



**OKITE®**

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**OKITE®**

MSDS- Safety Data Sheet

## MSDS - Safety data sheet

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OKITE® over time it has become synonymous with quartz resin wall tiles. The OKITE slab, due to its physical-mechanical characteristics it is configured as inert and as such, in relation to the use for which it is intended, it does not cause risks either for human health or for the environment. During the processing phase it is necessary to adopt some precautions that concern, exclusively, the operators of the sector and not the final user of the product.

The qualification of inert and, therefore, of a harmless product by definition for human health, was ascertained through a series of technical/scientific experiments carried out and available on site.

As such, OKITE® it is not among the materials for which it is necessary to prepare Safety Data Sheets pursuant to Reg. CE 1907/06 and subsequent amendments and pursuant to Reg. CE 1282/08 and subsequent amendments, which implemented the international agreement CLP-GHS on substances and mixtures dangerous.

Therefore, this technical data sheet only intends to highlight the dangerous characteristics that are and remain relative only to some processing phases of the sheet during which the release of free crystalline silica dust in the fraction is potentially possible. breathable particle size, and therefore are not applicable to the finished product marketed to the consumer

### 1. Product and Company Identification

<b>Product name</b>	OKITE®.	
<b>Use of the product</b>	Furnishing accessories substituting natural mineral stones, mainly intended for the construction of kitchen and bathroom countertops and other uses.	
<b>Manufacturer identification</b>	<b>SEIEFFE s.r.l.</b> SS Appia Loc. Campizze 82013 BONEA (BN) Italia E-mail: okite@okite.com	
<b>Emergency numbers</b>	Tel. +39 0824.847911	Fax +39 0824.847999

### 02. HAZARDS IDENTIFICATION

The CLP Regulation (EC) no. 1272/2008 does not contemplate risks associated with the finished product called OKITE. Pursuant to EC Reg. 1907/06 (REACH), the classification of a product is related to the conditions in which it is marketed, and in the form of a sheet, OKITE® is not dangerous.

However, it is considered consistent with the manufacturer's environmental and safety company policies to report that during the dry processing of the material it may be necessary to consider that without the use of water, similarly to when it occurs for some natural porphyry, it can be released by mechanical abrasion. high speed respirable crystalline silica (SiO<sub>2</sub>) dust. Prolonged and repeated inhalation of respirable dust of free crystalline silica can cause lung damage which can lead to silicosis.

### 03 COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Composition (with min. And max indication of the single components)

The material is composed of inorganic mineral fillers (88 - 92%) such as (by way of example) silica sand, quartz, cristobalite, glass and other materials, polyester resin (8 - 12%), pigments and additives (<2% ).

#### 3.2 Information on ingredients

- **CRYSTALLINE SILICA - QUARTZ: CAS 14808 - 60 - 7 / EINECS 238-878-4**
- **CRYSTALLINE SILICA - CHRYSOBALITE: CAS 14464 - 46 - 1 / EINECS: 238-455-4**

The finished product is certified by the Greenguard Environment Institute as a product that complies with indoor air quality standards regarding volatile organic compounds (certification no. 4889-410 for Indoor Air Quality & 4889-420 for Children & Schools). The product also has NSF certification confirming its commitment to health and the environment.

### 04 FIRST AID MEASURES

#### Contact with the skin of silica powders

Prolonged contact can cause dry skin.

Wash with plenty of water and neutral soap.

#### Eye contact of silica dust

In case of contact, wash with plenty of water. In case of prolonged discomfort, consult a doctor.

#### Ingestion of silica dust

In case of ingestion of the powders, immediately rinse the oral cavity and consult a doctor.

### **Inhalation of silica dust**

In case of inhalation, move to an open and ventilated place. Seek medical attention if you feel unwell.

## **05 FIRE-FIGHTING MEASURES**

### **OKITE Flammability Risks**

Fire classification of construction products and elements - Part 1: Classification based on the results of the reaction to fire tests according to the UNI EN 13501-1: 2009 standard

### **Fire resistance classification: non-flammable or hardly flammable combustible materials**

Suitable Extinguishing Agents: Any agent suitable for enveloping fire conditions. The use of multipurpose powder extinguishers is recommended.

## **06 ACCIDENTAL RELEASE MEASURES**

Not applicable.

## **07 HANDLING AND STORAGE**

### **7.1 Handling**

#### **Precautions during processing**

It is recommended, during the cutting and adjustment of the slab thickness, to use systems that operate in the presence of suitable quantities of water, and in any case ensuring compliance with national and international regulations on the protection of the health and safety of workers. in the workplace.

