

TECHNICAL SAFETY INFORMATION

According to the format of the Safety Data Sheet pursuant to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 07.01.2021
Revision date: 30.01.2025
Valid from: 01.02.2025
Version: Nr. 3 replaces versions 1 & 2

1. Identification of the substance and of the company

1.1 Product identifier

Generic name: Quarzsand

Index-Nr.: -

EC number: 238-878-4

CAS number: 14808-60-7

REACH registration number: Exempted from registration according to Article 2(7)(b) in conjunction with Annex V No. 7

Other names: Dry Sand

1.2 Relevant identified uses of the substance and uses advised against

Main areas of application: Dry mortar, plaster, adhesives, roofing materials, floor coatings, sports surfaces, etc.

1.3 Details of the supplier

Manufacturer / Supplier:

Holcim Kies und Beton GmbH

Street/Numer

Durmersheimer Straße 28

City

76316 Malsch

Contact point for technical information:

Holcim Kies und Beton GmbH

Product Management Aggregates

Durmersheimer Straße 28

76316 Malsch

Phone:

07246/92100

1.4 Emergency telephone number

Due to the absence of acute effects and the lack of required first-aid measures: **not relevant**

2. Hazards identification

2.1 Classification of the substance

The product may contain respirable crystalline silica (quartz) as an impurity.

The respirable fraction is **below 1 %**.

Classification: Not classified

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP):

No labelling required

2.3 Other hazards

The product is an inorganic substance and does **not** meet the criteria for PBT or vPvB substances.

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3. Composition / information on ingredients

3.1 Substances

The product is manufactured from naturally occurring unconsolidated rock by thermal treatment (drying) and mechanical processing (screening).

Main constituent: Quartz

Secondary constituent: Feldspar

Chemical name: Quartz sand (Silicon dioxide, SiO₂)

Index-No.: -

EC number: 238-878-4

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4. First aid measures

4.1 Description of first aid measures

No special first aid measures required.

After inhalation:

Provide fresh air. Seek medical advice if symptoms occur.

After skin contact:

Wash with water and soap.

After eye contact:

Rinse cautiously with water for several minutes with eyelids held open.

Consult an ophthalmologist if eye irritation persists.

4.2 Most important symptoms and effects, both acute and delayed

No acute or delayed symptoms or effects observed.

4.3 Indication of any immediate medical attention and special treatment needed

No specific medical treatment required.

5. Firefighting measures

5.1 Extinguishing media

The product is non-combustible.

5.2 Special hazards arising from the substance

None known.

5.3 Advice for firefighters

No special firefighting measures required.

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Ensure adequate ventilation or respiratory protection if occupational exposure limits are exceeded.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Collect mechanically, dry or wet. Avoid dry sweeping where possible.

6.4 Reference to other sections

See Sections 8 and 13.

7. Handling and storage

7.1 Precautions for safe handling

Avoid dust formation. Ensure adequate ventilation or respiratory protection.

Further guidance can be found in the *Good Practice Guide on Workers' Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing It*, referred to in Section 16.

Eating, drinking and smoking are prohibited at the workplace. Hands must be washed before breaks and at the end of work. Contaminated clothing and personal protective equipment (PPE), if applicable, shall be removed before entering break areas and dining facilities.

The provisions of TRGS 559 "Mineral Dust", as amended, shall apply.

7.2 Conditions for safe storage, including any incompatibilities

Avoid dust formation during storage.

7.3 Specific end uses

For specific applications, refer to the Good Practice Guide for the protection of workers from exposure to crystalline silica.

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8. Begrenzung und Überwachung der Exposition / Persönliche Schutzausrüstung

8.1 Control parameters

8.1.1 Occupational exposure limits (Germany):

Name: General dust
Value: Respirable fraction (A): 1.25 mg/m³, Inhalable fraction (E): 10 mg/m³
Monitoring according to TRGS 900

8.1.2 DNEL and PNEC values

The substance is exempt from REACH registration; therefore, no DNEL or PNEC data are available.

8.1.3 Control-Banding (z.B. ILO, EMKG)

No control banding has been established.

8.2 Exposure controls

8.2.1 Engineering controls:

Eye protection

Safety glasses recommended

Skin protection

No special measures required

Hand protection:

Gloves recommended for sensitive skin

Respiratory protection:

Particle-filtering half mask or P1–P3 particle filters when dust is generated

8.2.3 Limitation and monitoring of environmental exposure

No adverse ecological effects are known when handling the product. The product is a natural material manufactured from naturally occurring unconsolidated or consolidated rock of the Earth's crust.

Dust generation shall be avoided during handling.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance
- Physical state: solid
- Colour: Yellowish-white
Odour: odourless
Odour threshold: not applicable
pH value: not relevant
Melting point / freezing point: not relevant
Initial boiling point and boiling range: not relevant
Flash point: not relevant
Evaporation rate: not relevant
Flammability (solid, gaseous): not relevant
Upper/lower flammability or explosive limits: not relevant
Vapour pressure: not relevant
Vapour density: not relevant
Relative density: approx. 2.6 t/m³
Solubility(ies) in water: not water soluble
Particle size distribution: various particle sizes
Auto-ignition temperature: not relevant
Decomposition temperature: not relevant
Viscosity: not relevant
Explosive properties: not relevant
Oxidising properties: not relevant

9.2 Other information

No new information.

10. Stability and reactivity

10.1 Reactivity

Inert, not reactive.

10.2 Chemical stability

Chemically stable under normal ambient conditions and under the temperature and pressure conditions to be expected during storage and handling.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Not relevant.

