SAFETY DATA SHEET


SILL580/SILL58S

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

1.1 Product identifier:

Product name : SILL580/SILL58S
Registration number REACH : Not applicable (mixture)
Product type REACH : Mixture

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

1.2.1 Relevant identified uses
- Binding agent
- Coating
- Paint
- Surface treatment product

1.2.2 Uses advised against
No uses advised against known

1.3 Details of the supplier of the safety data sheet:

Supplier of the safety data sheet
SILMACO nv
Industrieweg 90
B-3620 Lanaken
☎ +32 89 73 02 22
☎ +32 89 72 27 24
info@silmaco.com

1.4 Emergency telephone number:
During business hours, 8:00-17:00:
+32 89 73 02 22

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Class</th>
<th>Category</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irrit.</td>
<td>category 2</td>
<td>H315: Causes skin irritation.</td>
</tr>
<tr>
<td>Eye Dam.</td>
<td>category 1</td>
<td>H318: Causes serious eye damage.</td>
</tr>
</tbody>
</table>

2.2 Label elements:

Contains: Lithium hydroxide, monohydrate.

Signal word Danger

H-statements
- H315: Causes skin irritation.
- H318: Causes serious eye damage.

P-statements
- P280: Wear protective gloves, protective clothing and eye protection/face protection.
- P264: Wash hands thoroughly after handling.
- P302 + P352: IF ON SKIN: Wash with plenty of water and soap.
- P332 + P313: If skin irritation occurs: Get medical advice/attention.
- P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310: Immediately call a POISON CENTER/doctor.

2.3 Other hazards:
No other hazards known
SECTION 3: Composition/information on ingredients

3.1 Substances:
Not applicable

3.2 Mixtures:

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No</th>
<th>Conc. (C)</th>
<th>Classification according to CLP</th>
<th>Note</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>7631-86-9</td>
<td>15%&lt;C&lt;25%</td>
<td></td>
<td>(2)</td>
<td>Constituent</td>
</tr>
<tr>
<td>01-2119379499-16-xxxx</td>
<td>231-545-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lithium hydroxide, monohydrate</td>
<td>1310-66-3</td>
<td>1%&lt;C&lt;5%</td>
<td>Acute Tox. 4; H302</td>
<td>(1)(2)</td>
<td>Constituent</td>
</tr>
<tr>
<td>01-2119560576-31-xxxx</td>
<td></td>
<td></td>
<td>Skin Corr. 1B; H314</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(1) For H-statements in full: see heading 16
(2) Sub stance with a Community workplace exposure limit

SECTION 4: First aid measures

4.1 Description of first aid measures:

General:

After inhalation:
Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:
Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.

After eye contact:
Rinse immediately with plenty of water for 15 minutes. Do not apply neutralizing agents. Take victim to an ophthalmologist.

After ingestion:
Rinse mouth with water. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

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

4.2.1 Acute symptoms
After inhalation:
No effects known.

After skin contact:
Tingling/irritation of the skin.

After eye contact:
Corrosion of the eye tissue.

After ingestion:

4.2.2 Delayed symptoms
No effects known.

4.3 Indication of any immediate medical attention and special treatment needed:
If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

5.1.1 Suitable extinguishing media:
Adapt extinguishing media to the environment.

5.1.2 Unsuitable extinguishing media:
No unsuitable extinguishing media known.

5.2 Special hazards arising from the substance or mixture:

5.3 Advice for firefighters:

5.3.1 Instructions:
Dilute toxic gases with water spray. Take account of toxic/corrosive precipitation water.

5.3.2 Special protective equipment for fire-fighters:

Publication date: 2018-04-25

Revision number: 0000

Product number: 56306
SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

No naked flames.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Face-shield. Protective clothing.

Suitable protective clothing

See heading 8.2

6.2 Environmental precautions:

Contain released substance, pump into suitable containers.

6.3 Methods and material for containment and cleaning up:

Take up liquid spill into absorbent material, e.g.: sand. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

6.4 Reference to other sections:

See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1 Precautions for safe handling:

Keep away from naked flames/heat. Observe normal hygiene standards. Keep container tightly closed. Do not discharge the waste into the drain.