#### **Environmental precautions during processing**

Collect the powdery residues from processing, using specific vacuum cleaners in order to avoid their dispersion and relative permanence in the work environment.

The surface of the processed product can be removed from dust residues with a simple damp cloth.

### **7.2 Storage**

During handling it is recommended to take the following precautions:

- Use handling systems suitable for the weight of the sheet (eg crane, bridge crane). The use of well protected / resistant straps is recommended as the material may have sharper edges than natural stone.
- Respect the protection measures provided by the Employer following the Risk Assessment, in particular the use of PPE suitable for risk prevention in the single operational reality, also for autonomous laboratories and artisans.

It is suggested, by way of example and not limited to, the use of: safety footwear and protective gloves during the storage and handling phases of the OKITE slabs.

## **08 EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **8.1 Exposure limit values.**

The employer of the company, also artisan, which deals with the transformation of the OKITE slab has the regulatory obligation to carry out an assessment of the risks associated with the exposure of workers present to the substances in use, including powders in general and in particular the silica powders, based on the applicable legislation on the subject (Legislative Decree no. 81/08).

It is specified that the European scientific committee on occupational exposures provides the indication of 0.05 mg / m<sup>3</sup> and that in Italy, pursuant to Presidential Decree 1124/65, insurance for mediated exposures in 8 working hours exceeding 0.025 mg / m<sup>3</sup> is mandatory. :

### **8.2 Exposure control**

The manufacturer recommends carrying out the OKITE processing using equipment with water-based dust abatement systems, which comply with the established standards of good practice and in accordance with the priority of preventing occupational hazards at their source, as per current legislation.

It is suggested the possible adoption of work clothes resistant to the penetration of dangerous dust, of individual respiratory protection devices or eye protection from foreign bodies, etc. as a result of the risk assessment referred to in the previous point..

## **09 PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** solid, not powdery

**Color:** according to the commercial range

**Smell:** Odorless

## **10 STABILITY AND REACTIVITY**

**Chemical stability:** Stable (silica powders alone can gel in contact with water)

**Conditions to avoid:** None

**Incompatibility with other materials:** None

**Hazardous decomposition products:** No decomposition products are known.

### 11 TOXICOLOGICAL INFORMATION

Dust produced in high-speed mechanical abrasion manufacturing processes of the product may contain Respirable Free Crystalline Silica (SiO<sub>2</sub>).

Prolonged and massive inhalation of crystalline silica dust in respirable fraction can cause damage to the apparatus up to chronic diseases.

### 12 ECOLOGICAL INFORMATION

**Acute toxicity to aquatic organisms:** Not applicable

**Degradability:** Not applicable

**Bioaccumulation:** None

**Toxicity for the environment:** None

OKITE is considered chemically inert for the environment.

### 13 DISPOSAL CONSIDERATIONS

Non-dusty solid residues are considered non-hazardous waste according to EC Reg. 1357/14.

The dust generated in the shaping of the slab must be collected with care to prevent it from being accidentally introduced into the sewer system, where any type of waste disposal is forbidden, where it could cause accumulations or clogging.

The material used for packaging must be disposed of in accordance with the provisions on packaging waste in Legislative Decree 152/06.

### 14 TRANSPORT INFORMATION

OKITE material is not subject to limitations or conditions on road (ADR), rail (RID), sea (IMDGCode) or air (ICAO / ENAC) modes of transport.

### 15 REGULATORY INFORMATION

OKITE is a product / preparation not subject to regulation.

### 16 OTHER INFORMATION

Contact SEIEFFE SRL before using or supplying the product for applications other than those indicated above.

The information contained in this document derives from the current state of technical-scientific knowledge. They may be subject to review and updates as new scientific knowledge, experience or advancement becomes available.

In particular, our Company is and remains completely unrelated to the conditions of use of the material by the buyers as they are under their control. The content of this sheet must therefore be interpreted as a recommendation to use any product in strict compliance with the law, good safety techniques and / or compliance with existing patents on any material or use.

For more information follow the instructions provided in the Good Processing Practice Guide, written by the manufacturer, information available at [www.okite.com](http://www.okite.com).

It is possible to expand the information relating to Free Crystalline Silica by visiting the website <http://www.nepsi.eu/> and consulting the Guide to good practices for the protection of workers' health, for the correct handling and use of crystalline silica. and the products containing it, drawn up by NEPSI.

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