



## Cif Professional Wood Polish

Revision: 2018-01-25

Version: 08.1

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

#### 1.1 Product identifier

**Trade name:** Cif Professional Wood Polish

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

##### Identified uses:

AISE-P601 - Furniture care product. Manual process

AISE-P602 - Furniture care product. Spray and wipe manual process

AISE-C20 - Furniture floor & leather care (spray, liquid) for consumer use

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

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

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

#### Contact details

Unilever UK Ltd., Freepost ADM1000, London SW1A 2XX

Tel: 0800 776647

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

For medical or environmental emergency only:

call 0800 052 0185

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Aquatic Chronic 3 (H412)

#### 2.2 Label elements

Contains EUH208: 1,2-benzisothiazol-3(2H)-one (Benzisothiazolinone)

#### Hazard statements:

EUH208 - May produce an allergic reaction.

H412 - Harmful to aquatic life with long lasting effects.

#### Precautionary statements:

P102 - Keep out of reach of children.

P501 - Dispose of unused content as chemical waste.

#### 2.3 Other hazards

No other hazards known

The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

| Ingredient(s)                | EC number | CAS number | REACH number      | Classification  | Notes | Weight percent |
|------------------------------|-----------|------------|-------------------|---|-------|----------------|
| alkanes, C9-12 iso-          | 292-459-0 | 90622-57-4 | 01-2119471991-29  | Flam. Liq. 3 (H226)<br>Asp. Tox. 1 (H304)<br>EUH066<br>Aquatic Chronic 2 (H411) |       | 10-20          |
| alkyl alcohol ethoxylate     | Polymer*  | 64425-86-1 | [4]               | Acute Tox. 4 (H302)<br>Eye Dam. 1 (H318)<br>Aquatic Acute 1 (H400)              |       | 0.1-1          |
| 1,2-benzisothiazol-3(2H)-one | 220-120-9 | 2634-33-5  | No data available | Acute Tox. 4 (H302)   |       | 0.01-0.1       |

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|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
|  |  |  |  | Skin Irrit. 2 (H315)<br>Eye Dam. 1 (H318)<br>Skin Sens. 1 (H317)<br>Aquatic Acute 1 (H400) |  |  |
|--|--|--|--|--|--|--|

\* Polymer.

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

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

[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.

[2] Exempted: included in Annex IV of Regulation (EC) No 1907/2006.

[3] Exempted: Annex V of Regulation (EC) No 1907/2006.

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

## 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>                   | If skin irritation occurs: Get medical advice or attention. Wash skin with plenty of lukewarm, gently flowing water. |
| <b>Eye contact:</b>                    | If irritation occurs and persists, get medical attention. Rinse cautiously with water for several minutes.           |
| <b>Ingestion:</b>                      | Get medical attention or advice if you feel unwell. Immediately drink 1 glass of water. Rinse mouth.                 |
| <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

Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Dilute with plenty of water. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

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

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

### 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. 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 hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Use personal protective

equipment as required. Use only with adequate ventilation.

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

Store in accordance with local and national regulations. Keep only in original container. Store in a closed container. 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 |
|------------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| alkanes, C9-12 iso-          | No data available          | No data available             | No data available         | No data available            |
| alkyl alcohol ethoxylate     | No data available          | No data available             | No data available         | No data available            |
| 1,2-benzisothiazol-3(2H)-one | -                          | -                             | -                         | -                            |

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) |
|------------------------------|----------------------------|--|---------------------------|---|
| alkanes, C9-12 iso-          | No data available          | No data available                        | No data available         | No data available                       |
| alkyl alcohol ethoxylate     | No data available          | No data available                        | No data available         | No data available                       |
| 1,2-benzisothiazol-3(2H)-one | -                          | -  | -                         | -                                       |

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) |
|------------------------------|----------------------------|--|---------------------------|---|
| alkanes, C9-12 iso-          | No data available          | No data available                        | No data available         | No data available                       |
| alkyl alcohol ethoxylate     | No data available          | No data available                        | No data available         | No data available                       |
| 1,2-benzisothiazol-3(2H)-one | -                          | -  | -                         | -                                       |

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 |
|------------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| alkanes, C9-12 iso-          | No data available          | No data available             | No data available         | No data available            |
| alkyl alcohol ethoxylate     | No data available          | No data available             | No data available         | No data available            |
| 1,2-benzisothiazol-3(2H)-one | -                          | -                             | -                         | -                            |

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 |
|------------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| alkanes, C9-12 iso-          | No data available          | No data available             | No data available         | No data available            |
| alkyl alcohol ethoxylate     | No data available          | No data available             | No data available         | No data available            |
| 1,2-benzisothiazol-3(2H)-one | -                          | -                             | -                         | -                            |

#### 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) |
|------------------------------|-----------------------------|------------------------------|---------------------|-------------------------------|
| alkanes, C9-12 iso-          | No data available           | No data available            | No data available   | No data available             |
| alkyl alcohol ethoxylate     | No data available           | No data available            | No data available   | No data available             |
| 1,2-benzisothiazol-3(2H)-one | -                           | -                            | -                   | -                             |

Environmental exposure - PNEC, continued

| Ingredient(s)                | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg)      | Air (mg/m <sup>3</sup> ) |
|------------------------------|------------------------------|--------------------------|-------------------|--------------------------|
| alkanes, C9-12 iso-          | No data available            | No data available        | No data available | No data available        |
| alkyl alcohol ethoxylate     | No data available            | No data available        | No data available | No data available        |
| 1,2-benzisothiazol-3(2H)-one | -                            | -                        | -                 | -                        |

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## 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:** Provide a good standard of general ventilation.  
**Appropriate organisational controls:** Avoid direct contact and/or splashes where possible. Train personnel.