7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 Safe storage requirements:

Storage temperature: <50 °C. Protect against frost. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, (strong) acids, metals.

7.2.3 Suitable packaging material:

Steel, HDPE.

7.2.4 Non suitable packaging material:

Zinc, tin, aluminium, copper.

7.3 Specific end use(s):

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

<table>
<thead>
<tr>
<th>Country</th>
<th>Substance Description</th>
<th>Exposure Scenarios</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>Silices amorphes : silice fondue SiO2 (poussières alvéolaires)</td>
<td>Time-weighted average exposure limit 8 h</td>
<td>0.1 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Silices amorphes : terre de diatomées, non calcinées (fraction inhalable)</td>
<td>Time-weighted average exposure limit 8 h</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Silices amorphes : fumées (fraction alvéolaire)</td>
<td>Time-weighted average exposure limit 8 h</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Germany</td>
<td>Kieselsäuren, amorphe</td>
<td>Time-weighted average exposure limit 8 h (TRGS 900)</td>
<td>4 mg/m³</td>
</tr>
<tr>
<td>UK</td>
<td>Silica, amorphous inhalable dust</td>
<td>Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))</td>
<td>6 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Silica, amorphous respirable dust</td>
<td>Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))</td>
<td>2.4 mg/m³</td>
</tr>
</tbody>
</table>

b) National biological limit values

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

Publication date: 2018-04-25
8.1.3 Applicable limit values when using the substance or mixture as intended
If limit values are applicable and available these will be listed below.

8.1.4 DNEL/PNEC values

<table>
<thead>
<tr>
<th>Substance</th>
<th>DNEL/DMEL</th>
<th>Effect level</th>
<th>Type</th>
<th>Value</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>silicon dioxide</td>
<td>DNEL</td>
<td>Long-term systemic effects inhalation</td>
<td>4 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>lithium hydroxide, monohydrate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DNEL</td>
<td>Long-term systemic effects inhalation</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute systemic effects inhalation</td>
<td>30 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Long-term systemic effects dermal</td>
<td>41.35 mg/kg bw/day</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute systemic effects dermal</td>
<td>100 mg/kg bw/day</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DNEL - General population</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>lithium hydroxide, monohydrate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DNEL</td>
<td>Long-term systemic effects inhalation</td>
<td>6.21 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute systemic effects inhalation</td>
<td>18.63 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Long-term systemic effects dermal</td>
<td>41.35 mg/kg bw/day</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute systemic effects dermal</td>
<td>50 mg/kg bw/day</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Long-term systemic effects oral</td>
<td>4.13 mg/kg bw/day</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute systemic effects oral</td>
<td>12.4 mg/kg bw/day</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PNEC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>lithium hydroxide, monohydrate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fresh water</td>
<td>2.3 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water</td>
<td>0.23 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aqua (intermittent releases)</td>
<td>0.344 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STP</td>
<td>79.2 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fresh water sediment</td>
<td>9 mg/kg sediment dw</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water sediment</td>
<td>0.9 mg/kg sediment dw</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>0.45 mg/kg soil dw</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.1.5 Control banding
If applicable and available it will be listed below.

8.2 Exposure controls:
The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls
Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment
Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:
Respiratory protection not required in normal conditions.

b) Hand protection:
Gloves.
- materials (good resistance)
  PVC, latex, rubber.

c) Eye protection:
Face shield.

d) Skin protection:
Protective clothing.

8.2.3 Environmental exposure controls:
See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

<table>
<thead>
<tr>
<th>Physical form</th>
<th>Liquid</th>
</tr>
</thead>
</table>
Odour | Odourless
Odour threshold | No data available
Colour | Colourless
Particle size | Not applicable (liquid)
Explosion limits | No data available
Flammability | Non combustible
Log Kow | Not applicable (mixture)
Dynamic viscosity | 23 mPa.s
Kinematic viscosity | No data available
Melting point | 0 °C - 12 °C
Boiling point | 100 °C
Flash point | No data available
Evaporation rate | No data available
Relative vapour density | No data available
Vapour pressure | 23 hPa
Solubility | water ; soluble
Relative density | 1.1 - 1.3
Decomposition temperature | No data available
Auto-ignition temperature | Not required: exemption according to REACH
Explosive properties | No chemical group associated with explosive properties
Oxidising properties | No chemical group associated with oxidising properties
pH | 10 - 12 ; 1 %

