1.1. Product identifier
Tiefengrund

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

1.3. Details of the supplier of the safety data sheet
Company name: CLAYTEC GmbH & Co. KG
Peter Breidenbach
Street: Nettetaler Straße 113-117
Place: D-41751 Viersen
e-mail (Contact person): service@claytec.com
Internet: claytec.de

1.4. Emergency telephone number: +49 2153 918-0 (Only available during office hours.)

2.1. Classification of the substance or mixture
GB CLP Regulation
This mixture is not classified as hazardous in accordance with GB CLP Regulation.

2.2. Label elements
GB CLP Regulation
Special labelling of certain mixtures
EUEH208 Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one, reaction mass of 5 -chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

2.3. Other hazards
No information available.

3.2. Mixtures
Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
<th>GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1312-76-1</td>
<td>silicic acid, potassium salt MR &gt; 3,9</td>
<td>5 - &lt; 10 %</td>
<td>Skin Irrit. 2, Eye Irrit. 2; H315 H319</td>
</tr>
<tr>
<td>2634-33-5</td>
<td>1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one</td>
<td>&lt; 0.1 %</td>
<td>Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1; H302 H315 H318 H317 H400</td>
</tr>
<tr>
<td>55965-84-9</td>
<td>reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</td>
<td>&lt; 0.1 %</td>
<td>Acute Tox. 2, Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H310 H301 H314 H318 H317 H400 H410 EUH071</td>
</tr>
</tbody>
</table>

Specific Conc. Limits, M-factors and ATE

<table>
<thead>
<tr>
<th>CAS No</th>
<th>EC No</th>
<th>Chemical name</th>
<th>Quantity</th>
<th>Specific Conc. Limits, M-factors and ATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1312-76-1</td>
<td>215-199-1</td>
<td>silicic acid, potassium salt MR &gt; 3,9</td>
<td>5 - &lt; 10 %</td>
<td>oral: LD50 = &gt; 2000 mg/kg</td>
</tr>
<tr>
<td>2634-33-5</td>
<td>220-120-9</td>
<td>1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one</td>
<td>&lt; 0.1 %</td>
<td>dermal: LD50 = &gt; 5000 mg/kg; oral: LD50 = 670 mg/kg</td>
</tr>
<tr>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</td>
<td>&lt; 0.1 %</td>
<td>inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: ATE = 50 mg/kg; oral: ATE = 100 mg/kg</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

**General information**
When in doubt or if symptoms are observed, get medical advice.

**After inhalation**
Provide fresh air. When in doubt or if symptoms are observed, get medical advice. If experiencing respiratory symptoms: Get medical advice/attention.

**After contact with skin**
Wash with plenty of water. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.

**After contact with eyes**
Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. Protect uninjured eye.

**After ingestion**
Rinse mouth immediately and drink 1 glass of water. Rinse mouth. Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.
4.2. Most important symptoms and effects, both acute and delayed
No information available.

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.

5.2. Special hazards arising from the substance or mixture
Non-flammable.
In case of fire may be liberated: Pyrolysis products, toxic

5.3. Advice for firefighters
In case of fire: Wear self-contained breathing apparatus. Chemical protection clothing.

Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Knock down dust with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Use personal protection equipment.

6.2. Environmental precautions
Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections
Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advice on safe handling
Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Use personal protection equipment.

Advice on protection against fire and explosion
Usual measures for fire prevention.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep container tightly closed. Store in a cool dry place.

Hints on joint storage
Do not store together with: Food and feedingstuffs.

Further information on storage conditions
Protect against: frost.

7.3. Specific end use(s)
Primers
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

**Exposure limits (EH40)**

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>fibres/ml</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>Silica, amorphous, inhalable dust</td>
<td>-</td>
<td>6</td>
<td>-</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td>1310-73-2</td>
<td>Sodium hydroxide</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
</tbody>
</table>

**DNEL/DMEL values**

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>DNEL type</th>
<th>Exposure route</th>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1312-76-1</td>
<td>silicic acid, potassium salt MR &gt; 3,9</td>
<td>Worker</td>
<td>inhalation</td>
<td>systemic</td>
<td>5,61 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker</td>
<td>dermal</td>
<td>systemic</td>
<td>1,49 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer</td>
<td>oral</td>
<td>systemic</td>
<td>0,74 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer</td>
<td>inhalation</td>
<td>systemic</td>
<td>1,38 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>dermal</td>
<td>systemic</td>
<td>0,74 mg/kg bw/day</td>
</tr>
</tbody>
</table>

**PNEC values**

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>Environmental compartment</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1312-76-1</td>
<td>silicic acid, potassium salt MR &gt; 3,9</td>
<td>Freshwater</td>
<td>7,5 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater (intermittent releases)</td>
<td>7,5 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water</td>
<td>1 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>348 mg/l</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls
If handled uncovered, arrangements with local exhaust ventilation have to be used.

