

SAFETY DATA SHEET

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

Revision date: 8 Nov 2021

Print date: 12 Apr 2023

Version: 2.1



PSGi GEOGROUT 3 B10_B20_B30-Komponente

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

1.1. Product identifier

Trade name/designation:

PSGi GEOGROUT 3 B10_B20_B30-Komponente

UFI:

08XH-WCS4-M5S5-VF5R

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 |
|--|--|--------------------------|
| Oxidising solids (<i>Ox. Sol. 3</i>) | H272: May intensify fire; oxidiser. | On basis of test data. |
| Acute toxicity (oral) (<i>Acute Tox. 4</i>) | H302: Harmful if swallowed. | Calculation method. |
| Skin corrosion/irritation (<i>Skin Irrit. 2</i>) | H315: Causes skin irritation. | Calculation method. |
| Respiratory or skin sensitisation (<i>Skin Sens. 1</i>) | H317: May cause an allergic skin reaction. | Calculation method. |
| Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>) | H319: Causes serious eye irritation. | Calculation method. |
| Respiratory or skin sensitisation (<i>Resp. Sens. 1</i>) | H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. | Calculation method. |
| STOT-single exposure (<i>STOT SE 3</i>) | H335: May cause respiratory irritation. | Calculation method. |

Additional information:

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SAFETY DATA SHEET

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

Revision date: 8 Nov 2021

Print date: 12 Apr 2023

Version: 2.1

TPH.
waterproofing systems

PSGi GEOGROUT 3 B10_B20_B30-Komponente

2.2. Label elements

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

Hazard pictograms:



GHS03

Flame over circle



GHS07

Exclamation mark



GHS08

Health hazard

Signal word: Danger

Hazard components for labelling:

disodium peroxodisulphate

Hazard statements for physical hazards

| | |
|------|-------------------------------|
| H272 | May intensify fire; oxidiser. |
|------|-------------------------------|

Hazard statements for health hazards

| | |
|------|-----------------------|
| H302 | Harmful if swallowed. |
|------|-----------------------|

| | |
|------|-------------------------|
| H315 | Causes skin irritation. |
|------|-------------------------|

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

| | |
|------|--------------------------------|
| H319 | Causes serious eye irritation. |
|------|--------------------------------|

| | |
|------|--|
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
|------|--|

| | |
|------|-----------------------------------|
| H335 | May cause respiratory irritation. |
|------|-----------------------------------|

Supplemental hazard information

| | |
|--------|---|
| EUH208 | Contains disodium peroxodisulphate. May produce an allergic reaction. |
|--------|---|

Precautionary statements Prevention

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

| | |
|------|---|
| P270 | Do not eat, drink or smoke when using this product. |
|------|---|

| | |
|------|--|
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
|------|--|

Precautionary statements Response

| | |
|-------------|---|
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
|-------------|---|

| | |
|-------------|--|
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
|-------------|--|

| | |
|--------------------|--|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
|--------------------|--|

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.: 7775-27-1 EC No.: 231-892-1 | disodium peroxodisulphate Acute Tox. 4 (H302), Eye Irrit. 2 (H319), Ox. Sol. 3 (H272), Resp. Sens. 1 (H334), STOT SE 3 (H335), Skin Irrit. 2 (H315), Skin Sens. 1 (H317) Danger | 50 - 100 weight-% |

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

SAFETY DATA SHEET

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

Revision date: 8 Nov 2021

Print date: 12 Apr 2023

Version: 2.1



PSGi GEOGROUT 3 B10_B20_B30-Komponente

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. If breathing is irregular or stopped, administer artificial respiration. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Get immediate medical advice/attention. Get medical advice/attention if you feel unwell.

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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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. No direct artificial respiration to be given by first aider.

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

Skin corrosion/irritation Allergic reactions Serious eye damage/eye irritation Asthmatic complaints Respiratory complaints Irritation to respiratory tract

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:

Foam Carbon dioxide (CO₂) Water mist

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.

SAFETY DATA SHEET

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

Revision date: 8 Nov 2021

Print date: 12 Apr 2023

Version: 2.1



PSGi GEOGROUT 3 B10_B20_B30-Komponente

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.

