

1. Identification of the substance/mixture and of the company/undertaking

- 1.1 Product
Product identifier: *Silica sand, Quartz sand*
Grades: *all G-grades and S-grades*
REACH-Registration N°: *exempted in accordance with Annex V Anhang V*
- 1.2 Relevant identified uses: *Main applications (incomplete list):
Raw material for glass and ceramics,
foundry and building materials*
- 1.3 Details of the supplier of the safety data sheet
- 1.3.1 Company name: *Schlingmeier Quarzsand GmbH & Co. KG*
Street: *Ackerstraße 8*
Place: *D-38179 Schwülper*
Phone: *++49 5303 9501-0*
Fax: *++49 5303 9501-95*
E-Mail: *m.barrmeyer@gmx.de*
- 1.3.2 Inquiry-office: *++49 5303 9501-51 (Dr. Barrmeyer)*
- 1.3.3 Emergency call: *++49 5303 9501-51 (Dr. Barrmeyer)*

2. Hazards Identification

- 2.1 Classification of the substance:
This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008 and in Directive 67/548/EEC.
- Regulation EC 1272/2008: *no classification*
Regulation EU (67/548/EEC): *no classification*
- 2.2 Label elements: *none*
- 2.3 Other hazards:
This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.
Depending on the type of handling and use (e.g. grinding, drying), airborne respirable crystalline silica may be generated. Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable crystalline silica dust should be monitored and controlled.
This product should be handled with care to avoid dust generation.

3. Composition/Information on ingredients

- 3.1 Main constituent: *Quartz*

3.2	Content:	<i>SiO₂ > 98%</i>
3.3	EINECS N°:	<i>238-878-4</i>
3.4	CAS-N°:	<i>014808-60-7</i>
3.5	Impurities:	<i>This product contains less than 1 % of respirable quartz.</i>

4. First aid measures

4.1	Inhalation:	<i>Bring exposed individual to fresh air.</i>
4.2	Eye contact:	<i>Rinse with water, seek medical advice if necessary.</i>
4.3	Skin contact:	<i>no special measures</i>
4.4	Ingestion:	<i>no special measures</i>
4.5	Most important symptoms and effects both acute and delayed:	<i>No acute and delayed symptoms and effects are observed.</i>
4.6	Indication of any immediate medical attention and special treatment needed:	<i>No specific actions are required.</i>

5. Fire-fighting measures

5.1	Extinguishing media:	<i>No specific extinguishing media is needed.</i>
5.2	Special hazards arising from the substance:	<i>non combustible, no hazardous thermal decomposition</i>
5.3	Advice for firefighters:	<i>No specific fire-fighting protection is required.</i>

6. Accidental release measures

6.1	Personal precautions:	<i>Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation.</i>
6.2	Environmental precautions:	<i>no special requirements</i>
6.3	Methods for cleaning up:	<i>Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust.</i>

7. Handling and storage

7.1	Handling	
7.1.1	Precautions for safe handling:	<i>Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment.</i>
7.2	Storage	
7.2.1	Conditions for safe storage:	<i>Keep in dry place. Avoid dust formation.</i>
7.3	Specific end use(s)	<i>If you require advice on specific uses, please contact your supplier.</i>

8. Exposure controls/personal protection

8.1 Control parameters

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust, respirable crystalline silica dust).

The OEL (Occupational Exposure Limit) for respirable crystalline silica dust is 0,1 mg/m³ in the United Kingdom, measured as an 8 hour TWA (Time Weighted Average). For the equivalent limits in other countries, please consult a competent occupational hygienist or the local regulatory authority.

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit.

Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

8.3 Individual protection measures, such as personal protective equipment

8.3.1 Respiratory protection:

In case of prolonged exposure to airborne dust concentrations, wear a respiratory protective equipment that complies with the requirements of European or national legislation.

8.3.2 Eye protection:

Wear safety glasses with side-shields where there is a risk of penetrative eye injuries.

8.3.3 Hand/skin protection:

Appropriate protection (e.g. gloves, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

8.3.4 Environmental exposure controls:

Avoid wind dispersal.

9. Physical and chemical properties

Appearance:

Shape: granular (> 0,063 mm)

Colour: white

Odour: odourless

Odour threshold: not relevant

pH-value:

6,5 - 7 (400 g/l water at 20°C)

Density:

2,65 g/cm³

Melting point:

> 1600 °C

Solubility(ies):

in water: negligible

in hydrofluoric acid: Yes

Other information:

no other information

10. Stability and reactivity

10.1	Reactivity:	<i>inert, not reactive</i>
10.2	Chemical stability	<i>chemically stable</i>
10.3	Possibility of hazardous reactions:	<i>no hazardous reactions</i>
10.4	Conditions to avoid:	<i>not relevant</i>
10.5	Incompatible materials:	<i>no particular incompatibility</i>
10.6	Hazardous decomposition products:	<i>not relevant</i>

11. Toxicological Information

11.1	Information on toxicological effects:	
	Acute toxicity:	<i>Based on available data, the classification criteria are not met.</i>
	Skin corrosion/irritation:	<i>Based on available data, the classification criteria are not met.</i>
	Serious eye damage/irritation:	<i>Based on available data, the classification criteria are not met.</i>
	Respiratory or skin sensitisation:	<i>Based on available data, the classification criteria are not met.</i>
	Germ cell mutagenicity:	<i>Based on available data, the classification criteria are not met.</i>
	Carcinogenicity:	<i>Based on available data, the classification criteria are not met.</i>
	Reproductive toxicity:	<i>Based on available data, the classification criteria are not met.</i>
	STOT-single exposure:	<i>Based on available data, the classification criteria are not met.</i>
	STOT-repeated exposure:	<i>Based on available data, the classification criteria are not met.</i>
	Aspiration hazard:	<i>Based on available data, the classification criteria are not met.</i>

12. Ecological Information

12.1	Toxicity:	<i>not relevant</i>
12.2	Persistence and degradability:	<i>not relevant</i>
12.3	Bioaccumulative potential:	<i>not relevant</i>
12.4	Mobility in soil:	<i>negligible</i>
12.5	Results of PBT and vPvB assessment:	<i>not relevant</i>
12.6	Other adverse effects:	<i>no specific adverse effects known</i>

13. Disposal considerations**13.1 Waste treatment methods**

Waste from residues/unused products:

Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.

Packaging:

*Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles.**Recycling and disposal of packaging should be carried out in compliance with local regulations.**The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company.***14. Transport information**

- | | | |
|------|--|-------------------------------|
| 14.1 | UN-Number: | <i>not relevant</i> |
| 14.2 | UN proper shipping name: | <i>not relevant</i> |
| 14.3 | Transport hazard classes | |
| | ADR: | <i>not classified</i> |
| | IMDG: | <i>not classified</i> |
| | ICAO-TI/ATA: | <i>not classified</i> |
| | RID: | <i>not classified</i> |
| 14.4 | Packing Group: | <i>not relevant</i> |
| 14.5 | Environmental hazards: | <i>not relevant</i> |
| 14.6 | Special precautions for user: | <i>no special precautions</i> |
| 14.7 | Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | <i>not relevant</i> |

15. Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

International legislation/requirements

European Directive on Dangerous

Substances 67/548:

This product is not classified as dangerous.

European Community Labelling:

Labelling not required

National legislation/requirements (Germany):

TRGS 900 and TRGS 906

- 15.2 Chemical safety assessment:**

Exempted from REACH Registration in accordance with Annex V.

16. Other information

16.1 Liability

Such information is to the best of Schlingmeier Quarzsand GmbH & Co. KG knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

16.2 Training:

Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.