

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 2 Nov 2022

Print date: 12 Apr 2023

Version: 1.4



GEOGROUT SEAL A-Komponente

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name/designation:

GEOGROUT SEAL A-Komponente

UFI:

RX6G-NJQ4-RUN8-DHF4

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

No data available

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

TPH Bausysteme GmbH

Nordportbogen 8

22848 Norderstedt

Germany

Telephone: +49 40 52 90 66 78-0

Telefax: +49 40 52 90 66 78-78

E-mail: info@tph-bausysteme.com

Website: www.tph-bausysteme.com

E-mail (competent person): sdb-info@tph-bausysteme.com

1.4. Emergency telephone number

24h: International access phone number: +1-813-248-0585 /// United States, Canada, Puerto Rico, U.S. Virgin Islands: 1-800-255-3924 (Contract No. MIS7249185) /// Australia: 1-300-954-583 /// Brazil: 0-800-591-6042 /// China: 400-120-0751 /// India: 000-800-100-4086 /// Mexico: 800-099-0731

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 2 Nov 2022

Print date: 12 Apr 2023

Version: 1.4



GEOGROUT SEAL A-Komponente

Hazard components for labelling:

2-methyl-2H-isothiazol-3-one

Hazard statements for health hazards

H317	May cause an allergic skin reaction.
------	--------------------------------------

Supplemental hazard information: none

Precautionary statements Prevention

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
------	---

P272	Contaminated work clothing should not be allowed out of the workplace.
------	--

P280	Wear protective gloves.
------	-------------------------

Precautionary statements Response

P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
-------------	--

P362 + P364	Take off contaminated clothing and wash it before reuse.
-------------	--

Precautionary statements Disposal

P501	Dispose of contents/container to an appropriate recycling or disposal facility.
------	---


2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 7631-86-9 EC No.: 231-545-4	silicon dioxide The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	≥ 30 - < 60 weight-%
CAS No.: 2682-20-4 EC No.: 220-239-6 Index No.: 613-326-00-9	2-methyl-2H-isothiazol-3-one Acute Tox. 2 (H330), Acute Tox. 3 (H311, H301), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Dam. 1 (H318), Skin Corr. 1B (H314), Skin Sens. 1A (H317)  Danger EUH071 M-factor (acute): 10 M-factor (chronic): 1 Specific concentration limit (SCL) Skin Sens. 1A; H317: C ≥ 0.0015%	≥ 0.0025 - < 0.025 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 2 Nov 2022

Print date: 12 Apr 2023

Version: 1.4



GEOGROUT SEAL A-Komponente

Following ingestion:

Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:

Use personal protection equipment.

4.2. Most important symptoms and effects, both acute and delayed

Allergic reactions

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings. Foam Carbon dioxide (CO₂)
Extinguishing powder

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety. Wear respiratory protection.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 2 Nov 2022

Print date: 12 Apr 2023

Version: 1.4



GEOGROUT SEAL A-Komponente

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8). Avoid breathing vapours.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place. maximum storage temperature 35°C minimum storage temperature 5°C

Requirements for storage rooms and vessels:

Keep/Store only in original container.

Storage class (TRGS 510, Germany): 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Conditions to avoid: UV-radiation/sunlight Heat Frost

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
CH from 1 Jan 2022	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 4 mg/m ³ ⑤ (eintembare Fraktion) SSC; Tox: Lungenfibrose
HTP (FI)	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 5 mg/m ³
EE	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 2 mg/m ³ ⑤ 1
LV from 1 Feb 2011	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 1 mg/m ³
WEL (GB)	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 2.4 mg/m ³ ⑤ (Silica, amorphous; respirable fraction)
WEL (GB)	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 6 mg/m ³ ⑤ (Silica, amorphous; inhalable fraction)
DFG (DE) from 1 Jul 2022	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 0.02 mg/m ³ ② 1.6 mg/m ³ ⑤ (alveolengängige Fraktion)
IE	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 2.4 mg/m ³ ⑤ (Silicon dioxide, amorphous, respirable fraction)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 2 Nov 2022

