



## R7 Cream Cleaner

Revision: 2021-10-10

Version: 01.0

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

#### 1.1 Product identifier

**Trade name:** R7 Cream Cleaner

UFI: 124H-61TS-Y00T-WY9Q

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

**Product use:** Restroom/bathroom cleaner.  
For professional use only.

**Uses advised against:** Uses other than those identified are not recommended.

#### SWED - Sector-specific worker exposure description :

AISE\_SWED\_PW\_10\_1  
AISE\_SWED\_PW\_19\_1

#### 1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, Maarssenbroeksedijk 2, 3542DN Utrecht, The Netherlands

#### Contact details

Diversey Ltd  
Weston Favell Centre, Northampton NN3 8PD, United Kingdom  
Tel: 01604 405311, Fax: 01604 406809  
Regulatory Email: customerservice.uk@diversey.com

#### 1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)  
For medical or environmental emergency only:  
call 0800 052 0185

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Not classified as hazardous

#### 2.2 Label elements

##### Hazard statements:

EUH210 - Safety data sheet available on request.

#### 2.3 Other hazards

No other hazards known.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

| Ingredient(s)                                    | EC number | CAS number  | REACH number     | Classification   | Notes | Weight percent |
|--|-----------|-------------|------------------|--|-------|----------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | 307-055-2 | 97489-15-1  | 01-2119489924-20 | Acute Tox. 4 (H302)<br>Skin Irrit. 2 (H315)<br>Eye Dam. 1 (H318)<br>Aquatic Chronic 3 (H412)   |       | 1-3            |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | [4]       | 160875-66-1 | [4]              | Eye Dam. 1 (H318)  |       | 1-3            |
| pyridine-2-thiol 1-oxide, sodium salt            | 223-296-5 | 3811-73-2   | -                | Acute Tox. 4 (H302)<br>Acute Tox. 4 (H312)<br>Acute Tox. 4 (H332)<br>Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)<br>Aquatic Acute 1 (H400) |       | 0.1-1          |

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**Specific concentration limits**

sulphonic acids, C14-17-sec-alkane, sodium salts:

- Eye Dam. 1 (H318) >= 15% > Eye Irrit. 2 (H319) >= 10%

Workplace exposure limit(s), if available, are listed in subsection 8.1.

ATE, if available, are listed in section 11.

[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16..

**SECTION 4: First aid measures****4.1 Description of first aid measures**

|  |   |
|--|---|
| <b>Inhalation:</b>                     | Get medical attention or advice if you feel unwell.   |
| <b>Skin contact:</b>                   | Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.  |
| <b>Eye contact:</b>                    | Rinse cautiously with water for several minutes. If irritation occurs and persists, get medical attention.  |
| <b>Ingestion:</b>                      | Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell. |
| <b>Self-protection of first aider:</b> | Consider personal protective equipment as indicated in subsection 8.2.  |

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

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | No known effects or symptoms in normal use. |
| <b>Skin contact:</b> | No known effects or symptoms in normal use. |
| <b>Eye contact:</b>  | No known effects or symptoms in normal use. |
| <b>Ingestion:</b>    | No known effects or symptoms in normal use. |

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

**5.2 Special hazards arising from the substance or mixture**

No special hazards known.

**5.3 Advice for firefighters**

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

No special measures required.

**6.2 Environmental precautions**

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water.

**6.3 Methods and material for containment and cleaning up**

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

**6.4 Reference to other sections**

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Measures to prevent fire and explosions:**

No special precautions required.

**Measures required to protect the environment:**

For environmental exposure controls see subsection 8.2.

**Advices on general occupational hygiene:**

Handle in accordance with good industrial hygiene and safety practice. Do not mix with other products unless advised by Diversey.