9.2 Other information:

Absolute density | 1100 kg/m³ - 1300 kg/m³

SECTION 10: Stability and reactivity

10.1 Reactivity:
Substance has basic reaction.

10.2 Chemical stability:
No data available.

10.3 Possibility of hazardous reactions:
Reacts exothermically with (some) acids.

10.4 Conditions to avoid:
Keep away from naked flames/heat.

10.5 Incompatible materials:
(strong) acids, metals.

10.6 Hazardous decomposition products:
Reacts with (some) metals: release of highly flammable gases/vapours (hydrogen) with (increased) risk of fire/explosion.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

11.1.1 Test results

Acute toxicity

SILL580
No (test)data on the mixture available

Silicon dioxide

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Exposure time</th>
<th>Species</th>
<th>Value determination</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50</td>
<td></td>
<td>&gt; 10000 mg/kg</td>
<td></td>
<td>Rat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50</td>
<td></td>
<td>&gt; 5000 mg/kg</td>
<td></td>
<td>Rabbit</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Route of exposure** | **Parameter** | **Method** | **Value** | **Exposure time** | **Species** | **Value determination** | **Remark**
---|---|---|---|---|---|---|---
Oral | LD50 |  | 368 mg/kg bw |  | Rat (female) | Experimental value |  
Oral | LD50 |  | 493 mg/kg bw |  | Rat (male) | Experimental value |  
Dermal | LD50 | OECD 402 | > 2000 mg/kg bw |  | Rat (male/female) | Read-across |  
Inhalation (dust) | LC50 | OECD 403 | > 6.15 mg/l | 4 h | Rat (male/female) | Experimental value |  

Judgement is based on the relevant ingredients

**Conclusion**
Not classified for acute toxicity

**Corrosion/irritation**

**SILL580**
No (test)data on the mixture available

**lithium hydroxide, monohydrate**

| Route of exposure | Result | Method | Exposure time | Time point | Species | Value determination | Remark |
---|---|---|---|---|---|---|---
Eye | Serious eye damage; category 1 | Literature study |  |  |  |  |  
Not applicable (in vitro test) | Corrosive | Experimental value |  |  |  |  |  

Classification is based on the relevant ingredients

**Conclusion**
Causes skin irritation.
Causes serious eye damage.
Not classified as irritating to the respiratory system

**Respiratory or skin sensitisation**

**SILL580**
No (test)data on the mixture available

**lithium hydroxide, monohydrate**

| Route of exposure | Result | Method | Exposure time | Observation time point | Species | Value determination | Remark |
---|---|---|---|---|---|---|---
Skin | Not sensitizing | OECD 406 |  |  | Guinea pig (male/female) | Read-across |  

Judgement is based on the relevant ingredients

**Conclusion**
Not classified as sensitizing for skin
Not classified as sensitizing for inhalation

**Specific target organ toxicity**

**SILL580**
No (test)data on the mixture available

**lithium hydroxide, monohydrate**

| Route of exposure | Parameter | Method | Value | Organ | Effect | Exposure time | Species | Value determination |
---|---|---|---|---|---|---|---|---|
Oral | NOAEL | 84 mg/kg bw/day | No effect | 2 year(s) | Rat (female) | Read-across |  

Judgement is based on the relevant ingredients

**Conclusion**
Not classified for subchronic toxicity

**Mutagenicity (in vitro)**

**SILL580**
No (test)data on the mixture available

**lithium hydroxide, monohydrate**

| Result | Method | Test substrate | Effect | Value determination |
---|---|---|---|---|
Negative | OECD 473 | Human lymphocytes | No effect | Experimental value |
Negative | OECD 476 | Mouse (lymphoma L5178Y cells) | No effect | Experimental value |
Negative | OECD 471 | Bacteria (S. typhimurium) | No effect | Experimental value |

