



**OKITE®**

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**OKITE®**

MSDS- Material Safety Data Sheet

## MSDS - Material Safety Data Sheet

Drawing up Date: 26/10/98

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OKITE® has become a synonym of quartz resin countertops. Due to its physical and mechanical properties it is an inert material so that it doesn't cause any risks to individual health and to the environment in its specific use, but some precautions need to be taken in the early stages of the fabrication that concern, however, the industry and never the end-user of the product, which the consumer for whom it is - and remains - an inert material.

The fact that it is an inert material and therefore a product by definition harmless to human health, has been established through a series of technical and scientific experiments carried out and available on site.

Therefore, the safety data listed below are relating exclusively to the fabrication phases of the product because of the release of dust..

### 1. Product and Company Description

<b>Product name</b>	OKITE®.	
<b>Product Use</b>	Design Furnishing substitute of natural stone / Quartz and Natural Stone Surfacing	
<b>Manufacturer Name and Address</b>	<b>SEIEFFE s.r.l.</b> SS Appia Loc. Campitze 82013 BONEA (BN) Italia E-mail: okite@okite.com	
<b>Emergency number</b>	Tel. +39 0824.847911	Fax +39 0824.847999

### 2. Ingredients ( Raw materials) Composition / Information

#### 2.1 Composition

<b>Micronized silica - SiO<sub>2</sub></b> ( <i>grana &lt; 0, 1mm</i> )	<b>28 - 50%</b>	Substance that is not classified as hazardous under Directive 1999/45/EC. Substance for which there is a limit for the occupational exposure because of its inhalable dust.
<b>Granulated Quartzs - Granulated Glass Granulated Mirror Granulated Granite granulated</b> ( <i>grain 0.1 - 4.0mm</i> )	<b>55 - 62 %</b>	Substance for which there is a limit for the occupational exposure because of its inhalable dust. Product is not classified as hazardous under Directive 1999/45/EC.
<b>Polyester resin orthophthalic</b>	<b>9-12 %</b>	Product is not classified as hazardous under Directive 1999/45/EC.
<b>Pigments</b>	<b>&lt; 1%</b>	Not available data

2.2 Product not classified as hazardous

2.3 Hazardous components: SiO<sub>2</sub> crystalline n.CAS 14808-60-70,

2.4 Limit Value for inhalable dust of SiO<sub>2</sub> crystalline: 0,025 mg/m3 (TLV-TWA ACGIH 2010)

### 3. Identification of hazards derived from fabrication of the product

3.1 Inert product, not hazardous

3.2 Production of free crystalline silica dusts dangerous to human health during dry machining/fabrication (cutting, grinding, shaping, polishing).

3.3 First Aid Measures in case of contact with fabrication dusts.

### 4. First Aid Measures

<b>Skin contact</b>	Prolonged contact may cause skin dryness. Wash thoroughly with neutral soap and plenty of water.
<b>Eye contact</b>	In case of eye contact, wash thoroughly with water. In the event of prolonged discomfort, consult a doctor.
<b>Ingestion</b>	In case of ingestion of dust, rinse the mouth and consult a doctor.
<b>Inhalation</b>	If inhaled, move to an open and well-ventilated/airy place.

### 5. Fire Fighting Measures

<b>Risk of flammabil</b>	Not flammable material (Class 1 - come da D.M. 26/06/84).
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### 6. Accidental leakage measures

<b>Personal precautions</b>	It is necessary during fabrication operations to use recommended individual protective equipm.
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<b>Environmental precautions</b>	Collect the material produced during fabrication operations with specific vacuum cleaner in order to avoid dust rising and dispersing in the air, then wipe surfaces with a damp cloth.
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### 7. Handling and Storage

<b>Slab Handling (for Personnel)</b>	Use mechanical or manual handling equipment. Avoid inhalation of dust during processing activities of the powders.( fabrication activities).
<b>Storage &amp; Packaging</b>	Store polished slabs sides facing each other and unpolished sides facing each other. Slab can be damaged if not packed or transported in proper manner.

### 8. Exposure Control / People Protection

<b>Technical Measures</b>	See point 7.
<b>Personal Protective Equipment</b>	a) Respiratory Protection: anti-dust mask.
	b) Hand protection: gloves.
	c) Eye protection: Safety glasses
	d) ) Skin protection: wear appropriate clothing.
	e) Other: protective helmet (in case of handling of suspended loads).

### 9. Physical and Chemical Properties of crystalline silica powder

<b>Appearance</b>	slab
<b>Boiling point</b>	Not applicable
<b>Melting point</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Auto Flammability</b>	Not applicable
<b>Comburent properties</b>	Not applicable
<b>Steam Pressure</b>	Not applicable
<b>Solubility in water:</b>	Not applicable
<b>PH</b>	Not applicable
<b>Density</b>	Not applicable
<b>Viscosity</b>	Not applicable

### 10. Stability and Reactivity

<b>Chemical Stability</b>	Stable. <i>(the silica dust can solidify in contact with wat)</i>
<b>Conditions to avoid</b>	None in particular.
<b>Incompatibility with other materials</b>	None
<b>Hazardous Decomposition Products</b>	products of decomposition not known, it does not produce exothermic reactions or any kind of degradation of material

### 11. Toxicological Information

OKITE® is a quartz agglomerate . Quartz is a mineral whose main component is silicon oxide (SiO<sub>2</sub>) and has a transparent and crystalline structure. As there is no risk as a result of contact with the slab, the inhalation of large quantities of dust arising from the cutting process could be harmful/detrimental to human health if inhaled, causing silicosis.

### 12. Environmental Impact

<b>Acute toxicity for aquatic organisms</b>	Not determined
<b>Biodegradability</b>	Non biodegradable
<b>No bioaccumulation</b>	None
<b>No toxicity to the environment</b>	None

is considered chemically inert to the environment. It is not considered damaging l to the water. Do not disperse the dust produced during the fabrication at the level of soil/ground, surface waters and underground waters.

### 13. Considerations about Disposal

<b>Containment techniques</b>	No particular requirement
<b>Cleaning techniques</b>	Manual removal of dust produced
<b>Product Disposal</b>	It must be done according to the in force local and national regulations related to waste disposal. The product OKITE® can be disposed in landfills for inert waste, to be recover with mode R5. Moreover, fabrication powdery residuals should not be placed in the sewer system because they can cause stoppage .
<b>Disposal of packaging</b>	The material used for packaging (cardboard or wooden pallet) can be reused or handled as household waste

### 14. Transport Information

No regulation.

### 15. Information about regulations

OKITE® is not dangerous according to the D.L. February 3, 1997, No. 52 and subsequent amendments, concerning the classification, packaging and labeling of dangerous substances.

About crystalline silica dust the following risk statements have been established in the industry:

R 20 - Harmful by inhalation

R 36/37 - Irritating to eyes and respiratory system.

R48 - Risk of serious damage to health due to prolonged exposure

### 16. Additional Info

This product should be stored, handled and used according to proper industrial hygiene procedures, in compliance with all the legal regulations as reported in this manual. The information contained in this safety data sheet come from the current state of technical-scientific knowledge and aim to characterize the product in terms of security requirements. They may be subjected to review and update as new knowledge, experiences and progress in science become available.

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