

**Cif Professional Oxygel Ocean**

Revision: 2024-08-07

Version: 11.1

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

**1.1 Product identifier**

**Trade name:** Cif Professional Oxygel Ocean

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UFI: 1CK4-X0Y7-E00E-EDMR

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

**Product use:** Hard surface cleaner.

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

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

AISE\_SWED\_PW\_8a\_2

AISE\_SWED\_PW\_8b\_2

PC35-Washing and cleaning products

AISE\_SWED\_PW\_10\_1

AISE\_SWED\_PW\_19\_1

PC35-Washing and cleaning products

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

Diversey Europe Operations BV, De Corridor 4, 3621ZB Breukelen [Maarssebroeksedijk 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@solenis.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**

Eye irritation, Category 2 (H319)

**2.2 Label elements**



**Signal word:** Warning.

**Hazard statements:**

H319 - Causes serious eye irritation.

**Precautionary statements:**

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

**2.3 Other hazards**

No other hazards known.

Reportable explosives precursor - Control of Poisons and Explosives Precursors Regulations 2015

**SECTION 3: Composition/information on ingredients**

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## 3.2 Mixtures

| Ingredient(s)            | EC number | CAS number | REACH number         | Classification   | Notes | Weight percent |
|--------------------------|-----------|------------|----------------------|--|-------|----------------|
| alkyl alcohol ethoxylate | [4]       | 68439-46-3 | [4]                  | Acute toxicity - Oral, Category 4 (H302)<br>Serious eye damage, Category 1 (H318)<br>Chronic aquatic toxicity, Category 3 (H412)   |       | 1-3            |
| Hydrogen peroxide        | 231-765-0 | 7722-84-1  | 01-211948584<br>5-22 | Oxidising liquids, Category 1 (H271)<br>Skin corrosion, Category 1A (H314)<br>Acute toxicity - Oral, Category 4 (H302)<br>Acute toxicity - Inhalation, Category 4 (H332)<br>Specific target organ toxicity - Single exposure, Category 3 (H335)<br>Chronic aquatic toxicity, Category 3 (H412) |       | 1-3            |

**Specific concentration limits**

Hydrogen peroxide:

- Serious eye damage, Category 1 (H318) >= 8% > Eye irritation, Category 2 (H319) >= 5%
- Skin corrosion, Category 1A (H314) >= 70% > Skin corrosion, Category 1B (H314) >= 50% > Skin irritation, Category 2 (H315) >= 35%
- Specific target organ toxicity - Single exposure, Category 3 (H335) >= 35%

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****Inhalation:**

Get medical attention or advice if you feel unwell.

**Skin contact:**

Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.

**Eye contact:**

Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs and persists, get medical attention.

**Ingestion:**

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.

**Self-protection of first aider:**

Consider personal protective equipment as indicated in subsection 8.2.

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

No known effects or symptoms in normal use.

**Skin contact:**

No known effects or symptoms in normal use.

**Eye contact:**

Causes severe irritation.

**Ingestion:**

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**

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

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**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:**

Follow general hygiene considerations recognised as common good workplace practices. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Do not mix with other products unless advised by Diversey. Wash face, hands and any exposed skin thoroughly after handling. Avoid contact with eyes. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

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

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging. Keep out of reach of children.

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:

| Ingredient(s)     | UK - Long term value(s)        | UK - Short term value(s)       |
|-------------------|--------------------------------|--------------------------------|
| Hydrogen peroxide | 1 ppm<br>1.4 mg/m <sup>3</sup> | 2 ppm<br>2.8 mg/m <sup>3</sup> |

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/DMEL oral exposure - Consumer (mg/kg bw)

| Ingredient(s)            | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| alkyl alcohol ethoxylate | -                          | -                             | -                         | -                            |
| Hydrogen peroxide        | -                          | -                             | -                         | -                            |

DNEL/DMEL 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) |
|--------------------------|----------------------------|--|---------------------------|---|
| alkyl alcohol ethoxylate | -                          | -  | -                         | -                                       |
| Hydrogen peroxide        | -                          | -  | -                         | -                                       |

DNEL/DMEL 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) |
|--------------------------|----------------------------|--|---------------------------|---|
| alkyl alcohol ethoxylate | -                          | -  | -                         | -                                       |
| Hydrogen peroxide        | -                          | -  | -                         | -                                       |

