Safety Data Sheet

In compliance with Regulation (EG) Nr. 1907/2006, (EG) Nr. 1272/2008 und (EG) Nr. 453/2010

Stand 01/2026

Quartz sand is not hazardous, the safety data sheet (MSDS) is made voluntarily

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

1.1 Product identifier

Quartz sand
Index-No.: deleted
EINECS: 238-878-4
CAS-Nr.: 14808-60-7
REACH-Registrationno.: Exempted in accordance with Annex V.7

Trade names: Quarzsand, Bauchemiesand, Bauindustriesand, GolfSandPro, BeachSandPro, FußballSandPro, SprungSandPro, SpielSandPro, FallschutzSandPro, Bausand, Putzsand, Auffüllsand, ReitSandPro, FarbSandPro

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses (non exhaustive list):
Main applications: Construction chemicals, building industry, chemical industry, gardening and landscaping, aggregates for concrete according to EN 12620, according to aggregate for mortar EN 13139, glass industry, pet supplies, sports and playground, golf course construction, horse court contstruction, etc.

1.3 Details of the supplier of the safety data sheet

Company name:
Pleinfelder Quarzsand GmbH & Co. KG
Gewerbepark 11, D-91785 Pleinfeld

Phone / Fax / mail to
+49 9144 608229-0 / -30 / info@pleinfelder-quarzsand.de

1.4 Emergency Phone No.:

Andreas Burger 0170 2436995

2. Hazards Identification

2.1 Classification of the substance or mixture

The quartz sand itself is not dangerous. Respirable Crystalline Silica (A Group) can but have adverse health effects.

Inhalation of respirable crystalline silica dust (A Group), on a permanent or very high Concentration, can cause silicosis (pneumoconiosis as well known). The main symptoms of silicosis are coughing and wheezing.

It is therefore recommended to keep the dust emissions as low as possible and to prevent inhalation.

Classification according to Directive 67/548 / EEC or Directive 1999/45 / EC (substances or mixtures):deleted, no classification

2.2 Label elements

Label elements according to Regulation (EC) no. 1272/2008 (substances)

none

2.3 Sonstige Gefahren

The product is an inorganic substance and does not meet the criteria of a PBT or VPBT-substance.

3. Composition/Information on ingredients

3.1 The product is by mechanical processing (crushing, screening, grinding, etc.) of naturally occurring solid rock or loose rock produced with different mineral components.

Generic name: Quartz sand
Index-No.: deleted
EINECS: 238-878-4
CAS-Nr.: 14808-60-7

Impurities, stabilizing additives and individual constituents:
This product contains less than 1% respirable quartz.
Main constituent: Quartz
EINECS: 238-878-4
CAS-Nr.: 14808-60-7

4. First aid measures

4.1 Description of first aid measures

No first aid measures required.

Inhalation:

Supply fresh air; with complaints seek medical advice

Skin contact:

No special first aid measures necessary, wash with water and soap.

Eye contact:

Rinse with copious quantities of water and seek medical attention if irritation persists.

4.2 Most important symptoms and effects both acute and delayed

No acute and delayed symptoms and effects are observed.

4.3 Indication of any immediate medical attention and special treatment needed

No specific actions are required.

5. Fire-fighting measures

5.1 Extinguishing media

No specific extinguishing media is needed.

5.2 Special hazards arising from the substance or mixture
No

5.3 Special hazards arising from the substance or mixture
Non combustible. No hazardous thermal decomposition.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Control of dust, ensure that sufficient ventilation and take a relevant respiratory protection when exceeding the exposure limit requirements acc. TRGS 900.

6.2 Environmental precautions
No special requirements.

6.3 Methods and materials for containment and cleaning up
Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation.

6.4 Reference for other sections
See sections 8 and 13.

7. Handling and storage

7.1 Precautions for safe handling
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. Handle packaged products carefully to prevent accidental bursting. Do not to eat, drink and smoke in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Avoid dust formation

7.3 Specific end use(s)
For information on specific uses, please refer to the guide of good practices for Ge health protection of workers through the Good Handling and Use of Crystalline Sili-dioxide and containing the same products in heading 16.

8. Exposure controls/personal protection

8.1 Control Parameters

8.1.1 Grenzwerte für die Exposition am Arbeitsplatz und/oder biologische Grenzwerte Arbeitsplatzgrenzwerte (AGW) Deutschland

In Germany: Legal exposure limits according to TRGS 900 are: 3 mg/m³ respirable crystalline silica dust, 10 mg/m³ respirable dust.

In the Netherlands: The OEL (Occupational Exposure Limit) for respirable quartz dust 0.075 mg/m³ measured as an 8 hour TWA (Time Weighted Average).

Other countries: For the equivalent limits please consult a competent occupational hygienist or the local regulatory authority.

8.1.2 DNEL- and PNEC- values
No mandatory registration under Reach substance, therefore no relevant data available.

8.1.3 Control-Banding (z.B. ILO, EMKG)
No control banding available

8.2 Limitation and control of exposure

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..

8.2.2 Individual protection measures, such as personal protective equipment

Eye/face protection
Wear safety glasses with side-shields in circumstances where there is a risk of penetrative eye injuries.

Skin protection
No specific requirement

Hand and skin protection
Appropriate protection (e.g. gloves, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin. Wash hands at the end of each work session.

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.