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:

Collect spillage. Measures to prevent aerosol and dust generation Wet clean or vacuum up solids.

For cleaning up:

Water (with cleaning agent)

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.

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).

Measures to prevent aerosol and dust generation:

Dust should be exhausted directly at the point of origin.

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.

Storage class (TRGS 510, Germany): 5.1B - Oxidising substances

7.3. Specific end use(s)

No data available

SAFETY DATA SHEET

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

Revision date: 8 Nov 2021

Print date: 12 Apr 2023

Version: 2.1



PSGi GEOGROUT 3 B10_B20_B30-Komponente

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 |
|--------------------------------------|---|--|
| BE | disodium peroxodisulphate CAS No.: 7775-27-1 EC No.: 231-892-1 | ① 0.1 mg/m ³ ⑤ (persulfate de) |
| IE | disodium peroxodisulphate CAS No.: 7775-27-1 EC No.: 231-892-1 | ① 0.1 mg/m ³ ⑤ Sens |
| ES | disodium peroxodisulphate CAS No.: 7775-27-1 EC No.: 231-892-1 | ① 0.1 mg/m ³ |
| Alberta (CA) | disodium peroxodisulphate CAS No.: 7775-27-1 EC No.: 231-892-1 | ① 0.1 mg/m ³ ⑤ 3 |
| MY from 1 Jan 2000 | disodium peroxodisulphate CAS No.: 7775-27-1 EC No.: 231-892-1 | ① 0.1 mg/m ³ |
| IS | disodium peroxodisulphate CAS No.: 7775-27-1 EC No.: 231-892-1 | ① 2 mg/m ³ |
| DK from 13 Feb 2021 | disodium peroxodisulphate CAS No.: 7775-27-1 EC No.: 231-892-1 | ① 2 mg/m ³ ② 4 mg/m ³ |

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 EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min
In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection:

Particle filter device (EN 143)

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: solid

Colour: light yellow

SAFETY DATA SHEET

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

Revision date: 8 Nov 2021

Print date: 12 Apr 2023

Version: 2.1



PSGi GEOGROUT 3 B10_B20_B30-Komponente

Odour: odourless

Safety relevant basis data

| Parameter | Value | at °C | ① Method ② Remark |
|--|------------------------|-------|----------------------|
| pH | ≈ 4.3 | 20 °C | ② 10 g/l |
| Melting point | > 180 °C | | |
| Freezing point | not determined | | |
| Initial boiling point and boiling range | not applicable | | |
| Decomposition temperature | not determined | | |
| Flash point | not determined | | |
| Evaporation rate | not determined | | |
| Auto-ignition temperature | not determined | | |
| Upper/lower flammability or explosive limits | not determined | | |
| Vapour pressure | not determined | | |
| Vapour density | not determined | | |
| Density | 2.59 g/cm ³ | 20 °C | |
| Relative density | not determined | | |
| Bulk density | not determined | | |
| Water solubility | easily soluble | 20 °C | |
| Partition coefficient: n-octanol/water | not determined | | |
| Dynamic viscosity | not determined | | |
| Kinematic viscosity | not determined | | |

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

May intensify fire; oxidiser.

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Acids Alkali (lye) Reducing agent

10.6. Hazardous decomposition products

Sulphur trioxide Sulphur oxides sulphuric acid Oxygen

SECTION 11: Toxicological information

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

| |
|--|
| disodium peroxodisulphate CAS No.: 7775-27-1 EC No.: 231-892-1 |
| LD₅₀ oral: 700 mg/kg (Rat) OECD 401 |
| LD₅₀ dermal: >2,000 mg/kg (Rat) |
| LC₅₀ Acute inhalation toxicity (dust/mist): >5.1 mg/L 4 h (Rat) OECD 403 |

Acute oral toxicity:

Harmful if swallowed.

SAFETY DATA SHEET

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

Revision date: 8 Nov 2021

Print date: 12 Apr 2023

Version: 2.1



PSGi GEOGROUT 3 B10_B20_B30-Komponente

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:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Contains disodium peroxodisulphate. May produce an allergic reaction.

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:

May cause respiratory irritation.