DNEL/DMEL 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 |
|--------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| alkyl alcohol ethoxylate | -                          | -                             | -                         | -                            |
| Hydrogen peroxide        | 3                          | -                             | 1.4                       | -                            |

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

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| Ingredient(s)            | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| alkyl alcohol ethoxylate | -                          | -                             | -                         | -                            |
| Hydrogen peroxide        | 1.93                       | -                             | 0.21                      | -                            |

**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) |
|--------------------------|-----------------------------|------------------------------|---------------------|-------------------------------|
| alkyl alcohol ethoxylate | -                           | -                            | -                   | -                             |
| Hydrogen peroxide        | 0.0126                      | 0.0126                       | 0.0138              | 4.66                          |

Environmental exposure - PNEC, continued

| Ingredient(s)            | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg) | Air (mg/m <sup>3</sup> ) |
|--------------------------|------------------------------|--------------------------|--------------|--------------------------|
| alkyl alcohol ethoxylate | -                            | -                        | -            | -                        |
| Hydrogen peroxide        | 0.047                        | 0.047                    | 0.0023       | -                        |

**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:** Avoid direct contact and/or splashes where possible. Train personnel.

**REACH use scenarios considered for the undiluted product:**

|                                    | SWED - Sector-specific worker exposure description | LCS | PROC    | Duration (min) | ERC   |
|------------------------------------|--|-----|---------|----------------|-------|
| PC35-Washing and cleaning products | PC35-Washing and cleaning products                 | C   | -       | -              | ERC8a |
| Manual transfer and dilution       | AISE_SWED_PW_8a_2                                  | PW  | PROC 8a | 60             | ERC8a |
| Manual transfer and dilution       | AISE_SWED_PW_8b_2                                  | PW  | PROC 8b | 60             | ERC8b |

**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 16321 / 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.

Recommended safety measures for handling the diluted product:

**Recommended maximum concentration (% w/w):** 1

**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 diluted product:**

|   | SWED                               | LCS | PROC    | Duration (min) | ERC   |
|---|------------------------------------|-----|---------|----------------|-------|
| PC35-Washing and cleaning products                | PC35-Washing and cleaning products | C   | -       | -              | ERC8a |
| 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:** No special requirements under normal use conditions.

**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

**Physical state:** Liquid

**Colour:** Clear , from Green to Green

**Odour:** Product specific

**Odour threshold:** Not applicable

**Melting point/freezing point (°C):** Not determined

**Initial boiling point and boiling range (°C):** Not determined

#### Method / remark

Not relevant to classification of this product  
See substance data

Substance data, boiling point

| Ingredient(s)            | Value (°C) | Method           | Atmospheric pressure (hPa) |
|--------------------------|------------|------------------|----------------------------|
| alkyl alcohol ethoxylate | > 232      |                  |                            |
| Hydrogen peroxide        | 150.2      | Method not given |                            |

#### Method / remark

**Flammability (solid, gas):** Not applicable to liquids

**Flammability (liquid):** Not flammable.

**Flash point (°C):** Not applicable.

**Sustained combustion:** Not applicable.

( UN Manual of Tests and Criteria, section 32, L.2 )

**Lower and upper explosion limit/flammability limit (%):** Not determined

Substance data, flammability or explosive limits, if available:

#### Method / remark

**Autoignition temperature:** Not determined

**Decomposition temperature:** Not applicable.

**pH:** ≈ 6 (neat)

**Dilution pH:** ≈ 6 (1 %)

**Kinematic viscosity:** ≈ 150 mPa.s (20 °C)

**Solubility in / Miscibility with water:** Fully miscible

ISO 4316

ISO 4316

Substance data, solubility in water

| Ingredient(s)            | Value (g/l) | Method           | Temperature (°C) |
|--------------------------|-------------|------------------|------------------|
| alkyl alcohol ethoxylate | Soluble     | Method not given |                  |
| Hydrogen peroxide        | 1000        | Method not given | 20               |

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

#### Method / remark

**Vapour pressure:** Not determined

See substance data

Substance data, vapour pressure

| Ingredient(s)            | Value (Pa) | Method           | Temperature (°C) |
|--------------------------|------------|------------------|------------------|
| alkyl alcohol ethoxylate | 10         |                  | 37               |
| Hydrogen peroxide        | 214        | Method not given | 20               |

#### Method / remark

**Relative density:** ≈ 1.01 (20 °C)

**Relative vapour density:** No data available.

**Particle characteristics:** No data available.

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

Weight of evidence

#### 9.2.2 Other safety characteristics

No other relevant information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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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 hazard classes as defined in Regulation (EC) No 1272/2008**

Mixture data: .