**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:** Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.  
**Body protection:** No special requirements under normal use conditions.  
**Respiratory protection:** Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided.

**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**

**Physical State:** Liquid  
**Colour:** Milky, White  
**Odour:** Slightly perfumed  
**Odour threshold:** Not applicable  
**pH:** 5 (neat)  
**Melting point/freezing point (°C):** Not determined  
**Initial boiling point and boiling range (°C):** Not determined

Not relevant to classification of this product

Substance data, boiling point

| Ingredient(s)                | Value (°C)        | Method             | Atmospheric pressure (hPa) |
|------------------------------|-------------------|--------------------|----------------------------|
| alkanes, C9-12 iso-          | 140-200           | Non guideline test |                            |
| alkyl alcohol ethoxylate     | No data available |                    |                            |
| 1,2-benzisothiazol-3(2H)-one | No data available |                    |                            |

**Method / remark**

**Flash point (°C):** > 61  
**Sustained combustion:** Not applicable.  
*( UN Manual of Tests and Criteria, section 32, L.2 )*  
**Evaporation rate:** Not determined  
**Flammability (solid, gas):** Not determined  
**Upper/lower flammability limit (%):** Not determined

Substance data, flammability or explosive limits, if available:

| Ingredient(s)       | Lower limit (% vol) | Upper limit (% vol) |
|---------------------|---------------------|---------------------|
| alkanes, C9-12 iso- | 0.6                 | 7                   |

**Method / remark**

**Vapour pressure:** Not determined

Substance data, vapour pressure

| Ingredient(s)                | Value (Pa)        | Method           | Temperature (°C) |
|------------------------------|-------------------|------------------|------------------|
| alkanes, C9-12 iso-          | 200               | Method not given | 20               |
| alkyl alcohol ethoxylate     | No data available |                  |                  |
| 1,2-benzisothiazol-3(2H)-one | No data available |                  |                  |

**Method / remark**

**Vapour density:** Not determined  
**Relative density:** ≈ 0.95 (20 °C)  
**Solubility in / Miscibility with Water:** Fully miscible

Substance data, solubility in water

| Ingredient(s) | Value (g/l) | Method | Temperature (°C) |
|---------------|-------------|--------|------------------|
|---------------|-------------|--------|------------------|

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|                              |                   |  |  |
|------------------------------|-------------------|--|--|
| alkanes, C9-12 iso-          | Insoluble         |  |  |
| alkyl alcohol ethoxylate     | No data available |  |  |
| 1,2-benzisothiazol-3(2H)-one | No data available |  |  |

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

## Method / remark

**Autoignition temperature:** Not determined  
**Decomposition temperature:** Not applicable.  
**Viscosity:** Not determined 150 mPa.s (20 °C)  
**Explosive properties:** Not explosive.  
**Oxidising properties:** Not oxidising.

## 9.2 Other information

**Surface tension (N/m):** Not determined  
**Corrosion to metals:** Not corrosive

Not relevant to classification of this product

Substance data, dissociation constant, if 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

No data is available on the mixture.

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) |
|------------------------------|------------------|-------------------|---------|-------------------|-------------------|
| alkanes, C9-12 iso-          | LD <sub>50</sub> | > 5000            | Rat     | OECD 401 (EU B.1) |                   |
| alkyl alcohol ethoxylate     |                  | No data available |         |                   |                   |
| 1,2-benzisothiazol-3(2H)-one | LD <sub>50</sub> | > 2000            | Rat     |                   |                   |

Acute dermal toxicity

| Ingredient(s)                | Endpoint         | Value (mg/kg)     | Species | Method            | Exposure time (h) |
|------------------------------|------------------|-------------------|---------|-------------------|-------------------|
| alkanes, C9-12 iso-          | LD <sub>50</sub> | > 5000            | Rabbit  | OECD 402 (EU B.3) |                   |
| alkyl alcohol ethoxylate     |                  | No data available |         |                   |                   |
| 1,2-benzisothiazol-3(2H)-one | LD <sub>50</sub> | > 2000            | Rat     | OECD 402 (EU B.3) |                   |

