerations

### Waste treatment methods

In accordance with European Directives 91/156/EEC and 2018/850, as well as Spanish Law 22/2011 of June 28<sup>th</sup> and its pursuant R.D. 1481/2001 of 27 December, defective and waste products, along with small pieces, may be disposed of in landfills for inert materials. The sludge produced by the wet processing of the material should be disposed of in landfills for non-hazardous waste. Small pieces are classified as 01 04 13 in the European List of Waste (LoW), and sludge is classified as 01 04 99. In any case, please get information and follow your local applicable regulation for the management of waste. Prexury® by Cosentino® packaging must be disposed of following local applicable standards. In general, they will be placed in paper or plastic bins if they are recyclable.

## 14. Transportation information

**ADR-RID, IMDG, IATA:** Not regulated

**UN number:** Not regulated

**Official UN transport designation:** Not regulated.

**Danger classifications for transport:** Not regulated.

**Packaging group:** Not regulated.

**Environmental dangers:** Ocean contamination: No

**Specific user precautions:** Not regulated.

**Bulk transport under annex II of the MARPOL 73/78**

**Agreement and IBC Code:** Not applicable.

## 15. Regulatory information

15.1 Specific health, safety and environmental regulations or legislation pertaining to the substance or mixture

### International legislation:

- Globally Harmonized System of Classification and Labelling of Chemicals (GHS) (Latest 2017 edition) - UN

### Applicable European legislation:

- Regulation (EC) 1907/2006 (REACH) OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, updated according to Regulation (EU) 2015/830 of 28 May 2015, which modifies Regulation (EC) n° 1906/2006.
- European Directive 2004/37/EC, modified by European Directive 2017/2398 dated 27/12/2017
- Regulation (EC) No. 1907/2006 REACH, Annex XIV List of substances subject to authorisation, with its later modifications: Not present, or not present in regulated quantities.
- Regulation (EC) No. 1907/2006, Annex XVII, Substances subject to restrictions on manufacture, placing on the market and use: Not present, or not present in regulated quantities.
- Regulation (EC) No 1272/2008 (CLP) OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures.
- REGULATION (EU) 2016/918 OF THE COMMISSION of 19 May 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

### Specific legislation in the United States:

- Hazard Communication, 29 CFR 1910.1200 [HCS 1994]. <https://www.osha.gov/lawsregs/regulations/standardnumber/1910/1910.1200>
- OSHA's Respirable Crystalline Silica Standard: The material manufacturer strongly urges that business owners that operate in the U.S. comply with the requirements established in the Respirable Crystalline Silica Standards for Construction (accessible at <https://www.osha.gov/dsg/topics/silicacrystalline>).
- Californian Safe Drinking Water and Toxic Enforcement Act of 1986 – Proposition 65:



**WARNING:** This product can expose you to chemicals including crystalline silica (airborne particles of respirable size), which is known to the State of California to cause cancer. For more information go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

### Specific legislation in Australia and New Zealand:

- Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals: <http://hcis.safeworkaustralia.gov.au/>
- Australia Work Health and Safety Regulations 2016 - Hazardous chemicals (other than lead) requiring health monitoring
- New Zealand Workplace Exposure Standards (WES): <https://worksafe.govt.nz>
- New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals

### 15.2 Chemical safety evaluation

The supplier has not carried out a chemical safety evaluation.

## 16. Other information

### 16.1 Legislation applicable to safety data sheets

This safety data sheet has been prepared in accordance with ANNEX II- Guide to the compilation of safety data sheets in Regulation (EC) 1907/2006 (REACH), updated in accordance with Regulation (EU) n° 2015/830 of 28 May 2015, and in line with GHS ver. 7 (2017).

### 16.2 Legislative texts and phrases included in section 3 Regulation no 1272/2008 (CLP):

**STOT RE 1:** Specific Target Organ Toxicity (repeated exposure). Category 1.

**STOT SE 3:** Specific Target Organ Toxicity (single exposure). Category 3

**Carc. 1A:** Carcinogenic. Category 1A.

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

**H350i:** May cause cancer by inhalation.

**H335:** May cause respiratory irritation.

### 16.3 Abbreviations and acronyms

ACGIH: Association Advancing Occupational and Environmental Health.

ADR: European agreement concerning the international transport of dangerous goods by road.

CAS: Chemical Abstracts Service (Division of the American Chemical Society).

LC50: Lethal concentration, 50 per cent.

CLP: European Regulation of the Classification, Labelling and Packaging of Chemical Substances and Mixtures.

