

**1. Identification of the substance and the producer/supplier**

## 1.1 Product

Product name: *Kristall-Quarzsand*  
Grade: *all G-grades and S-grades*

## 1.2 Application of product:

*Main applications (incomplete list):  
Raw material for glass and ceramics,  
foundry and building materials*

## 1.3 Informations about the Producer/Supplier

Producer/Supplier: *Schlingmeier Quarzsand GmbH & Co.KG*  
Street: *Ackerstraße 8*  
Place: *D-38179 Schwülper*  
Telephone: *++49 5303 9501-0*

## 1.4 Inquiry-office:

*++49 5303 9501-0 (Dr. Barrmeyer)*

## 1.5 Emergency call:

*++49 5303 9501-0*

**2. Composition/Ingredients**

## 2.1 Mineralogical characterization:

*Alpha quartz*

## 2.2 Chemical characterization:

*SiO<sub>2</sub>*

## 2.2.1 CAS-No.:

*014808-60-7*

Term/name of produkt:

*Quartz SiO<sub>2</sub>*

## 2.2.2 EINECS-No.:

*238-878-4*

## 2.2.3 Content:

*> 99 %*

**3. Possible hazard risks**

3.1 *Classification according to directive 67/548/EEC:* *not hazardous*

3.2 *Classification according to directive 98/24/EEC:* *not hazardous*

3.3 *Classification according to (EC) No 1272/2008:* *not classified as hazardous*

3.4 *Danger for humans:* *no danger*

*Note: During handling and processing of quartz sand respirable crystalline silica dust < 5 µm may be generated. Crystalline silica dust < 5 µm is classified as hazardous.*

3.5 *Danger for nature:* *see 12: Ecological information*

**4. First aid measures**

4.1 Inhalation: *no special measures*

4.2 Eye contact: *rinse with water, seek medical advice if necessary*

4.3 Skin contact: *no special measures*

4.4 Ingestion: *no special measures*

**5. Fire-fighting measures**

- 5.1 Suitable fire-extinguisher: *Product itself does not burn.*
- 5.2 Extinguishing media which must not be used: *not known*
- 5.3 Particular endangering by the substance: *not known*  
- by its combustion products *not known*  
- by its gases released from it *none*

**6. Accidental release measures**

- 6.1 Personal precautions: *Avoid inhaling dust. Avoid dust formation. In case of exposure to dust over regulatory limits, wear a personal respirator in compliance with national legislation.*
- 6.2 Environmental precautions: *see 12: Ecological information*
- 6.3 Methods for cleaning up: *Avoid dust development. Use vacuum cleaner.*

**7. Handling and storage**

- 7.1 Safe handling advice: *Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. In case of exposure to dust over regulatory limits, wear a personal respirator in compliance with national legislation.*
- 7.2 Storage
- 7.2.1 Requirements for store rooms/receptacles: *Keep in dry place. Avoid dust formation.*
- 7.2.2 Do not store in common with: *not applicable*

**8. Exposure Controls / Personal Protection**

- 8.1 Exposure Limit Values: *Respect national regulatory provisions for dust (total dust and respirable crystalline silica dust).*
- 8.2 Occupational exposure controls: *Provide appropriate exhaust ventilation and filtering where dust can be generated.*
- 8.3 Respiratory Protection: *In case of exposure to dust over regulatory limits, wear a personal respirator in compliance with national legislation.*
- 8.4 Hand Protection: *not required*
- 8.5 Body/Skin Protection: *not required*
- 8.6 Eye Protection: *not required*

**9. Physical and chemical properties**

9.1	Appearance:	Shape: granular (> 0,063 mm) Colour: white Odour: odourless
9.2	Data relevant for safety	
9.2.1	Density:	2,65 g/cm <sup>3</sup>
9.2.2	pH-value:	approx. 7 (100 g/l water)
9.2.3	Solubility in water:	insoluble
9.2.4	Melting point:	> 1600 °C
9.2.5	Boiling point:	2230 °C
9.3	Particle size range:	according to product datasheet

**10. Stability und reactivity**

10.1	Conditions to avoid:	not known
10.2	Materials to avoid:	not known
10.3	Hazardous decomposition products:	not known

**11. Toxicological information**

Acute toxicity:	non-toxic If respirable crystalline silica is generated by processing silica sand, the following information applies: Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis (silicosis). People with silicosis are reported to have an increased cancer risk. Exposure to dust should be monitored and managed.
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**12. Ecological information**

Quartz is a common component of the earth's crust. Negative ecological effects are not known.

**13. Disposal Considerations**

13.1	Product:	Can be landfilled in compliance with local regulations. Recycling should be preferred to disposal.
13.2	Contaminated packaging:	Recycle used paper and PE bags. The re-use of soiled packaging material is not recommended.

**14. Transport information**

*Not classified as dangerous according to transport regulations. Avoid dust spreading.*

**15. Regulatory information**

*No EC-classification in 67/548/EC Annex 1  
No EC-classification in (EC) No 1272/2008*

**16. Other information**

*Quartz sand from Schlingmeier Quarzsand GmbH & Co.KG is a natural product.  
Grinding or milling procedures are not carried out during preparation.*

*Quartz sand is not hazardous and is exempted from the obligation to register in accordance with REACH (Annex V Exemptions). So this Material Safety Data Sheet is made voluntarily.*

*The information presented in this section describes exclusively the safety requirements for the product(s) and is based on the present level of knowledge. It does not constitute a guarantee for the characteristics of the described product(s) as defined by the legal warranty regulations.*