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

| |
|---|
| disodium peroxodisulphate CAS No.: 7775-27-1 EC No.: 231-892-1 |
|---|

| |
|---|
| LC₅₀ : 76.3 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i> (Rainbow trout)) |
|---|

| |
|--|
| EC₅₀ : 120 mg/L 2 d (<i>Daphnia pulex</i> (water flea)) |
|--|

| |
|---|
| EC₅₀ : 83.7 mg/L 3 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i>) |
|---|

12.2. Persistence and degradability

| |
|---|
| disodium peroxodisulphate CAS No.: 7775-27-1 EC No.: 231-892-1 |
|---|

| |
|---------------------------------------|
| Biodegradation: not determined |
|---------------------------------------|

| |
|--|
| Remark: The study does not need to be conducted because the substance is inorganic. |
|--|

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

| |
|---|
| disodium peroxodisulphate CAS No.: 7775-27-1 EC No.: 231-892-1 |
|---|

| |
|--|
| Results of PBT and vPvB assessment: — |
|--|

12.6. Endocrine disrupting properties

No data available

SAFETY DATA SHEET

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

Revision date: 8 Nov 2021

Print date: 12 Apr 2023

Version: 2.1



PSGi GEOGROUT 3 B10_B20_B30-Komponente

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations





13.1. Waste treatment methods

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

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 | | | |
| UN 1505 | UN 1505 | UN 1505 | UN 1505 |
| 14.2. UN proper shipping name | | | |
| SODIUM PERSULPHATE | SODIUM PERSULPHATE | SODIUM PERSULPHATE | SODIUM PERSULPHATE |
| 14.3. Transport hazard class(es) | | | |
|  5.1 |  5.1 |  5.1 |  5.1 |
| 14.4. Packing group | | | |
| III | III | III | III |
| 14.5. Environmental hazards | | | |
| No | No | No | No |
| 14.6. Special precautions for user | | | |
| Limited quantity (LQ): 5 kg Excepted Quantities (EQ): E1 Hazard identification number (Kemler No.): 50 Classification code: O2 Tunnel restriction code: (E) | Limited quantity (LQ): 5 kg Excepted Quantities (EQ): E1 Classification code: O2 | Special Provisions: - Limited quantity (LQ): 5 kg Excepted Quantities (EQ): E1 EmS-No.: F-A, S-Q | Limited quantity (LQ): Y546 Excepted Quantities (EQ): E1 |

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:

2 - deutlich wassergefährdend

SAFETY DATA SHEET

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

Revision date: 8 Nov 2021

Print date: 12 Apr 2023

Version: 2.1



PSGi GEOGROUT 3 B10_B20_B30-Komponente

Other regulations, restrictions and prohibition regulations

ZH 1/118 "Umgang mit gesundheitsgefährlichen Stoffen (für den Beschäftigten) (M 050)"

MAL-kode (Denmark): 3-5

ZH 1/129 "Merkblatt: Reizende Stoffe/Ätzende Stoffe (M 004)"

[DK] National regulations

Other regulations, restrictions and prohibition regulations

MAL-kode (Denmark): 3-5

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 |
|--|--|--------------------------|
| Oxidising solids (<i>Ox. Sol. 3</i>) | H272: May intensify fire; oxidiser. | On basis of test data. |
| Acute toxicity (oral) (<i>Acute Tox. 4</i>) | H302: Harmful if swallowed. | Calculation method. |
| Skin corrosion/irritation (<i>Skin Irrit. 2</i>) | H315: Causes skin irritation. | Calculation method. |
| Respiratory or skin sensitisation (<i>Skin Sens. 1</i>) | H317: May cause an allergic skin reaction. | Calculation method. |
| Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>) | H319: Causes serious eye irritation. | Calculation method. |
| Respiratory or skin sensitisation (<i>Resp. Sens. 1</i>) | H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. | Calculation method. |
| STOT-single exposure (<i>STOT SE 3</i>) | H335: May cause respiratory irritation. | Calculation method. |

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

| Hazard statements | |
|-------------------|--|
| H272 | May intensify fire; oxidiser. |
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335 | May cause respiratory irritation. |

16.6. Training advice

No data available

16.7. Additional information

No data available