Protective and hygiene measures
Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Keep away from food, drink and animal feedingstuffs. Do not breathe gas/fumes/vapour/spray.

Eye/face protection
Wear eye protection/face protection. (DIN EN 166)

Hand protection
Wear suitable gloves tested to EN374.
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection
Use of protective clothing.
Respiratory protection
In case of inadequate ventilation wear respiratory protection.
Respiratory protection necessary at: exceeding exposure limit values.

Environmental exposure controls
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid (Dispersion)</td>
</tr>
<tr>
<td>Colour</td>
<td>yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>not determined</td>
</tr>
<tr>
<td>pH-value</td>
<td>not determined</td>
</tr>
</tbody>
</table>

Changes in the physical state

- Melting point/freezing point: not determined
- Boiling point or initial boiling point and boiling range: not determined
- Flash point: nicht anwendbar

Flammability

- Solid: nicht anwendbar
- Gas: nicht anwendbar

Explosive properties
The product is not: Explosive.

- Lower explosion limits: not determined
- Upper explosion limits: not determined
- Auto-ignition temperature: not determined

Self-ignition temperature

- Solid: nicht anwendbar
- Gas: nicht anwendbar

Decomposition temperature: not determined

Oxidizing properties
The product is not: oxidising.

- Vapour pressure: not determined
- Density: not determined
- Water solubility: partially miscible

Solubility in other solvents
not determined

- Partition coefficient n-octanol/water: not determined
- Viscosity / dynamic: not determined
- Viscosity / kinematic: not determined
- Relative vapour density: not determined
- Evaporation rate: not determined

9.2. Other information
No information available.
SECTION 10: Stability and reactivity

10.1. Reactivity
No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability
The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions
No known hazardous reactions.

10.4. Conditions to avoid
frost.

10.5. Incompatible materials
No information available.

10.6. Hazardous decomposition products
In case of fire may be liberated: Pyrolysis products, toxic

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure route</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1312-76-1</td>
<td>silicic acid, potassium salt MR &gt; 3,9</td>
<td>oral</td>
<td>LD50</td>
<td>&gt; 2000</td>
<td>Rat</td>
<td>Manufacturer</td>
</tr>
<tr>
<td>2634-33-5</td>
<td>1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one</td>
<td>oral</td>
<td>LD50</td>
<td>670</td>
<td>Rat</td>
<td>Manufacturer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>&gt; 5000</td>
<td>Rat</td>
<td>Manufacturer</td>
</tr>
<tr>
<td>55965-84-9</td>
<td>reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</td>
<td>oral</td>
<td>ATE</td>
<td>100</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>ATE</td>
<td>50 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalation vapour</td>
<td>ATE</td>
<td>0,5 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalation aerosol</td>
<td>ATE</td>
<td>0,05 mg/l</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Sensitising effects
Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one, reaction mass of
5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic
reaction.

Carcinogenic/mutagenic/toxic effects for reproduction
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.

Practical experience

Other observations
No information available.

SECTION 12: Ecological information

12.1. Toxicity
The product is not: Ecotoxic.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Aquatic toxicity</th>
<th>Dose</th>
<th>[h]</th>
<th>[d]</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1312-76-1</td>
<td>silicic acid, potassium salt MR &gt; 3,9</td>
<td>Acute fish toxicity</td>
<td>LC50 &gt; 100</td>
<td>96 h</td>
<td>piscis</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
The product has not been tested.

12.3. Bioaccumulative potential
The product has not been tested.

Partition coefficient n-octanol/water

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>2834-33-5</td>
<td>1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one</td>
<td>1.3</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
The product has not been tested.

12.5. Results of PBT and vPvB assessment
The product has not been tested.

12.6. Other adverse effects
No information available.

Further information
Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations
Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging
Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.
Safety Data Sheet
according to UK REACH Regulation

CLAYTEC GmbH & Co. KG

Revision date: 11.05.2021 Page 8 of 9

14.1. UN number:
No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:
No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):
No dangerous good in sense of this transport regulation.

14.4. Packing group:
No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:
No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:
No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):
No dangerous good in sense of this transport regulation.

14.4. Packing group:
No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:
No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:
No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):
No dangerous good in sense of this transport regulation.

14.4. Packing group:

14.5. Environmental hazards
ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user
No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
not applicable

SECTION 15: Regulatory information

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

EU regulatory information
2004/42/EC (VOC): < 0,01 %
Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information
Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms
CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
Safety Data Sheet

according to UK REACH Regulation

Tiefengrund

Revision date: 11.05.2021

EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(Relative Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Regulations concerning the international carriage of dangerous goods by rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
IMDG: International Maritime Code for Dangerous Goods
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
For abbreviations and acronyms, see table at http://abbrev.esdscom.eu

Relevant H and EUH statements (number and full text)

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH071 Corrosive to the respiratory tract.
EUH208 Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)