**7.2 Conditions for safe storage, including any incompatibilities**

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Store in accordance with local and national regulations. Keep only in original packaging.  
For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

**7.3 Specific end use(s)**

No specific advice for end use available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Workplace exposure limits**

Air limit values, if available:

Biological limit values, if available:

**Recommended monitoring procedures, if available:**

Additional exposure limits under the conditions of use, if available:

**DNEL/DMEL and PNEC values****Human exposure**

DNEL oral exposure - Consumer (mg/kg bw)

| Ingredient(s)                                    | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|-------------------------------|---------------------------|------------------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | -                          | -                             | -                         | 7.1                          |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available          | No data available             | No data available         | No data available            |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available          | No data available             | No data available         | No data available            |

DNEL dermal exposure - Worker

| Ingredient(s)                                    | Short term - Local effects  | Short term - Systemic effects (mg/kg bw) | Long term - Local effects   | Long term - Systemic effects (mg/kg bw) |
|--|-----------------------------|--|-----------------------------|---|
| sulphonic acids, C14-17-sec-alkane, sodium salts | 2.8 mg/cm <sup>2</sup> skin | -  | 2.8 mg/cm <sup>2</sup> skin | 5                                       |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available           | No data available                        | No data available           | No data available                       |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available           | No data available                        | No data available           | No data available                       |

DNEL dermal exposure - Consumer

| Ingredient(s)                                    | Short term - Local effects  | Short term - Systemic effects (mg/kg bw) | Long term - Local effects   | Long term - Systemic effects (mg/kg bw) |
|--|-----------------------------|--|-----------------------------|---|
| sulphonic acids, C14-17-sec-alkane, sodium salts | 2.8 mg/cm <sup>2</sup> skin | -  | 2.8 mg/cm <sup>2</sup> skin | 3.57                                    |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available           | No data available                        | No data available           | No data available                       |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available           | No data available                        | No data available           | No data available                       |

DNEL inhalatory exposure - Worker (mg/m<sup>3</sup>)

| Ingredient(s)                                    | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|-------------------------------|---------------------------|------------------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | -                          | -                             | -                         | 35                           |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available          | No data available             | No data available         | No data available            |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available          | No data available             | No data available         | No data available            |

DNEL inhalatory exposure - Consumer (mg/m<sup>3</sup>)

| Ingredient(s)                                    | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|-------------------------------|---------------------------|------------------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | -                          | -                             | -                         | 12.4                         |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available          | No data available             | No data available         | No data available            |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available          | No data available             | No data available         | No data available            |

**Environmental exposure**

Environmental exposure - PNEC

| Ingredient(s)                                    | Surface water, fresh (mg/l) | Surface water, marine (mg/l) | Intermittent (mg/l) | Sewage treatment plant (mg/l) |
|--|-----------------------------|------------------------------|---------------------|-------------------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | 0.04                        | 0.004                        | 0.06                | 600                           |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available           | No data available            | No data available   | No data available             |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available           | No data available            | No data available   | No data available             |

Environmental exposure - PNEC, continued

| Ingredient(s)                                    | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg) | Air (mg/m <sup>3</sup> ) |
|--|------------------------------|--------------------------|--------------|--------------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | 9.4                          | 0.94                     | 9.4          | -                        |

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|---|-------------------|-------------------|-------------------|-------------------|
| C10-guerbet alcohol ethoxylate (>4-5EO) | No data available | No data available | No data available | No data available |
| pyridine-2-thiol 1-oxide, sodium salt   | No data available | No data available | No data available | No data available |

## 8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

**Appropriate engineering controls:** No special requirements under normal use conditions.

**Appropriate organisational controls:** No special requirements under normal use conditions.

## REACH use scenarios considered for the undiluted product:

|   | SWED - Sector-specific worker exposure description | LCS | PROC    | Duration (min) | ERC   |
|---|--|-----|---------|----------------|-------|
| Manual application by brushing, wiping or mopping | AISE_SWED_PW_10_1                                  | PW  | PROC 10 | 480            | ERC8a |
| Manual application                                | AISE_SWED_PW_19_1                                  | PW  | PROC 19 | 480            | ERC8a |

