



Safety Data Sheet

Silica sand and Quartz gravel

in compliance with Regulation
(EC) 1907/2006, (EC) 1272/2008,
(EU) 453/2010, (EU) 2015/830 and (EU) 2020/878

Revision date:
01/2022

Silica sand or Quartz gravel are not hazardous, so this MSDS is made voluntarily.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier:

Silica sand, Quartz gravel

REACH-Registration No.:

Exempted in accordance with Annex V.7.

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

Relevant identified uses (non exhaustive list): Water treatment, raw material for chemical, foundry, glass mortar industry etc.

Uses advised against:

none

Details of the supplier of the safety data sheet

Company name:

M + E Tebbe-Neuenhaus GmbH & Co.KG

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

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

Classification EC (67/548/EEC): No classification

Label elements:

none

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

Main constituent: Quartz

Amount: SiO₂ > 96 %

EINECS No.: 238-878-4

CAS-No.: 014808-60-7

Impurities: This product contains less than 1 % of respirable quartz.



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4. FIRST AID MEASURES

Description of first aid measures:

Eye contact: Rinse with copious quantities of water and seek medical attention if irritation persists.
Inhalation: Movement of the exposed individual from the area to fresh air is recommended.
Ingestion: No first aid measures required.
Skin contact: No special first aid measures necessary.

Most important symptoms and effects both:

No acute and delayed symptoms and effects are observed.

Indication of any immediate medical attention and special treatment needed:

No specific actions are required.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

No specific extinguishing media is needed.

Special hazards arising from the substance or mixture:

Noncombustible. No hazardous thermal decomposition.

Advice for firefighters:

No specific fire-fighting protection is required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation.

Environmental precautions:

No special requirements.

Methods and material 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.

Reference for other sections:

See sections 8 and 13.

7. HANDLING AND STORAGE

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.

Conditions for safe storage, including any incompatibilities

Technical measures/Precautions:

Minimize airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

Specific end use(s):

If you require advice on specific uses, please contact your supplier.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

In Germany: TRGS 900 and TRGS 906 are to be considered in their respective current version. Information on the limits of other countries can be obtained from specialized occupational hygiene experts or the relevant regulatory authority of the respective country.

Exposure controls

Appropriate engineering controls:

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

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. For hands, see below. Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

Hand 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. The use of half masks or full face masks with class 2 or 3 particle filters (FP2 - FP3) is recommended. See EN 143: 2000 Respiratory Protective Equipment - Particulate Filter.

Environmental exposure controls:

Avoid wind dispersal.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance (grain shape):	solid, edge-rounded or cubic grain, gray/white
Odor:	Odorless
Odor threshold:	Not relevant
pH-Value:	5 – 8 (400g/l H ₂ O at 20°C)
Melting point:	ca. 1.710°C
Relative density:	2,65 g/cm ³ at 20°C
Solubilities:	- in water - in hydrofluoric acid
	negligible yes

Other information: No other information.

10. STABILITY AND REACTIVITY

Reactivity:

Inert, not reactive.

Chemical stability:

Chemically stable.



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Possibility of hazardous reactions:
No hazardous reactions.

Conditions to avoid:
Not relevant.

Incompatible materials:
No particular incompatibility.

Hazardous decomposition products:
Not relevant.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity:

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 sensitization:

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 exposure:

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.

12. ECOLOGICAL INFORMATION

Toxicity:

Not relevant.

Persistence and degradability:

Not relevant.

Bioaccumulative potential:

Not relevant.

Mobility in soil:

Negligible.

Results of PBT- and vPvB assessment:

Not relevant

Other adverse effects:

No specific adverse effects known.



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13. DISPOSAL CONSIDERATIONS

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 authorized waste management company.

14. TRANSPORT INFORMATION

UN-Number:

Not relevant.

UN proper shipping name:

Not relevant.

Transport hazard classes:

ADR: Not classified

IMDG: Not classified

ICAO-TI/IATA: Not classified

RID: Not classified

Packing Group:

Not relevant.

Environmental hazards:

Not relevant.

Special precautions for user:

No special precautions.

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

Not relevant.

15. REGULATORY INFORMATION

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

Chemical safety assessment

International legislation/requirements:

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 Labeling: Labeling 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:

TRGS 900 and TRGS 906 are to be considered in their respective current version.

Chemical safety assessment:

Exempted from REACH Registration in accordance with Annex V.7.



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16. OTHER INFORMATION

Abbreviations and Acronyms

ADR/RID	European Agreements on the transport of Dangerous goods by Road/Railway
CAS	Chemical Abstracts Service
EG/EINECS	European Inventory of Existing Commercial chemical Substances
IATA	International Air Transport Association
IBC-Code	International standard for the safe carriage by sea of dangerous and noxious liquid chemicals in bulk
ICAO-TI	Technical Instructions for the safe transport of dangerous goods by air
IMGD	International Maritime Code for Dangerous Goods
MARPOL	Marine Pollution (International Convention for the Prevention of Marine Pollution from Ships)
PBT	Persistent, bio-accumulative and toxic
REACH	Registration, Evaluation and Authorization of Chemicals ((EG) 1907/2006)
STOT	Specific target organ toxicity
TRGS	Technical guideline for the handling of hazardous materials
vPvB	Very persistent, very bio accumulative

Materials from other suppliers:

If materials manufactured or supplied by M + E Tebbe-Neuenhaus GmbH & Co.KG are not used in conjunction with or in place of M + E Tebbe-Neuenhaus GmbH & Co. KG materials, the purchaser of such materials is responsible for them, by the manufacturer or any supplier of the materials concerned to request all necessary information on these or other materials, such as technical data and other product characteristics. Liability claims are excluded when using the product manufactured by M + E Tebbe-Neuenhaus GmbH & Co.KG in connection with products from other manufacturers.

Liability:

Such information is to the best of M + E Tebbe-Neuenhaus 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.

Training:

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