Sanosil S010

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

1.1. Product identifier
Trade name/designation: Sanosil S010

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

1.3. Details of the supplier of the safety data sheet
Supplier (manufacturer/importer/only representative/downstream user/distributor):
Sanosil
Eichtalstrasse 49
8634 Hombrechtikon
Switzerland
Telephone: +41 55 254 00 54
Telefax: +41 55 254 00 59
E-mail: kundeninfo@sanosil.ch
Website: www.sanosil.ch

1.4. Emergency telephone number
United States of America: Poison control center - national hotline number 1-800-222-1222
Great Britain: National phone number 111
Republic of Ireland: National phone number 01 809 2166
Czech Republic: Toxikologické informační středisko +420 224 919 293, +420 224 915 402
Denmark: Giftlinjen +45 82 12 12 12
France: numéro ORFILA (INRS) : +33 (0)1 45 42 59 59
Italy: 06-3054343 (24h/24h), Centro antivenini Policlinico Umberto I, Roma Spain: National Emergency Telephone Number: +34 91 562 04 20
Sweden: +46 112 in case of emergency poisoning and ask for Poison Information both day and night. +46 08-331231 if you have other questions concerning acute poisonings mon-fri 9.00-17.00.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [CLP]:

<table>
<thead>
<tr>
<th>Hazard classes and hazard categories</th>
<th>Hazard statements</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/eye irritation (Eye Irrit. 2)</td>
<td>H319: Causes serious eye irritation.</td>
<td>Calculation method.</td>
</tr>
<tr>
<td>Hazardous to the aquatic environment (Aquatic Chronic 3)</td>
<td>H412: Harmful to aquatic life with long lasting effects.</td>
<td>Calculation method.</td>
</tr>
</tbody>
</table>

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms:

- Exclamation mark: GHS07
- Signal word: Warning

hazard statements for health hazards
- H319: Causes serious eye irritation.
**SAFETY DATA SHEET**
according to Regulation (EC) No. 1907/2006 (REACH)

**Revision date:** 20-Dec-2019  
**Print date:** 09-Jan-2020  
**Version:** 2

**Sanosil S010**

### Hazard statements for environmental hazards

**H412** Harmful to aquatic life with long lasting effects.

### Supplemental Hazard information (EU):

**-**

### Precautionary statements Prevention

**P264** Wash hands thoroughly after handling.  
**P273** Avoid release to the environment.  
**P280** Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary statements Response

**P305 + P351 + P338**  
*IF IN EYES:* Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P337 + P313** If eye irritation persists: Get medical advice/attention.

### Precautionary statements Disposal

**P501** Dispose of contents/container to an installation for the treatment of hazardous waste.

**2.3. Other hazards**

No data available

### SECTION 3: Composition / information on ingredients

#### 3.2. Mixtures

**Hazardous ingredients / Hazardous impurities / Stabilisers:**

<table>
<thead>
<tr>
<th>product identifiers</th>
<th>Substance name</th>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS No.: 7722-84-1</td>
<td>hydrogen peroxide solution ... % Acute Tox. 4, Ox. Liq. 1, Skin Corr. 1A</td>
<td>Danger H271-H302-H314-H332</td>
<td>5 - &lt; 8 Wt %</td>
</tr>
<tr>
<td>EC No.: 231-765-0</td>
<td>orthophosphoric acid Skin Corr. 1B</td>
<td>Danger H314</td>
<td>0 - ≤ 0.1 Wt %</td>
</tr>
<tr>
<td>CAS No.: 7664-38-2</td>
<td>silver Aquatic Acute 1, Aquatic Chronic 1</td>
<td><strong>Warning</strong> H400-H410 M-factor (acute): 10 M-factor (chronic): 10</td>
<td>0 - ≤ 0.01 Wt %</td>
</tr>
<tr>
<td>EC No.: 231-633-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No.: 7440-22-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC No.: 231-131-3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 place in recovery position and seek medical advice. Do not leave affected person unattended. First aider: Pay attention to self-protection!

**Following inhalation:**
In case of respiratory tract irritation, consult a physician. Provide fresh air.

**In case of skin contact:**
After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

**After eye contact:**
In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.
Sanosil S010

After ingestion:
Rinse mouth. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. Get immediate medical advice/attention.

Self-protection of the first aider:
Use personal protection equipment.

4.2. Most important symptoms and effects, both acute and delayed
Serious eye damage/eye irritation

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:
The product itself does not burn. Water, Dry extinguishing powder, Carbon dioxide (CO2), alcohol resistant foam.