## Personal protective equipment

**Eye / face protection:** Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 166).

**Hand protection:** No special requirements under normal use conditions.

**Body protection:** No special requirements under normal use conditions.

**Respiratory protection:** No special requirements under normal use conditions.

**Environmental exposure controls:** No special requirements under normal use conditions.

## SECTION 9: Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

Information in this section refers to the product, unless it is specifically stated that substance data is listed

|   | Method / remark                                |
|---|--|
| <b>Physical State:</b> Liquid                                       |  |
| <b>Colour:</b> Milky , White  |  |
| <b>Odour:</b> Product specific                                      |  |
| <b>Odour threshold:</b> Not applicable                              |  |
| <b>Melting point/freezing point (°C):</b> Not determined            | Not relevant to classification of this product |
| <b>Initial boiling point and boiling range (°C):</b> Not determined | See substance data                             |

Substance data, boiling point

| Ingredient(s)                                    | Value (°C)        | Method           | Atmospheric pressure (hPa) |
|--|-------------------|------------------|----------------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | > 100             | Method not given |                            |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available |                  |                            |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available |                  |                            |

|  | Method / remark |
|--|-----------------|
| <b>Flammability (solid, gas):</b> Not applicable to liquids  |                 |
| <b>Flammability (liquid):</b> Not flammable.   |                 |
| <b>Flash point (°C):</b> > 93 °C   | closed cup      |
| <b>Sustained combustion:</b> The product does not sustain combustion<br>( UN Manual of Tests and Criteria, section 32, L.2 ) |                 |
| <b>Lower and upper explosion limit/flammability limit (%):</b> Not determined  |                 |

Substance data, flammability or explosive limits, if available:

|   | Method / remark             |
|---|-----------------------------|
| <b>Autoignition temperature:</b> Not determined               |                             |
| <b>Decomposition temperature:</b> Not applicable.             |                             |
| <b>pH:</b> ≈ 10 (neat)  | ISO 4316                    |
| <b>Kinematic viscosity:</b> ≈ 105 mPa.s (20 °C)               | DM-006 Viscosity - Standard |
| <b>Solubility in / Miscibility with Water:</b> Fully miscible |                             |

Substance data, solubility in water

| Ingredient(s)                                    | Value (g/l) | Method           | Temperature (°C) |
|--|-------------|------------------|------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | 500         | Method not given | 25               |

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|   |                   |  |  |
|---|-------------------|--|--|
| C10-guerbet alcohol ethoxylate (>4-5EO) | No data available |  |  |
| pyridine-2-thiol 1-oxide, sodium salt   | No data available |  |  |

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

**Vapour pressure:** Not determined

**Method / remark**

See substance data

Substance data, vapour pressure

| Ingredient(s)                                    | Value (Pa)        | Method           | Temperature (°C) |
|--|-------------------|------------------|------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | 3000              | Method not given | 25               |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available |                  |                  |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available |                  |                  |

**Relative density:** ≈ 1.26 (20 °C)

**Relative vapour density:** -

**Particle characteristics:** No data available.

**Method / remark**

OECD 109 (EU A.3)

Not relevant to classification of this product

Not applicable to liquids.

**9.2 Other information****9.2.1 Information with regard to physical hazard classes**

**Explosive properties:** Not explosive.

**Oxidising properties:** Not oxidising.

**Corrosion to metals:** Not corrosive

**9.2.2 Other safety characteristics**

No other relevant information available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

**10.2 Chemical stability**

Stable under normal storage and use conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known under normal storage and use conditions.

**10.4 Conditions to avoid**

None known under normal storage and use conditions.

**10.5 Incompatible materials**

None known under normal use conditions.