LD50: Lethal dose, 50 per cent.

DNEL: Derived no-effect level (REACH).

GHS: Global harmonized system of classification and labelling of chemical products (UN)

HCIS: Australia Hazardous Chemical Information System.

HCS: The Hazard Communication Standard.

HMIS: Hazardous Materials Identification System.

IARC: International Agency for Research on Cancer.

IATA: International Air Transport Association.

vPvB: Very persistent, very bioaccumulable substances.

NFPA: National Fire Protection Association.

NTP: Technical Notes on Prevention.

OEL: Occupational exposure limit.

UN: United Nations.

OSHA: Occupational Safety and Health Administration.

PBT: Persistent, bioaccumulable and toxic substances.

PNEC: Predicted no-effect concentration (REACH).

REACH: Regulation concerning the registration, evaluation, authorisation and restriction of chemicals.

RID: Regulations concerning the international transport of dangerous goods by rail.

WES: New Zealand Workplace Exposure Standards.

### 16.4 Main sources

- <http://esis.jrc.ec.europa.eu>
- <http://echa.europa.eu> - <http://europhrac.eu>
- <http://echemportal.org> - <http://toxnet.nlm>
- <http://inchem.org> - <http://epa.gov>
- <https://www.osha.gov> - <http://insh.es>
- National Institute for Occupational Safety and Health (NIOSH)
- IARC publications. Overall carcinogenicity evaluation
- Access to European law, <http://eur-lex.europa.eu/>
- European agreement concerning the international transport of dangerous goods by road

### 16.5 Information evaluation methods

Article 9 Regulation no. 1272/2008 (CLP): The classification of the mixture is generally based on calculation methods using substance data in accordance with the requirements of Regulation (EC) No. 1272/2008. If data is available for some mixture or the weighting of the tests can be used for their classification, this will be indicated in the pertinent section of the Safety Data Sheet. See section 9 for physico-chemical properties, section 11, for toxicological information and section 12 for environmental information.

### 16.6 Risk rating system in accordance with NFPA and HMIS

Health: 1

Inflammability: 0

Reactivity: 0

### 16.7 Other pertinent information

Consult Cosentino, S.A.U. ([info@cosentino.com](mailto:info@cosentino.com)) if you have any questions, or before using or supplying this material for other applications not discussed here.

The information contained in this document is, to our knowledge, up-to-date and precise. However, we cannot vouch for the recommendations or suggestions given here, as the usage conditions of the materials are out of our control. In addition, the contents of this Safety Data Sheet should not be interpreted as a recommendation for using any product that violates the law, safety practices or current patents regulating any material or its use.

The recipient of the material is responsible for verifying their own compliance with the relevant rules and regulations. Under no circumstances should the information in this Safety Data Sheet be taken to guarantee specific properties or generate a contractual relationship.

This Safety Data Sheet (SDS) is in accordance with CLP Regulation (CE) No 1272/2008, and the Globally Harmonized System of Classification and Labelling of Chemical Products (GHS).

For more information, consult the manufacturer and follow the instructions in the Good Practices Guide for the processing of material available on the manufacturer's website [www.cosentino.com](http://www.cosentino.com) or [osh.cosentino.com](http://osh.cosentino.com)

You can find more information about the risks posed by respirable crystalline silica at:

- Good practice guide for the Agreement on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products containing it, published by the European Network on Silica NEPSi (<http://www.nepsi.eu/>).
- Website on Crystalline Silica and Health created by the Industrial Mineral Association of Europe (IMA-Europe): <https://www.crystallinesilica.eu/>
- Technical Prevention Sheet 890 of the Spanish National Institute of Occupational Health and Safety: <http://www.insht.es/InshtWeb/Contenidos/Documentacion/FichasTécnicas/NTP/Ficheros/821a921/890w.pdf>
- OSHA Standard for Respirable Crystalline Silica: [www.osha.gov/dsg/topics/silicacrystalline/index.html](http://www.osha.gov/dsg/topics/silicacrystalline/index.html)
- Californian Safe Drinking Water and Toxic Enforcement Act of 1986 – Proposition 65: <https://oehha.ca.gov/chemicals/silica-crystalline-respirable>
- Australian SafeWork NSW – Crystalline Silica Fact Sheet <http://www.safework.nsw.gov.au/media/publications/health-and-safety/hazardous-chemicals/crystalline-silica-technical-fact-sheet>

**COSENTINO®**

**COSENTINO HEADQUARTERS**

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