**Relevant calculated ATE(s):**

ATE - Oral (mg/kg): >2000

ATE - Inhalatory, vapours (mg/l): >20

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 Oral (mg/kg) |
|--------------------------|------------------|---------------|---------|--------------------|-------------------|------------------|
| alkyl alcohol ethoxylate | LD <sub>50</sub> | > 300-2000    | Rat     | Method not given   |                   | 1400             |
| Hydrogen peroxide        | LD <sub>50</sub> | > 300-2000    | Rat     | Weight of evidence |                   | 40000            |

Acute dermal toxicity

| Ingredient(s)            | Endpoint         | Value (mg/kg) | Species | Method  | Exposure time (h) | ATE Dermal (mg/kg) |
|--------------------------|------------------|---------------|---------|---|-------------------|--------------------|
| alkyl alcohol ethoxylate | LD <sub>50</sub> | > 2000        | Rabbit  | Method not given                              |                   | Not established    |
| Hydrogen peroxide        | LD <sub>50</sub> | > 2000        | Rabbit  | Substance was tested as 35 % aqueous solution |                   | Not established    |

Acute inhalative toxicity

| Ingredient(s)            | Endpoint        | Value (mg/l)                   | Species | Method           | Exposure time (h) |
|--------------------------|-----------------|--------------------------------|---------|------------------|-------------------|
| alkyl alcohol ethoxylate |                 | No data available              |         |                  |                   |
| Hydrogen peroxide        | LC <sub>0</sub> | No mortality observed (vapour) | Rat     | Method not given | 4                 |

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) |
|--------------------------|-------------------------------|-------------------------------|---------------------------------|------------------------------|
| alkyl alcohol ethoxylate | Not established               | Not established               | Not established                 | Not established              |
| Hydrogen peroxide        | Not established               | Not established               | 11                              | Not established              |

**Irritation and corrosivity**

Skin irritation and corrosivity

| Ingredient(s)            | Result       | Species | Method           | Exposure time |
|--------------------------|--------------|---------|------------------|---------------|
| alkyl alcohol ethoxylate | Not irritant | Rabbit  | Method not given |               |
| Hydrogen peroxide        | Corrosive    | Rabbit  | Method not given |               |

Eye irritation and corrosivity

| Ingredient(s)            | Result        | Species | Method           | Exposure time |
|--------------------------|---------------|---------|------------------|---------------|
| alkyl alcohol ethoxylate | Severe damage | Rabbit  | Method not given |               |

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|                   |           |        |                  |  |
|-------------------|-----------|--------|------------------|--|
| Hydrogen peroxide | Corrosive | Rabbit | Method not given |  |
|-------------------|-----------|--------|------------------|--|

## Respiratory tract irritation and corrosivity

| Ingredient(s)            | Result                              | Species | Method           | Exposure time |
|--------------------------|-------------------------------------|---------|------------------|---------------|
| alkyl alcohol ethoxylate | Not irritating to respiratory tract |         |                  |               |
| Hydrogen peroxide        | Irritating to respiratory tract     |         | Method not given |               |

## Sensitisation

## Sensitisation by skin contact

| Ingredient(s)            | Result          | Species    | Method           | Exposure time (h) |
|--------------------------|-----------------|------------|------------------|-------------------|
| alkyl alcohol ethoxylate | Not sensitising | Guinea pig | Method not given |                   |
| Hydrogen peroxide        | Not sensitising | Guinea pig | Method not given |                   |

## Sensitisation by inhalation

| Ingredient(s)            | Result            | Species | Method | Exposure time |
|--------------------------|-------------------|---------|--------|---------------|
| alkyl alcohol ethoxylate | No data available |         |        |               |
| Hydrogen peroxide        | 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) |
|--------------------------|---|-----------------------|--|------------------|
| alkyl alcohol ethoxylate | No evidence for mutagenicity, negative test results | Method not given      | No data available                                  |                  |
| Hydrogen peroxide        | No evidence for mutagenicity                        | OECD 471 (EU B.12/13) | No evidence of genotoxicity, negative test results | Method not given |