**10.6 Hazardous decomposition products**

None known under normal storage and use conditions.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Mixture data:

**Relevant calculated ATE(s):**

ATE - Oral (mg/kg): >2000

**Eye irritation and corrosivity**

**Result:** Not corrosive or irritant **Species:** Not applicable.

**Method:** Weight of evidence

Substance data, where relevant and available, are listed below:

**Acute toxicity**

Acute oral toxicity

| Ingredient(s)                                    | Endpoint         | Value (mg/kg) | Species | Method            | Exposure time (h) | ATE (mg/kg)     |
|--|------------------|---------------|---------|-------------------|-------------------|-----------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | LD <sub>50</sub> | > 500-2000    | Rat     | OECD 401 (EU B.1) |                   | 16000           |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |                  | No data       |         |                   |                   | Not established |

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|                                       |  |                   |  |  |        |
|---------------------------------------|--|-------------------|--|--|--------|
|                                       |  | available         |  |  |        |
| pyridine-2-thiol 1-oxide, sodium salt |  | No data available |  |  | 330000 |

## Acute dermal toxicity

| Ingredient(s)                                    | Endpoint         | Value (mg/kg)     | Species | Method             | Exposure time (h) | ATE (mg/kg)     |
|--|------------------|-------------------|---------|--------------------|-------------------|-----------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | LD <sub>50</sub> | > 2000            | Mouse   | Weight of evidence |                   | Not established |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |                  | No data available |         |                    |                   | Not established |
| pyridine-2-thiol 1-oxide, sodium salt            |                  | No data available |         |                    |                   | 730000          |

## Acute inhalative toxicity

| Ingredient(s)                                    | Endpoint | Value (mg/l)      | Species | Method | Exposure time (h) |
|--|----------|-------------------|---------|--------|-------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts |          | No data available |         |        |                   |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |          | No data available |         |        |                   |
| pyridine-2-thiol 1-oxide, sodium salt            |          | No data available |         |        |                   |

## Acute inhalative toxicity, continued

| Ingredient(s)                                    | ATE - inhalation, dust (mg/l) | ATE - inhalation, mist (mg/l) | ATE - inhalation, vapour (mg/l) | ATE - inhalation, gas (mg/l) |
|--|-------------------------------|-------------------------------|---------------------------------|------------------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | Not established               | Not established               | Not established                 | Not established              |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | Not established               | Not established               | Not established                 | Not established              |
| pyridine-2-thiol 1-oxide, sodium salt            | Not established               | 2600                          | Not established                 | Not established              |

## Irritation and corrosivity

## Skin irritation and corrosivity

| Ingredient(s)                                    | Result            | Species | Method                           | Exposure time |
|--|-------------------|---------|----------------------------------|---------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | Irritant          | Rabbit  | OECD 404 (EU B.4)<br>Read across |               |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | Not irritant      |         |                                  |               |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available |         |                                  |               |

## Eye irritation and corrosivity

| Ingredient(s)                                    | Result            | Species | Method            | Exposure time |
|--|-------------------|---------|-------------------|---------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | Severe damage     |         | OECD 405 (EU B.5) |               |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | Severe damage     |         |                   |               |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available |         |                   |               |

## Respiratory tract irritation and corrosivity

| Ingredient(s)                                    | Result            | Species | Method | Exposure time |
|--|-------------------|---------|--------|---------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | No data available |         |        |               |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available |         |        |               |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available |         |        |               |

## Sensitisation

## Sensitisation by skin contact

| Ingredient(s)                                    | Result            | Species    | Method                                  | Exposure time (h) |
|--|-------------------|------------|---|-------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | Not sensitising   | Guinea pig | OECD 406 (EU B.6) /<br>GPMT Read across |                   |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available |            |   |                   |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available |            |   |                   |

## Sensitisation by inhalation

| Ingredient(s)                                    | Result            | Species | Method | Exposure time |
|--|-------------------|---------|--------|---------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | No data available |         |        |               |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available |         |        |               |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available |         |        |               |

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

## Mutagenicity

| Ingredient(s)                              | Result (in-vitro)                      | Method (in-vitro) | Result (in-vivo)                       | Method (in-vivo) |
|--|--|-------------------|--|------------------|
| sulphonic acids, C14-17-sec-alkane, sodium | No evidence for mutagenicity, negative | Method not        | No evidence for mutagenicity, negative | Method not       |

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| salts                                   | test results      | given | test results      | given |
|---|-------------------|-------|-------------------|-------|
| C10-guerbet alcohol ethoxylate (>4-5EO) | No data available |       | No data available |       |
| pyridine-2-thiol 1-oxide, sodium salt   | No data available |       | No data available |       |