**Publication date:** 2018-04-25
Mutagenicity (in vivo)

**SILL580**

No (test)data on the mixture available

Carcinogenicity

**SILL580**

No (test)data on the mixture available

Reproductive toxicity

**SILL580**

No (test)data on the mixture available

**Lithium hydroxide, monohydrate**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Exposure time</th>
<th>Species</th>
<th>Effect</th>
<th>Organ</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developmental toxicity</td>
<td>NOAEL (P)</td>
<td>OECD 414</td>
<td>34.1 mg/kg bw/day</td>
<td>2 weeks (daily)</td>
<td>Rat (female)</td>
<td>Maternal toxicity</td>
<td>Read-across</td>
</tr>
<tr>
<td>Developmental toxicity</td>
<td>NOAEL (F1)</td>
<td>OECD 414</td>
<td>102 mg/kg bw/day</td>
<td>2 weeks (daily)</td>
<td>Rat (male/female)</td>
<td>Embryotoxicity</td>
<td>Read-across</td>
</tr>
</tbody>
</table>

Judgement is based on the relevant ingredients

**Conclusion CMR**

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

**SILL580**

No (test)data on the mixture available

Chronic effects from short and long-term exposure

**SILL580**

No effects known.

**SECTION 12: Ecological information**

**12.1 Toxicity:**

**SILL580**

No (test)data on the mixture available

**Silicon dioxide**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Duration</th>
<th>Species</th>
<th>Test design</th>
<th>Fresh/salt water</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity fishes</td>
<td>LC50</td>
<td>&gt; 10000 mg/l</td>
<td>96 h</td>
<td>Brachydanio rerio</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute toxicity invertebrates</td>
<td>EC50</td>
<td>&gt; 10000 mg/l</td>
<td>24 h</td>
<td>Daphnia magna</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toxicity algae and other aquatic plants</td>
<td>EC50</td>
<td>440 mg/l</td>
<td>72 h</td>
<td>Selenastrum capricornutum</td>
<td></td>
<td></td>
<td>Growth rate</td>
</tr>
</tbody>
</table>
**Parameter** | **Method** | **Value** | **Duration** | **Species** | **Test design** | **Fresh/salt water** | **Value determination**
--- | --- | --- | --- | --- | --- | --- | ---
Acute toxicity fishes | LC50 OECD 203 | 109 mg/l | 96 h | Danio rerio | Static system | Fresh water | Experimental value; Lethal
Acute toxicity invertebrates | EC50 OECD 202 | 33.5 mg/l | 48 h | Daphnia magna | Static system | Fresh water | Calculated value; pH > 7
Toxicity algae and other aquatic plants | EC50 OECD 201 | 41.62 mg/l | 72 h | Pseudokirchneriella subcapitata | Static system | Fresh water | Experimental value; Biomass
Toxicity algae and other aquatic plants | EC50 OECD 201 | 153.44 mg/l | 72 h | Pseudokirchneriella subcapitata | Static system | Fresh water | Experimental value; Growth rate
Long-term toxicity fish | NOEC EPA OTS 797.1000 | 1.19 mg/l | 26 day(s) | Pimephales promelas | Flow-through system | Fresh water | Calculated value
Long-term toxicity invertebrates | NOEC OECD 211 | 4 mg/l | 21 day(s) | Daphnia magna | Semi-static system | Fresh water | Experimental value; Reproduction
Long-term toxicity aquatic invertebrates | LOEC OECD 211 | 0.8 mg/l | 21 day(s) | Daphnia magna | Semi-static system | Fresh water | Experimental value; Reproduction
Toxicity aquatic micro-organisms | EC10 OECD 209 | 138.8 mg/l | 3 h | Activated sludge | Static system | Fresh water | Calculated value

Judgement of the mixture is based on the relevant ingredients

**Conclusion**

pH shift

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

**12.2 Persistence and degradability:**

Biodegradability: not applicable

**12.3 Bioaccumulative potential:**

**SILL580**

<table>
<thead>
<tr>
<th>Method</th>
<th>Remark</th>
<th>Value</th>
<th>Temperature</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable (mixture)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**silicon dioxide**

<table>
<thead>
<tr>
<th>Method</th>
<th>Remark</th>
<th>Value</th>
<th>Temperature</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**lithium hydroxide, monohydrate**

<table>
<thead>
<tr>
<th>Method</th>
<th>Remark</th>
<th>Value</th>
<th>Temperature</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Conclusion**

Not bioaccumulative

**12.4 Mobility in soil:**

No (test)data on mobility of the components available

**12.5 Results of PBT and vPvB assessment:**

The criteria of PBT and vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006 do not apply to inorganic substances.