Print date: 12 Apr 2023

Version: 1.4



GEOGROUT SEAL A-Komponente

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
IE	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 6 mg/m ³ ⑤ (Silicon dioxide, amorphous, inhalable fraction)
HR	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 2.4 mg/m ³ ⑤ (Kremena zemlja (amorfna) alveolarna frakcija)
HR	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 6 mg/m ³ ⑤ (Kremena zemlja (amorfna) respirabilna frakcija)
SI	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 4 mg/m ³ ⑤ (frakcija ki jo je mogoče vdihniti) Y
BG from 17 Jan 2020	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 0.07 mg/m ³ ⑤ (Силициев диоксид свободен, аморфен, синтетичен от кон-дензационни и електротер- мични процеси; алвеоларна фракция)
BG from 17 Jan 2020	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 1 mg/m ³ ⑤ (Силициев диоксид свободен, аморфен и криптокристален, от природни утаечни процеси; алвеоларна фракция)
BG from 17 Jan 2020	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 4 mg/m ³ ⑤ (Силициев диоксид свободен, аморфен и криптокристален, от природни утаечни процеси; фракция, която може да бъде вдишана)
BG from 17 Jan 2020	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 10 mg/m ³ ⑤ (Силициев диоксид свободен, аморфен, синтетичен, от утаечни процеси (силикагел); фракция, която може да бъде вдишана)
NO	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 1.5 mg/m ³ ⑤ (alveolar fraksjon)
MAK (AT)	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 4 mg/m ³ ⑤ (einatembare Fraktion)
IDLH (US) from 1 Jan 1994	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 3,000 mg/m ³
OSHA (US)	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 80 mg/m ³ ⑤ (total dust)
OSHA (US)	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 20 mppcf
NIOSH (US)	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 6 mg/m ³
TRGS 900 (DE)	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 4 mg/m ³ ⑤ (einatembare Fraktion) DFG, 2, Y
MAK (AT)	2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6	① 0.05 mg/m ³ ⑤ Sh

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 2 Nov 2022

Print date: 12 Apr 2023

Version: 1.4



GEOGROUT SEAL A-Komponente

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
DFG (DE) from 1 Jul 2019	2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6	① 0.2 mg/m ³ ② 0.4 mg/m ³ ⑤ (einatembare Fraktion) SH
DFG (DE)	2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6	① 0.2 mg/m ³ ② 0.4 mg/m ³ ⑤ einatembare Fraktion (Reaktionsgemisch, bestehend aus 5-Chlor-2-methyl-2H-isothiazol-3-on und 2-Methyl-2H-isothiazol-3-on (3:1)) Sh

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection

Skin protection:

Tested protective gloves must be worn EN ISO 374 Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:

Avoid breathing vapours. Avoid breathing spray.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: not determined

Odour: odourless

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	9.2 - 9.7		
Melting point	0 °C		
Freezing point	<i>not determined</i>		
Initial boiling point and boiling range	100 °C		
Decomposition temperature	<i>not determined</i>		
Flash point	<i>not determined</i>		
Evaporation rate	<i>not determined</i>		
Auto-ignition temperature	<i>not determined</i>		
Upper/lower flammability or explosive limits	<i>not determined</i>		

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 2 Nov 2022

Print date: 12 Apr 2023

Version: 1.4



GEOGROUT SEAL A-Komponente

Parameter	Value	at °C	① Method ② Remark
Vapour pressure	≈ 23 hPa	20 °C	
Vapour density	<i>not determined</i>		
Density	<i>not determined</i>		
Relative density	1.3		
Bulk density	<i>not determined</i>		
Water solubility	<i>not determined</i>		
Partition coefficient: n-octanol/water	<i>not determined</i>		
Dynamic viscosity	< 15 mPa* s		
Kinematic viscosity	<i>not determined</i>		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Measures to prevent aerosol and dust generation

10.5. Incompatible materials

copper Steel Aluminium

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6

LD₅₀ oral: 120 mg/kg (Rat) EPA OPPTS 870.1100

LD₅₀ dermal: 242 mg/kg (Rat) OECD 402

LC₅₀ Acute inhalation toxicity (dust/mist): 0.11 mg/L 4 h OECD 403

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation 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 sensitisation:

May cause an allergic skin reaction.

Germ cell mutagenicity:

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 2 Nov 2022

Print date: 12 Apr 2023

Version: 1.4



GEOGROUT SEAL A-Komponente

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.

Additional information:

No data available

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6
--

LC₅₀ : 4.77 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i> (Rainbow trout))

EC₅₀ : 0.681 mg/L 2 d (crustaceans)

EC₅₀ : 0.072 mg/L 3 d (Algae/water plant) OECD 201
--

12.2. Persistence and degradability

2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6
--

Biodegradation: Yes, rapidly

Remark: Verteilungskoeffizient: n-Octanol/Wasser(log Pow): -0,75 Gemessen
--

12.3. Bioaccumulative potential

2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6
--

Log K_{ow}: < 3

Bioconcentration factor (BCF): < 100

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6
--

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 2 Nov 2022

Print date: 12 Apr 2023

Version: 1.4



GEOGROUT SEAL A-Komponente

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

 [DE] National regulations

Water hazard class

WGK:

nwg - nicht wassergefährdend

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 2 Nov 2022

Print date: 12 Apr 2023

Version: 1.4



GEOGROUT SEAL A-Komponente

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Supplemental hazard information	
EUH071	Corrosive to the respiratory tract.

16.6. Training advice

No data available

16.7. Additional information

No data available