## Carcinogenicity

| Ingredient(s)                                    | Effect   |
|--|--|
| sulphonic acids, C14-17-sec-alkane, sodium salts | No evidence for carcinogenicity, negative test results |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available                                      |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available                                      |

## Toxicity for reproduction

| Ingredient(s)                                    | Endpoint | Specific effect | Value (mg/kg bw/d) | Species | Method | Exposure time | Remarks and other effects reported    |
|--|----------|-----------------|--------------------|---------|--------|---------------|---------------------------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts |          |                 | No data available  |         |        |               | No evidence for reproductive toxicity |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |          |                 | No data available  |         |        |               |                                       |
| pyridine-2-thiol 1-oxide, sodium salt            |          |                 | No data available  |         |        |               |                                       |

## Repeated dose toxicity

## Sub-acute or sub-chronic oral toxicity

| Ingredient(s)                                    | Endpoint | Value (mg/kg bw/d) | Species | Method           | Exposure time (days) | Specific effects and organs affected |
|--|----------|--------------------|---------|------------------|----------------------|--------------------------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | NOAEL    | 200                | Rat     | Method not given |                      |                                      |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |          | No data available  |         |                  |                      |                                      |
| pyridine-2-thiol 1-oxide, sodium salt            |          | No data available  |         |                  |                      |                                      |

## Sub-chronic dermal toxicity

| Ingredient(s)                                    | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|--|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts |          | No data available  |         |        |                      |                                      |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |          | No data available  |         |        |                      |                                      |
| pyridine-2-thiol 1-oxide, sodium salt            |          | No data available  |         |        |                      |                                      |

## Sub-chronic inhalation toxicity

| Ingredient(s)                                    | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|--|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts |          | No data available  |         |        |                      |                                      |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |          | No data available  |         |        |                      |                                      |
| pyridine-2-thiol 1-oxide, sodium salt            |          | No data available  |         |        |                      |                                      |

## Chronic toxicity

| Ingredient(s)                                    | Exposure route | Endpoint | Value (mg/kg bw/d) | Species | Method           | Exposure time | Specific effects and organs affected | Remark |
|--|----------------|----------|--------------------|---------|------------------|---------------|--------------------------------------|--------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | Oral           | NOAEL    | > 4000             | Rat     | Method not given |               |                                      |        |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |                |          | No data available  |         |                  |               |                                      |        |
| pyridine-2-thiol 1-oxide, sodium salt            |                |          | No data available  |         |                  |               |                                      |        |

## STOT-single exposure

| Ingredient(s)                                    | Affected organ(s) |
|--|-------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | No data available |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available |

## STOT-repeated exposure

| Ingredient(s)                                    | Affected organ(s) |
|--|-------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | No data available |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available |

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|                                       |                   |
|---------------------------------------|-------------------|
| pyridine-2-thiol 1-oxide, sodium salt | No data available |
|---------------------------------------|-------------------|

**Aspiration hazard**

Substances with an aspiration hazard (H304), if any, are listed in section 3.

**Potential adverse health effects and symptoms**

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

**11.2 Information on other hazards****11.2.1 Endocrine disrupting properties**

Endocrine disrupting properties - Human data, if available:

**11.2.2 Other information**

No other relevant information available.

**SECTION 12: Ecological information****12.1 Toxicity**

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

**Aquatic short-term toxicity**

Aquatic short-term toxicity - fish

| Ingredient(s)                                    | Endpoint         | Value (mg/l)      | Species                    | Method           | Exposure time (h) |
|--|------------------|-------------------|----------------------------|------------------|-------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | LC <sub>50</sub> | 1 - 10            | <i>Brachydanio rerio</i>   | OECD 203, static | 96                |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | LC <sub>50</sub> | > 10-100          | <i>Oncorhynchus mykiss</i> | Method not given | 96                |
| pyridine-2-thiol 1-oxide, sodium salt            |                  | No data available |                            |                  |                   |