## Carcinogenicity

| Ingredient(s)            | Effect   |
|--------------------------|--|
| alkyl alcohol ethoxylate | No evidence for carcinogenicity, negative test results |
| Hydrogen peroxide        | No evidence for carcinogenicity, negative test results |

## Toxicity for reproduction

| Ingredient(s)            | Endpoint | Specific effect | Value (mg/kg bw/d) | Species | Method | Exposure time | Remarks and other effects reported               |
|--------------------------|----------|-----------------|--------------------|---------|--------|---------------|--|
| alkyl alcohol ethoxylate | NOAEL    |                 | > 250              | Rat     |        |               | No known significant effects or critical hazards |
| Hydrogen peroxide        |          |                 | No data available  |         |        |               | No evidence for reproductive toxicity            |

## 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 |
|--------------------------|----------|--------------------|---------|--------------------|----------------------|--------------------------------------|
| alkyl alcohol ethoxylate |          | No data available  |         |                    |                      |                                      |
| Hydrogen peroxide        | NOAEL    | 100                | Mouse   | OECD 408 (EU B.26) | 90                   |                                      |

## Sub-chronic dermal toxicity

| Ingredient(s)            | Endpoint | Value (mg/kg bw/d) | Species | Method             | Exposure time (days) | Specific effects and organs affected |
|--------------------------|----------|--------------------|---------|--------------------|----------------------|--------------------------------------|
| alkyl alcohol ethoxylate | NOAEL    | 80                 |         | OECD 411 (EU B.28) |                      |                                      |
| Hydrogen peroxide        |          | 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 |
|--------------------------|----------|--------------------|---------|--------------------|----------------------|--------------------------------------|
| alkyl alcohol ethoxylate |          | No data available  |         |                    |                      |                                      |
| Hydrogen peroxide        | NOAEL    | 7                  | Mouse   | OECD 413 (EU B.29) | 28                   |                                      |

## Chronic toxicity

| Ingredient(s)            | Exposure route | Endpoint | Value (mg/kg bw/d) | Species | Method     | Exposure time | Specific effects and organs affected | Remark |
|--------------------------|----------------|----------|--------------------|---------|------------|---------------|--------------------------------------|--------|
| alkyl alcohol ethoxylate |                | NOAEL    | 80                 |         | Method not |               |                                      |        |

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|                   |  |  |                   |  |       |  |  |  |
|-------------------|--|--|-------------------|--|-------|--|--|--|
|                   |  |  |                   |  | given |  |  |  |
| Hydrogen peroxide |  |  | No data available |  |       |  |  |  |

## STOT-single exposure

| Ingredient(s)            | Affected organ(s) |
|--------------------------|-------------------|
| alkyl alcohol ethoxylate | Not applicable    |
| Hydrogen peroxide        | No data available |

## STOT-repeated exposure

| Ingredient(s)            | Affected organ(s) |
|--------------------------|-------------------|
| alkyl alcohol ethoxylate | Not applicable    |
| Hydrogen peroxide        | 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) |
|--------------------------|------------------|--------------|----------------------------|--------------------|-------------------|
| alkyl alcohol ethoxylate | LC <sub>50</sub> | 5 - 7        | Fish                       | OECD 203 (EU C.1)  | 96                |
| Hydrogen peroxide        | LC <sub>50</sub> | 16.4         | <i>Pimephales promelas</i> | EPA-OPPTS 850.1075 | 96                |

Aquatic short-term toxicity - crustacea

| Ingredient(s)            | Endpoint         | Value (mg/l) | Species                     | Method           | Exposure time (h) |
|--------------------------|------------------|--------------|-----------------------------|------------------|-------------------|
| alkyl alcohol ethoxylate | EC <sub>50</sub> | 5.3          | <i>Daphnia magna</i> Straus | 92/69/EEC        | 48                |
| Hydrogen peroxide        | EC <sub>50</sub> | 2.4          | <i>Daphnia pulex</i>        | Method not given | 48                |