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture
Hazardous combustion products:
In case of fire: Carbon monoxide. Carbon dioxide (CO2).

5.3. Advice for firefighters
Special protective equipment 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. Keep closed containers cool by spraying water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Personal precautions:
Avoid contact with skin, eyes and clothes.
Provide adequate ventilation.
Remove persons to safety.
Use personal protection equipment.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection. See section 8.

6.1.2. For emergency responders
Personal protection equipment:
See section 8. Personal protection equipment: see section 8

6.2. Environmental precautions
Do not allow to enter into surface water or drains.
Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

For containment:
Provide for retaining containers, eg. floor pan without outflow. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Dispose of the residus of the product as hazardous waste (see section 13).

For cleaning up:
Wash with plenty of water.
Section 7: Handling and Storage

7.1. Precautions for Safe Handling

Protective Measures

Advises on Safe Handling:
The simultaneous handling of incompatible substances and mixtures must be prevented. Wear personal protection equipment (refer to section 8).

When using by spraying with a hand sprayer or wiping, do not use for more than 30 minutes per day without respiratory protection. For longer periods of use or for applications with a pressure sprayer, wear suitable respiratory protection (see section 8.2).

Advises on General Occupational Hygiene
When using do not eat, drink or smoke. Avoid contact with skin, eyes and clothes.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures and Storage Conditions:
Keep container tightly closed in a cool, well-ventilated place. Keep/Store only in original container.

Requirements for Storage Rooms and Vessels:
Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

Hints on Storage Assembly:
Do not store together with: Acid, alkali Oxidizing agent.

Storage Class:
12 - non-combustible liquids that cannot be assigned to any of the above storage classes

7.3. Specific End Use(s)

Recommendation:
The use of chemical disinfectants on surfaces and equipment as well as in vessels must be restricted to non-absorbent materials (metals, glass, ceramics, possibly to non-softerd plastics).

After the prescribed exposure time, the disinfected surfaces and equipment as well as the vessels must be rinsed several times with fresh water of drinking water quality.

Section 8: Exposure Controls/Personal Protection

8.1. Control Parameters

8.1.1. Occupational Exposure Limit Values

<table>
<thead>
<tr>
<th>Limit value type (country of origin)</th>
<th>Substance name</th>
<th>① long-term occupational exposure limit value</th>
<th>② short-term occupational exposure limit value</th>
<th>③ Instantaneous value</th>
<th>④ Monitoring and observation processes</th>
<th>⑤ Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES</td>
<td>Hydrogen peroxide solution ... % CAS No.: 7722-84-1</td>
<td>① 1 ppm (1.4 mg/m³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VLA (FR)</td>
<td>Hydrogen peroxide solution ... % CAS No.: 7722-84-1</td>
<td>① 1 ppm (1.5 mg/m³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEL (GB)</td>
<td>Hydrogen peroxide solution ... % CAS No.: 7722-84-1</td>
<td>① 1 ppm (1.4 mg/m³)</td>
<td>② 2 ppm (2.8 mg/m³)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA (US)</td>
<td>Hydrogen peroxide solution ... % CAS No.: 7722-84-1</td>
<td>① 1 ppm (1.4 mg/m³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Limit value type (country of origin)</td>
<td>Substance name</td>
<td>① long-term occupational exposure limit value</td>
<td>② short-term occupational exposure limit value</td>
<td>③ instantaneous value</td>
<td>④ Monitoring and observation processes</td>
<td>⑤ Remark</td>
</tr>
<tr>
<td>------------------------------------</td>
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<td>---------------------------------------------</td>
<td>---------------------------------------------</td>
<td>----------------------</td>
<td>----------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>NIOSH (US)</td>
<td>hydrogen peroxide solution % CAS No.: 7722-84-1</td>
<td>① 1 ppm (1.4 mg/m³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH (US)</td>
<td>hydrogen peroxide solution % CAS No.: 7722-84-1</td>
<td>① 1 ppm (1.4 mg/m³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>orthophosphoric acid CAS No.: 7664-38-2</td>
<td>① 1 mg/m³</td>
<td>② 2 mg/m³</td>
<td>⑤ VLI, s</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IOELV (EU)</td>
<td>orthophosphoric acid CAS No.: 7664-38-2</td>
<td>① 1 mg/m³</td>
<td>② 2 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VRI (FR)</td>
<td>orthophosphoric acid CAS No.: 7664-38-2</td>
<td>① 0.2 ppm (1 mg/m³)</td>
<td>② 0.5 ppm (2 mg/m³)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEL (GB)</td>
<td>orthophosphoric acid CAS No.: 7664-38-2</td>
<td>① 1 mg/m³</td>
<td>② 2 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA (US)</td>
<td>orthophosphoric acid CAS No.: 7664-38-2</td>
<td>① 1 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIOSH (US)</td>
<td>orthophosphoric acid CAS No.: 7664-38-2</td>
<td>① 1 mg/m³</td>
<td>② 3 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH (US)</td>
<td>orthophosphoric acid CAS No.: 7664-38-2</td>
<td>① 1 mg/m³</td>
<td>② 3 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IOELV (EU)</td>
<td>silver CAS No.: 7440-22-4</td>
<td>① 0.01 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VRI (FR)</td>
<td>silver CAS No.: 7440-22-4</td>
<td>① 0.01 mg/m³</td>
<td>⑤ (réglementaire indicative) Argent composés, soluble, expri mé en Ag</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEL (GB)</td>
<td>silver CAS No.: 7440-22-4</td>
<td>① 0.01 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIOSH (US)</td>
<td>silver CAS No.: 7440-22-4</td>
<td>① 0.01 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IOELV (EU)</td>
<td>silver CAS No.: 7440-22-4</td>
<td>① 0.1 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEL (GB)</td>
<td>silver CAS No.: 7440-22-4</td>
<td>① 0.1 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VRI (FR)</td>
<td>silver CAS No.: 7440-22-4</td>
<td>① 0.1 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH (US)</td>
<td>silver CAS No.: 7440-22-4</td>
<td>① 0.01 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA (US)</td>
<td>silver CAS No.: 7440-22-4</td>
<td>① 0.01 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>silver CAS No.: 7440-22-4</td>
<td>① 0.1 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>silver CAS No.: 7440-22-4</td>
<td>① 0.1 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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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
Provide adequate ventilation as well as local exhaustion at critical locations.