Aquatic short-term toxicity - crustacea

| Ingredient(s)                                    | Endpoint         | Value (mg/l)      | Species                     | Method            | Exposure time (h) |
|--|------------------|-------------------|-----------------------------|-------------------|-------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | EC <sub>50</sub> | 9.81              | <i>Daphnia magna Straus</i> | OECD 202 (EU C.2) | 48                |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | EC <sub>50</sub> | > 10-100          | <i>Daphnia magna Straus</i> | Method not given  | 48                |
| pyridine-2-thiol 1-oxide, sodium salt            |                  | No data available |                             |                   |                   |

Aquatic short-term toxicity - algae

| Ingredient(s)                                    | Endpoint         | Value (mg/l)      | Species                                | Method            | Exposure time (h) |
|--|------------------|-------------------|--|-------------------|-------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | EC <sub>50</sub> | > 61              | <i>Pseudokirchneriella subcapitata</i> | OECD 201 (EU C.3) | 72                |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |                  | No data available |  |                   |                   |
| pyridine-2-thiol 1-oxide, sodium salt            |                  | No data available |  |                   |                   |

Aquatic short-term toxicity - marine species

| Ingredient(s)                                    | Endpoint | Value (mg/l)      | Species | Method | Exposure time (days) |
|--|----------|-------------------|---------|--------|----------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts |          | No data available |         |        |                      |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |          | No data available |         |        |                      |
| pyridine-2-thiol 1-oxide, sodium salt            |          | No data available |         |        |                      |

Impact on sewage plants - toxicity to bacteria

| Ingredient(s)                                    | Endpoint | Value (mg/l)      | Inoculum                  | Method             | Exposure time |
|--|----------|-------------------|---------------------------|--------------------|---------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | NOEC     | 600               | <i>Pseudomonas putida</i> | DIN 38412 / Part 8 | 16 hour(s)    |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |          | No data available |                           |                    |               |
| pyridine-2-thiol 1-oxide, sodium salt            |          | No data available |                           |                    |               |



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**Aquatic long-term toxicity**

Aquatic long-term toxicity - fish

| Ingredient(s)                                    | Endpoint | Value (mg/l)      | Species                    | Method   | Exposure time | Effects observed |
|--|----------|-------------------|----------------------------|----------|---------------|------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | NOEC     | 0.85              | <i>Oncorhynchus mykiss</i> | OECD 204 | 28 day(s)     |                  |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |          | No data available |                            |          |               |                  |
| pyridine-2-thiol 1-oxide, sodium salt            |          | No data available |                            |          |               |                  |

Aquatic long-term toxicity - crustacea

| Ingredient(s)                                    | Endpoint | Value (mg/l)      | Species              | Method   | Exposure time | Effects observed |
|--|----------|-------------------|----------------------|----------|---------------|------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | NOEC     | 0.36              | <i>Daphnia magna</i> | OECD 202 | 22 day(s)     |                  |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |          | No data available |                      |          |               |                  |
| pyridine-2-thiol 1-oxide, sodium salt            |          | No data available |                      |          |               |                  |

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

| Ingredient(s)                                    | Endpoint | Value (mg/kg dw sediment) | Species | Method | Exposure time (days) | Effects observed |
|--|----------|---------------------------|---------|--------|----------------------|------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts |          | No data available         |         |        |                      |                  |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |          | No data available         |         |        |                      |                  |
| pyridine-2-thiol 1-oxide, sodium salt            |          | No data available         |         |        |                      |                  |

**Terrestrial toxicity**

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

| Ingredient(s)                                    | Endpoint | Value (mg/kg dw soil) | Species               | Method   | Exposure time (days) | Effects observed |
|--|----------|-----------------------|-----------------------|----------|----------------------|------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | NOEC     | 470                   | <i>Eisenia fetida</i> | OECD 222 | 56                   |                  |