10.5 Incompatible materials

No particular incompatibilities.

10.6 Hazardous decomposition products

Not relevant.

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11. Toxicological information

11.1 Information on toxicological effects

For substances in the following hazard classes (including a brief summary of available test results and indication of the assessment methods)

Acute toxicity

Based on available data, the criteria for classification are not met.

Skin corrosion/irritation

Based on available data, the criteria for classification are not met.

Serious eye damage/eye irritation

Based on available data, the criteria for classification are not met.

Respiratory or skin sensitisation

Based on available data, the criteria for classification are not met.

Germ cell mutagenicity

Based on available data, the criteria for classification are not met.

Carcinogenicity

Based on available data, the criteria for classification are not met.

Reproductive toxicity

Based on available data, the criteria for classification are not met.

Specific target organ toxicity – single exposure (STOT SE)

Based on available data, the criteria for classification are not met.

Specific target organ toxicity – repeated exposure (STOT RE)

Based on available data, the criteria for classification are not met.

Aspiration hazard

Based on available data, the criteria for classification are not met.

For mixtures with respect to the following effects

The product is not a mixture in accordance with Regulation (EC) No. 1907/2006.

12. Ecological information

12.1 **Toxicity**

Not relevant.

12.2 **Persistence and degradability**

Not relevant.

12.3 **Bioaccumulative potential**

Not relevant.

12.4 **Mobility in soil**

Negligible.

12.5 **Results of PBT and vPvB assessment**

Not relevant.

12.6 **Other adverse effects**

No harmful effects known.

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13. Disposal considerations

13.1 Waste treatment methods

The product is inert (manufactured from naturally occurring rock of the Earth's crust). Recycle where possible.

Treatment of contaminated packaging

Remove adhering dust from packaging. Wear suitable personal protective equipment (PPE).

Waste code according to the European Waste Catalogue (EWC)

010408

Special precautions

No special precautions required.

Relevant EU or other regulations

Not relevant.

14. Transport information

14.1 UN number

Not relevant. The product is not classified as dangerous goods within the meaning of transport regulations.

14.2 UN proper shipping name

ADR/RID

Not relevant. The product is not classified as dangerous goods within the meaning of transport regulations.

IMDG Code / ICAO-TI / IATA-DGR

Not relevant. The product is not classified as dangerous goods within the meaning of transport regulations.

14.3 Transport hazard class(es)

Not relevant. The product is not classified as dangerous goods within the meaning of transport regulations.

14.4 Packing group

Not relevant.

14.5 Environmental hazards

Marking of environmentally hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: yes / no
Marine pollutant: yes / no

14.6 Special precautions for user

None.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Pollution category (X, Y or Z): not relevant

Ship type (1, 2 or 3): not relevant

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15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance

National regulations, e.g.:

Water hazard class

Not water-endangering according to the German Administrative Regulation on Substances Hazardous to Water (VwVwS).

Technical Instructions on Air Quality Control (TA Luft)

Ordinance on the Protection against Hazardous Substances (GefStoffV)

Announcement 220 on Hazardous Substances "Safety Data Sheet"

TRGS 402 "Determination and assessment of hazards in activities involving hazardous substances: inhalation exposure"

TRGS 500 "Protective measures"

TRGS 559 "Mineral dust"

TRGS 900 "Occupational exposure limit values"

TRGS 906 "List of carcinogenic activities or processes pursuant to Section 3 (2) No. 3 of the Hazardous Substances Ordinance (GefStoffV)"

Further relevant regulations

Not specified.

15.2 Chemical safety assessment

The product is exempt from REACH registration in accordance with Article 2(7)(b) in conjunction with Annex V No. 7. A chemical safety assessment is not required.

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16. Other information

Literature references and data sources

Quartz exposure at the workplace, **BIGA Report 8/2006**
Good Practice Guide "Quartz fine dust": www.nepsi.eu

Methods used for the evaluation of the information for the purposes of classification in accordance with Article 9 of Regulation (EC) No. 1272/2008

The product is not a mixture.

Wording of R-phrases, hazard statements, safety advice and/or precautionary statements referred to in Sections 2 to 15

Not applicable.

CLP labelling of mixtures (up to 2015 as voluntary information in addition to the label pursuant to Directive 1999/45/EC)

The product is not a mixture.

Materials supplied by other manufacturers

If materials not manufactured or supplied by Holcim Kies und Beton GmbH are used in conjunction with or instead of Holcim Kies und Beton GmbH materials, the recipient of such materials is responsible for obtaining all necessary information on these or other materials from the respective manufacturer or supplier, e.g. technical data and other product characteristics.

Social dialogue on respirable crystalline silica

On 25 April 2006, a multi-sectoral agreement on workers' health protection through the good handling and use of crystalline silica and products containing it was signed. This autonomous agreement, financially supported by the European Commission, is based on a Good Practice Guide. The provisions of the agreement entered into force on 25 October 2006. The agreement was published in the Official Journal of the European Union (2006/C 279/02). The text of the agreement, its annexes and the Good Practice Guide are available at <http://www.nepsi.eu> and provide useful information and guidance for the handling of products containing quartz (fine fraction).

Liability

The information provided herein reflects the current state of knowledge of Holcim Kies und Beton GmbH at the time of compilation and is believed to be accurate and reliable. However, no responsibility, warranty or guarantee is assumed for the accuracy, reliability or completeness of the information provided. It is the responsibility of the user to ensure the suitability and completeness of the information for their specific application.