**12.6 Other adverse effects:**

**SILL580**

Global warming potential (GWP)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

**Ground water**

Ground water pollutant
### SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

**13.1 Waste treatment methods:**

- **13.1.1 Provisions relating to waste**
  
  
  06 02 99 (wastes from the MFSU of bases: wastes not otherwise specified). Depending on branch of industry and production process, also other waste codes may be applicable. Can be considered as non hazardous waste according to Directive 2008/98/EC.

- **13.1.2 Disposal methods**
  
  Recycle/reuse. Neutralize. Remove waste in accordance with local and/or national regulations.

- **13.1.3 Packaging/Container**
  
  No data available.

### SECTION 14: Transport information

#### Road (ADR)

<table>
<thead>
<tr>
<th>14.1 UN number:</th>
<th>Not subject</th>
</tr>
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<tbody>
<tr>
<td>14.2 UN proper shipping name:</td>
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</tr>
<tr>
<td>14.3 Transport hazard class(es):</td>
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</tr>
<tr>
<td>Hazard identification number</td>
<td></td>
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<tr>
<td>Class</td>
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<tr>
<td>Classification code</td>
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<tr>
<td>14.4 Packing group:</td>
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<tr>
<td>Packing group</td>
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<tr>
<td>Labels</td>
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</tr>
<tr>
<td>14.5 Environmental hazards:</td>
<td></td>
</tr>
<tr>
<td>Environmentally hazardous substance mark</td>
<td>No</td>
</tr>
<tr>
<td>14.6 Special precautions for user:</td>
<td></td>
</tr>
<tr>
<td>Special provisions</td>
<td></td>
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<tr>
<td>Limited quantities</td>
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</table>

#### Rail (RID)

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<tbody>
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<td>14.3 Transport hazard class(es):</td>
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<td>Labels</td>
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<tr>
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<tr>
<td>Environmentally hazardous substance mark</td>
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<tr>
<td>Special provisions</td>
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<tr>
<td>Limited quantities</td>
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</tbody>
</table>

#### Inland waterways (ADN)

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<td>14.3 Transport hazard class(es):</td>
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<tr>
<td>Classification code</td>
<td></td>
</tr>
<tr>
<td>14.4 Packing group:</td>
<td></td>
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</tbody>
</table>
14.5 Environmental hazards:
- Environmentally hazardous substance mark: no

14.6 Special precautions for user:
- Special provisions
- Limited quantities

**Sea (IMDG/IMSBC)**

14.1 UN number: Not subject

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

14.4 Packing group:
- Packing group
- Labels

14.5 Environmental hazards:
- Marine pollutant
- Environmentally hazardous substance mark: no

14.6 Special precautions for user:
- Special provisions
- Limited quantities

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

**Air (ICAO-TI/IATA-DGR)**

14.1 UN number: Not subject

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

14.4 Packing group:
- Packing group
- Labels

14.5 Environmental hazards:
- Environmentally hazardous substance mark: no

14.6 Special precautions for user:
- Special provisions
- Passenger and cargo transport: limited quantities: maximum net quantity per packaging

**SECTION 15: Regulatory information**

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

**European legislation:**
- VOC content Directive 2010/75/EU

<table>
<thead>
<tr>
<th>VOC content</th>
<th>Remark</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Not applicable (inorganic)</td>
</tr>
</tbody>
</table>

**National legislation The Netherlands**

- SILL580
  - Waste identification (the Netherlands): LWCA (the Netherlands): KGa category 05
  - Waterbezwaarlijkheid: 11

**National legislation Germany**

- SILL580
  - WGK: Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)

Publication date: 2018-04-25
**15.2 Chemical safety assessment:**

No chemical safety assessment is required.

### SECTION 16: Other information

Full text of any H-statements referred to under headings 2 and 3:

- **H302** Harmful if swallowed.
- **H314** Causes severe skin burns and eye damage.
- **H315** Causes skin irritation.
- **H318** Causes serious eye damage.

(*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.