Aquatic short-term toxicity - algae

| Ingredient(s)            | Endpoint         | Value (mg/l) | Species                              | Method            | Exposure time (h) |
|--------------------------|------------------|--------------|--------------------------------------|-------------------|-------------------|
| alkyl alcohol ethoxylate | EC <sub>50</sub> | 1.4 - 47     | Not specified                        | 92/69/EEC         | 72                |
| Hydrogen peroxide        | EC <sub>50</sub> | 1.38         | <i>Skeletonema costatum</i> (marine) | OECD 201 (EU C.3) | 72                |

Aquatic short-term toxicity - marine species

| Ingredient(s)            | Endpoint          | Value (mg/l)      | Species                     | Method           | Exposure time (days) |
|--------------------------|-------------------|-------------------|-----------------------------|------------------|----------------------|
| alkyl alcohol ethoxylate |                   | No data available |                             |                  |                      |
| Hydrogen peroxide        | ErC <sub>50</sub> | 1.38              | <i>Skeletonema costatum</i> | Method not given | 72                   |

Impact on sewage plants - toxicity to bacteria

| Ingredient(s)            | Endpoint         | Value (mg/l) | Inoculum | Method           | Exposure time |
|--------------------------|------------------|--------------|----------|------------------|---------------|
| alkyl alcohol ethoxylate | EC <sub>50</sub> | > 140        | Bacteria | Method not given |               |



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|                   |                  |     |                  |                  |  |
|-------------------|------------------|-----|------------------|------------------|--|
| Hydrogen peroxide | EC <sub>50</sub> | 466 | Activated sludge | Method not given |  |
|-------------------|------------------|-----|------------------|------------------|--|

**Aquatic long-term toxicity**

Aquatic long-term toxicity - fish

| Ingredient(s)            | Endpoint         | Value (mg/l) | Species                    | Method           | Exposure time | Effects observed |
|--------------------------|------------------|--------------|----------------------------|------------------|---------------|------------------|
| alkyl alcohol ethoxylate | EC <sub>10</sub> | 8983         | <i>Not specified</i>       | Method not given | 21 day(s)     |                  |
| Hydrogen peroxide        | NOEC             | 4.3          | <i>Pimephales promelas</i> | Method not given | 96 hour(s)    |                  |

Aquatic long-term toxicity - crustacea

| Ingredient(s)            | Endpoint | Value (mg/l) | Species              | Method           | Exposure time | Effects observed |
|--------------------------|----------|--------------|----------------------|------------------|---------------|------------------|
| alkyl alcohol ethoxylate |          | 2579         | <i>Daphnia magna</i> | Method not given | 21 day(s)     |                  |
| Hydrogen peroxide        | NOEC     | 0.63         | <i>Daphnia magna</i> | Method not given | 21 day(s)     |                  |

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 |
|--------------------------|----------|---------------------------|---------|--------|----------------------|------------------|
| alkyl alcohol ethoxylate |          | No data available         |         |        |                      |                  |
| Hydrogen peroxide        |          | 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 |
|-------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Hydrogen peroxide |          | No data available     |         |        |                      |                  |

Terrestrial toxicity - plants, if available:

| Ingredient(s)     | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|-------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Hydrogen peroxide |          | No data available     |         |        |                      |                  |

Terrestrial toxicity - birds, if available:

| Ingredient(s)     | Endpoint | Value             | Species | Method | Exposure time (days) | Effects observed |
|-------------------|----------|-------------------|---------|--------|----------------------|------------------|
| Hydrogen peroxide |          | No data available |         |        |                      |                  |

Terrestrial toxicity - beneficial insects, if available:

| Ingredient(s)     | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|-------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Hydrogen peroxide |          | No data available     |         |        |                      |                  |

Terrestrial toxicity - soil bacteria, if available:

| Ingredient(s)     | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|-------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Hydrogen peroxide |          | No data available     |         |        |                      |                  |

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

Abiotic degradation - photodegradation in air, if available:

| Ingredient(s)     | Half-life time | Method           | Evaluation | Remark |
|-------------------|----------------|------------------|------------|--------|
| Hydrogen peroxide | 24 hour(s)     | Method not given | OH radical |        |

Abiotic degradation - hydrolysis, if available:

| Ingredient(s)     | Half-life time in fresh water | Method | Evaluation | Remark |
|-------------------|-------------------------------|--------|------------|--------|
| Hydrogen peroxide | No data available             |        |            |        |