8.2.3 Delimitation and monitoring of the environmental exposition
When handling the product are negative ecological effects are not known. The product is a natural product, made from naturally occurring unconsolidated or hard rocks of the crust. When handling dust should be avoided.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	
- Physical state:	firmly
- Color:	**ivory, light beige, beige**
Odor:	Odorless
Odour threshold:	Not relevant
ph:	**6,0 – 6,5**

Meltingpoint:	ca. 1700°C
Sintering point:	Not relevant
Flash pont:	Not relevant
Velocity of vaporization:	Not relevant
Flammability	Not relevant
Upper/lower limit of inflammation/explosion:	Not relevant
Vapour pressure:	Not relevant
Vapour density:	Not relevant
Relative density:	2,65 g/cm³ bei 20°C
Solubilities in water:	**insolube**
in hydrofluoric acid:	**ja**
Temperature of self-inflammation:	Not relevant
Temperature of decomposition:	Not relevant
Viscosity:	Not relevant
Explosive properties:	Not relevant
Oxidize properties:	Not relevant

9.2 Other information
No other information

10. Stabilität und Reaktivität

10.1 Reactivity
Inert, not reactive.

10.2 Chemical stability

Chemically stable under normal ambient conditions and under the anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No hazardous reactions.

10.4 Conditions to avoid

Not relevant

10.5 Incompatible materials
No particular incompatibility.

10.6 Hazardous decomposition products

Not relevant

11. Toxicological information

11.1 Information on toxicological effects

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

For mixtures the following effects
The product is not a mixture gem. EC 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 specific adverse effects known

13. Disposal considerations

13.1 Waste treatment methods

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 becarried out by an authorised waste management company.

Waste code according to Waste Catalogue (AVV)-DE
010408

Special precautions
No special precautions necessary.

Relevant EU or other regulations
Not relevant

14. Angaben zum Transport

14.1 UN-Numer
Not relevant, the product is not classified as hazardous under transport regulations

14.2 UN proper shipping name

ADR/RID
Not relevant, the product is not classified as hazardous under transport regulations

IMDG-Code / ICAO-TI / IATA-DGR
Not relevant, the product is not classified as hazardous under transport regulations

14.3 Environmental hazards
Not relevant, the product is not classified as hazardous under transport regulations

14.4 Packing Group
Not relevant

14.5 Environmental hazards
Not relevant

14.6 Special precautions for user
none

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not relevant

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Chemical safety assessment

International legislation/requirements:

Water hazard class: not hazardous acc. VwVwS

Regulation 1907/2006 (REACH): exempted, according to art. 2, paragraph 7.
European Directive on Dangerous Substances 67/548: this product is not classified as dangerous
European Community Labelling: Labelling not required
European Inventory of Commercial Chemical Substances:
All of the components of this product are listed on the EINECS
Inventory or exempt from notification requirements.

Germany:
Technical Instructions on Air Quality (TA-Luft)
Ordinance on protection against hazardous substances
Announcement 220 on hazardous substances "safety data sheet"
TRGS 402 "Identification and assessment of the risks from activities involving hazardous substances: Inhalation Exposure"
TRGS 500 "Protective measures"
TRGS 559 "Mineral Dust
TRGS 900 "Occupational Exposure Limits"
TRGS 906 "List of carcinogenic activities or procedures according to § 3 para. 2 no. 3 GefStoffV"

15.2 Chemical safety assessment

The product is the REACH registration requirements pursuant to Art. 2, para. 7b except in conjunction with Annex V Nr. 7,. A Chemical Safety Assessment is not required.

16. Other Information

Literature and data sources
Quartz workplace exposures, BIGA Report 8/2006
Practice Note "quartz dust" www.nepsi.eu

Methods in accordance with Article 9 of Regulation (EC) no. 1272/2008 were used for evaluation of information for classification purposes
The product is not a mixture

xt of R phrases, hazard statements, safety phrases and / or safety is 2 to 15 referred to in sections
deleted

Training for employess
Workers must be informed about the silica content of the product and be trained in determ- approved purpose handling the product. The requirements of the TRGS 559 "Mineral Dust"

CLP labeling of mixtures (2015 as a voluntary information in addition to the label by 1999/45/EC)

The product is not a mixture

Materials other providers

Will not manufactured by Pleinfelder silica sand or materials supplied in conjunction with or instead of Pleinfelder materials used, the recipients of such materials itself is responsible to receive all necessary information about these or other materials from the manufacturer or supplier of the materials in question, eg. to technical data and other product characteristics.

Social dialogue on respirable crystalline silica

On April 25, 2006, a cross-industry agreement on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing it was signed. This autonomous agreement, which was financially supported by the European Commission, is based on a Good Practices Guide. The conditions laid down in the Agreement came into force on 25 October 2006. The Convention was published in the Official Journal of the European Union (2006 / C 279/02). The text of the Agreement and its annexes and the Good Practices Guide, are available from http://www.nepsi.eu and provide useful information and guidance for the handling of products containing respirable crystalline silica.

With many years of exposure by chronic inflammation in the airways may be caused by a high dust load. Prolonged or continued repeated inhalation of respirable crystalline silica dust can cause silicosis, a nodular connective tissuex lung. Silicosis is caused by the deposition of respirable crystalline silica (RCS) in the alveoli (alveoli).

Liability

The present information provides the knowledge of Pleinfelder Quarzsand GmbH & Co. KG again accurate and reliable at the time of compilation of information. However, no representation, warranty or guarantee is made to the accuracy, reliability or completeness of the information contained herein. It is the user's responsibility to satisfy itself of the suitability and completeness of such information for his particular application.