8.2.2. Personal protection equipment

Eye/face protection:
Eye glasses with side protection DIN EN 166

Skin protection:
Use protective gloves in accordance to EN 374. The following material is suitable: NBR Normal duration of use: 480 min. Observe the wear time limits as specified by the manufacturer.

Respiratory protection:
In case of inadequate ventilation wear respiratory protection.
For spray application: Respiratory protection according to EN 136 or EN 140 with filter NO-P3 or ABEK-P3.

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
Odour: odourless
Colour: colourless

Safety relevant basis data

<table>
<thead>
<tr>
<th>parameter</th>
<th>at °C</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>&gt; 2 - 2.5</td>
<td>20 °C</td>
<td></td>
</tr>
<tr>
<td>Melting point</td>
<td>-2 °C</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Freezing point</td>
<td></td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>101 °C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>1.9 hPa</td>
<td>20 °C</td>
<td>Hydrogen peroxide</td>
</tr>
<tr>
<td>Vapour density</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid
Strong acid, Strong alkali, Oxidizing agent

10.5. Incompatible materials
No data available

10.6. Hazardous decomposition products
No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Substance name</th>
<th>Toxicological information</th>
</tr>
</thead>
</table>
| 7722-84-1 | hydrogen peroxide solution ... % | LD₅₀ oral: 376 mg/kg (Rat)  
LD₅₀ dermal: 3,000 mg/kg (Rat)  
LC₅₀ Acute inhalation toxicity (vapour): 2 mg/l 4 h (Rat) |
| 7664-38-2 | orthophosphoric acid | LD₅₀ oral: 1,530 mg/kg (Rat)  
LD₅₀ dermal: 2,740 mg/kg (Rabbit) |

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:
Causes serious eye irritation.

Respiratory or skin sensitisation:
Based on available data, the classification criteria are not met.
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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.

Additional information:
The product has not been tested. The information in this section is derived from the properties of the individual components.