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Abiotic degradation - other processes, if available:

| Ingredient(s)     | Type | Half-life time    | Method | Evaluation | Remark |
|-------------------|------|-------------------|--------|------------|--------|
| Hydrogen peroxide |      | No data available |        |            |        |

**Biodegradation**

Ready biodegradability - aerobic conditions

| Ingredient(s)            | Inoculum                 | Analytical method                       | DT <sub>50</sub>     | Method           | Evaluation                           |
|--------------------------|--------------------------|---|----------------------|------------------|--------------------------------------|
| alkyl alcohol ethoxylate |                          |   | 80%                  | Method not given | Readily biodegradable                |
| Hydrogen peroxide        | Activated sludge, aerobe | Specific analysis (primary degradation) | > 50 % in < 1 day(s) |                  | Not applicable (inorganic substance) |

Ready biodegradability - anaerobic and marine conditions, if available:

| Ingredient(s)     | Medium & Type | Analytical method | DT <sub>50</sub> | Method | Evaluation        |
|-------------------|---------------|-------------------|------------------|--------|-------------------|
| Hydrogen peroxide |               |                   |                  |        | No data available |

Degradation in relevant environmental compartments, if available:

| Ingredient(s)     | Medium & Type | Analytical method | DT <sub>50</sub> | Method | Evaluation        |
|-------------------|---------------|-------------------|------------------|--------|-------------------|
| Hydrogen peroxide |               |                   |                  |        | No data available |

**12.3 Bioaccumulative potential**

Partition coefficient n-octanol/water (log Kow)

| Ingredient(s)            | Value       | Method | Evaluation                  | Remark |
|--------------------------|-------------|--------|-----------------------------|--------|
| alkyl alcohol ethoxylate | 3.11 - 4.19 |        |                             |        |
| Hydrogen peroxide        | -1.57       |        | No bioaccumulation expected |        |

Bioconcentration factor (BCF)

| Ingredient(s)            | Value | Species | Method | Evaluation                        | Remark |
|--------------------------|-------|---------|--------|-----------------------------------|--------|
| alkyl alcohol ethoxylate | < 500 |         |        |                                   |        |
| Hydrogen peroxide        | 1.4   |         | QSAR   | Low potential for bioaccumulation |        |

**12.4 Mobility in soil**

Adsorption/Desorption to soil or sediment

| Ingredient(s)            | Adsorption coefficient Log K <sub>oc</sub> | Desorption coefficient Log K <sub>oc</sub> (des) | Method | Soil/sediment type | Evaluation                          |
|--------------------------|--|--|--------|--------------------|-------------------------------------|
| alkyl alcohol ethoxylate | No data available                          |  |        |                    | High potential for mobility in soil |
| Hydrogen peroxide        | 2  |  |        |                    | Mobile in soil                      |

**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.

20 01 29\* - detergents containing dangerous substances.

**European Waste Catalogue:****Empty packaging****Recommendation:****Suitable cleaning agents:**

Dispose of observing national or local regulations.

Water, if necessary with cleaning agent.

**SECTION 14: Transport information****Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)**

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- 14.1 UN number or ID 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 Maritime transport in bulk according to IMO instruments: Non-dangerous goods

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations :**

- Regulation (EC) 1907/2006 - REACH (UK amended)
- Regulation (EC) 1272/2008 - CLP (UK amended)
- Regulation (EC) 648/2004 - Detergents regulation (UK amended)
- Delegated Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (UK amended)
- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- International Maritime Dangerous Goods (IMDG) Code
- Control of Poisons and Explosives Precursors Regulations 2015

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

**Ingredients according to Detergents Regulation**

non-ionic surfactants, oxygen-based bleaching agents, polycarboxylates  
perfumes, Hydroxycitronellal

< 5 %

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents (UK amended). Data to support this assertion are held at the disposal of the competent authorities of the UK and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Comah - 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:** MSDS3757

**Version:** 11.1

**Revision:** 2024-08-07

**Reason for revision:**

This data sheet contains changes from the previous version in section(s):, Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006, 1, 6, 7, 8, 16

**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.

**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 - Organisation for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories

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- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- H271 - May cause fire or explosion; strong oxidiser.
- H302 - Harmful if swallowed.
- H318 - Causes serious eye damage.
- H332 - Harmful if inhaled.
- H335 - May cause respiratory irritation.
- H412 - Harmful to aquatic life with long lasting effects.

**End of Safety Data Sheet**