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

**12.2 Persistence and degradability****Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

**Biodegradation**

Ready biodegradability - aerobic conditions

| Ingredient(s)                                    | Inoculum                 | Analytical method | DT <sub>50</sub>  | Method    | Evaluation            |
|--|--------------------------|-------------------|-------------------|-----------|-----------------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | Activated sludge, aerobe | DOC reduction     | 89 % in 28 day(s) | OECD 301E | Readily biodegradable |
| C10-guerbet alcohol ethoxylate (>4-5EO)          |                          |                   |                   | OECD 301D | Readily biodegradable |
| pyridine-2-thiol 1-oxide, sodium salt            |                          |                   |                   | OECD 301B | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

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**12.3 Bioaccumulative potential**

Partition coefficient n-octanol/water (log Kow)

| Ingredient(s)                                    | Value             | Method | Evaluation                  | Remark |
|--|-------------------|--------|-----------------------------|--------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | No data available |        | No bioaccumulation expected |        |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available |        |                             |        |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available |        |                             |        |

Bioconcentration factor (BCF)

| Ingredient(s)                                    | Value             | Species | Method | Evaluation                  | Remark |
|--|-------------------|---------|--------|-----------------------------|--------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | No data available |         |        |                             |        |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available |         |        | No bioaccumulation expected |        |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available |         |        |                             |        |

**12.4 Mobility in soil**

Adsorption/Desorption to soil or sediment

| Ingredient(s)                                    | Adsorption coefficient Log Koc | Desorption coefficient Log Koc(des) | Method | Soil/sediment type | Evaluation |
|--|--------------------------------|-------------------------------------|--------|--------------------|------------|
| sulphonic acids, C14-17-sec-alkane, sodium salts | No data available              |                                     |        |                    |            |
| C10-guerbet alcohol ethoxylate (>4-5EO)          | No data available              |                                     |        |                    |            |
| pyridine-2-thiol 1-oxide, sodium salt            | No data available              |                                     |        |                    |            |

**12.5 Results of PBT and vPvB assessment**

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

**12.6 Endocrine disrupting properties**

Endocrine disrupting properties - Environmental effects, if available:

**12.7 Other adverse effects**

No other adverse effects known.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Waste from residues / unused products:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

**European Waste Catalogue:**

20 01 30 - detergents other than those mentioned in 20 01 29.

**Empty packaging****Recommendation:**

Dispose of observing national or local regulations.

**Suitable cleaning agents:**

Water, if necessary with cleaning agent.

**SECTION 14: Transport information****Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)****14.1 UN number:** Non-dangerous goods**14.2 UN proper shipping name:** Non-dangerous goods**14.3 Transport hazard class(es):** Non-dangerous goods**14.4 Packing group:** Non-dangerous goods**14.5 Environmental hazards:** Non-dangerous goods**14.6 Special precautions for user:** Non-dangerous goods**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Non-dangerous goods**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations:**

• Regulation (EC) No. 1907/2006 - REACH

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- Regulation (EC) No 1272/2008 - CLP
- Regulation (EC) No. 648/2004 - Detergents regulation
- substances identified as having endocrine disrupting properties in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605

**Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII):** Not applicable.

**Ingredients according to EC Detergents Regulation 648/2004**

anionic surfactants, non-ionic surfactants < 5 %  
Sodium Pyrithione, perfumes

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Seveso - Classification:** Not classified

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out on the mixture

## SECTION 16: Other information

*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract*

**SDS code:** MS1005308

**Version:** 01.0

**Revision:** 2021-10-10

**Classification procedure**

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

**Full text of the H and EUH phrases mentioned in section 3:**

- H302 - Harmful if swallowed.
- H312 - Harmful in contact with skin.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H332 - Harmful if inhaled.
- H400 - Very toxic to aquatic life.
- H412 - Harmful to aquatic life with long lasting effects.

**Abbreviations and acronyms:**

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- ATE - Acute Toxicity Estimate
- DNEL - Derived No Effect Limit
- EC50 - effective concentration, 50%
- ERC - Environmental release categories
- EUH - CLP Specific hazard statement
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LCS - Life cycle stage
- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organization for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative

**End of Safety Data Sheet**