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Substance name</th>
<th>Toxicological information</th>
</tr>
</thead>
<tbody>
<tr>
<td>7722-84-1</td>
<td>hydrogen peroxide solution ... %</td>
<td>LC₅₀: 16.4 mg/l (Fish)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC₅₀: 2 mg/l (Daphnia pulex)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC₅₀: 1.38 mg/l (Alga)</td>
</tr>
<tr>
<td>7440-22-4</td>
<td>silver</td>
<td>LC₅₀: 0.015 mg/l 2 d (shellfish)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC₅₀: 0.00807 mg/l 4 d (fish)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC₅₀: 0.0092 mg/l 2 d (shellfish)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC₅₀: 0.00198 mg/l 3 d (Alga)</td>
</tr>
</tbody>
</table>

Aquatic toxicity:
Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Substance name</th>
<th>Biodegradation</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>7440-22-4</td>
<td>silver</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential
No data available

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Substance name</th>
<th>Results of PBT and vPvB assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>7722-84-1</td>
<td>hydrogen peroxide solution ... %</td>
<td>The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.</td>
</tr>
<tr>
<td>7664-38-2</td>
<td>orthophosphoric acid</td>
<td>The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.</td>
</tr>
<tr>
<td>7440-22-4</td>
<td>silver</td>
<td>The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.</td>
</tr>
</tbody>
</table>

12.6. Other adverse effects
No data available
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SECTION 13: Disposal considerations

13.1. Waste treatment methods
The product may not be eliminated as municipal solid waste nor allowed to end up in the drainage system. These packs can be delivered packaging-specific to the existing collection points for hazardous waste.

13.1.1. Product/Packaging disposal
Waste codes/waste designations according to EWC/AVV

Waste code product:

| 16 05 07 | discarded inorganic chemicals consisting of or containing hazardous substances |

*: Evidence for disposal must be provided.

Remark:
Wastecode according to regulation EU 2014/955

Waste code packaging:

| 15 01 02 | Plastic packaging |

Waste treatment options
Appropriate disposal / Product:
Residues of the product have to be collected as hazardous waste.

Appropriate disposal / Package:
Empty packaging can be recycled or eliminated as municipal solid waste.

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

<table>
<thead>
<tr>
<th>Land transport (ADR/ RID)</th>
<th>Inland waterway craft</th>
<th>Sea transport (IMDG)</th>
<th>Air transport (ICAO-TI / IATA-DGR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN-No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No dangerous good in sense of these transport regulations.</td>
<td>No dangerous good in sense of these transport regulations.</td>
<td>No dangerous good in sense of these transport regulations.</td>
<td>No dangerous good in sense of these transport regulations.</td>
</tr>
</tbody>
</table>

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

14.4. Packing group
not relevant

14.5. Environmental hazards
not relevant

14.6. Special precautions for user
not relevant

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
not relevant
SECTION 15: Regulatory information

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

15.1.1. EU legislation

Authorisations:
Regulation (EU) No. 528/2012 on biocides

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1. Indication of changes

This material safety data sheet has been revised completely and is considered new without any previous version.

16.2. Abbreviations and acronyms

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR European agreement concerning the international carriage of dangerous goods by road
CAS Chemical Abstract Service
CLP Classification, labelling and Packaging
EC50 Effective Concentration 50%
EN European norm
IATA International Air Transport Association
IMDG-Code International Maritime Dangerous Goods Code
LC50 Lethal Concentration 50%
LD50 Lethal Dose 50%
OECD Organization for Economic Cooperation and Development
PBT persistent, bioaccumulative, toxic
PNEC Predicted No Effect Concentration
REACH Registration, Evaluation and Authorization of Chemicals
RID Regulations concerning the international carriage of dangerous goods by rail
SVHC Substance of Very High Concern
UN United Nations
VOC Volatile organic compounds
vPvB very persistent, very bioaccumulative

16.3. Key literature references and sources for data

Security safety data sheet of the ingredients. Inventory of substances of the European Chemical Agency (ECHA). GESTIS database

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

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

<table>
<thead>
<tr>
<th>Hazard classes and hazard categories</th>
<th>Hazard statements</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/eye irritation (Eye Irrit. 2)</td>
<td>H319: Causes serious eye irritation.</td>
<td>Calculation method.</td>
</tr>
<tr>
<td>Hazardous to the aquatic environment (Aquatic Chronic 3)</td>
<td>H412: Harmful to aquatic life with long lasting effects.</td>
<td>Calculation method.</td>
</tr>
</tbody>
</table>
16.5. Relevant R-, H- and EUH-phrases (Number and full text)

<table>
<thead>
<tr>
<th>Hazard statements</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H271</td>
<td>May cause fire or explosion; strong oxidiser.</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life.</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

16.6. Training advice

Persons charged with the handling and cleaning of the product must be trained prior to start their work and in regular intervals. They must be informed about the risks using the product and the measures to take for efficient prevention. This concerns particularly working security, first aid, health and environment protection.

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new madeup material.