Acute inhalative toxicity

| Ingredient(s)                | Endpoint         | Value (mg/l)      | Species | Method            | Exposure time (h) |
|------------------------------|------------------|-------------------|---------|-------------------|-------------------|
| alkanes, C9-12 iso-          | LC <sub>50</sub> | > 5 (vapour)      | Rat     | OECD 403 (EU B.2) | 8                 |
| alkyl alcohol ethoxylate     |                  | No data available |         |                   |                   |
| 1,2-benzisothiazol-3(2H)-one |                  | No data available |         |                   |                   |

**Irritation and corrosivity**

## Skin irritation and corrosivity

| Ingredient(s)                | Result            | Species | Method            | Exposure time |
|------------------------------|-------------------|---------|-------------------|---------------|
| alkanes, C9-12 iso-          | Not irritant      |         | OECD 404 (EU B.4) |               |
| alkyl alcohol ethoxylate     | No data available |         |                   |               |
| 1,2-benzisothiazol-3(2H)-one | Corrosive         |         |                   |               |

## Eye irritation and corrosivity

| Ingredient(s)                | Result                    | Species | Method            | Exposure time |
|------------------------------|---------------------------|---------|-------------------|---------------|
| alkanes, C9-12 iso-          | Not corrosive or irritant |         | OECD 405 (EU B.5) |               |
| alkyl alcohol ethoxylate     | No data available         |         |                   |               |
| 1,2-benzisothiazol-3(2H)-one | No data available         |         |                   |               |

## Respiratory tract irritation and corrosivity

| Ingredient(s)                | Result            | Species | Method | Exposure time |
|------------------------------|-------------------|---------|--------|---------------|
| alkanes, C9-12 iso-          | No data available |         |        |               |
| alkyl alcohol ethoxylate     | No data available |         |        |               |
| 1,2-benzisothiazol-3(2H)-one | No data available |         |        |               |

**Sensitisation**

## Sensitisation by skin contact

| Ingredient(s)                | Result            | Species    | Method                           | Exposure time (h) |
|------------------------------|-------------------|------------|----------------------------------|-------------------|
| alkanes, C9-12 iso-          | Not sensitising   |            | OECD 406 (EU B.6) / Buehler test |                   |
| alkyl alcohol ethoxylate     | No data available |            |                                  |                   |
| 1,2-benzisothiazol-3(2H)-one | Sensitising       | Guinea pig |                                  |                   |

## Sensitisation by inhalation

| Ingredient(s)                | Result            | Species | Method | Exposure time |
|------------------------------|-------------------|---------|--------|---------------|
| alkanes, C9-12 iso-          | No data available |         |        |               |
| alkyl alcohol ethoxylate     | No data available |         |        |               |
| 1,2-benzisothiazol-3(2H)-one | 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)            |
|------------------------------|---|--------------------------------|---|-----------------------------|
| alkanes, C9-12 iso-          | No evidence for mutagenicity, negative test results | OECD 471 (EU B.12/13) OECD 473 | No evidence for mutagenicity, negative test results | OECD 474 (EU B.12) OECD 478 |
| alkyl alcohol ethoxylate     | No data available                                   |                                | No data available                                   |                             |
| 1,2-benzisothiazol-3(2H)-one | No evidence for mutagenicity, negative test results | OECD 471 (EU B.12/13)          | No data available                                   |                             |

## Carcinogenicity

| Ingredient(s)                | Effect   |
|------------------------------|--|
| alkanes, C9-12 iso-          | No evidence for carcinogenicity, negative test results |
| alkyl alcohol ethoxylate     | No data available                                      |
| 1,2-benzisothiazol-3(2H)-one | 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    |
|------------------------------|----------|-----------------|--------------------|---------|--------|---------------|---------------------------------------|
| alkanes, C9-12 iso-          |          |                 | No data available  |         |        |               | No evidence for reproductive toxicity |
| alkyl alcohol ethoxylate     |          |                 | No data available  |         |        |               |                                       |
| 1,2-benzisothiazol-3(2H)-one |          |                 | 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 |
|------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| alkanes, C9-12 iso-          |          | No data available  |         |        |                      |                                      |
| alkyl alcohol ethoxylate     |          | No data available  |         |        |                      |                                      |
| 1,2-benzisothiazol-3(2H)-one |          | No data available  |         |        |                      |                                      |

## Sub-chronic dermal toxicity

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| Ingredient(s)                | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| alkanes, C9-12 iso-          |          | No data available  |         |        |                      |                                      |
| alkyl alcohol ethoxylate     |          | No data available  |         |        |                      |                                      |
| 1,2-benzisothiazol-3(2H)-one |          | 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 |
|------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| alkanes, C9-12 iso-          |          | No data available  |         |        |                      |                                      |
| alkyl alcohol ethoxylate     |          | No data available  |         |        |                      |                                      |
| 1,2-benzisothiazol-3(2H)-one |          | 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 |
|------------------------------|----------------|----------|--------------------|---------|--------|---------------|--------------------------------------|--------|
| alkanes, C9-12 iso-          |                |          | No data available  |         |        |               |                                      |        |
| alkyl alcohol ethoxylate     |                |          | No data available  |         |        |               |                                      |        |
| 1,2-benzisothiazol-3(2H)-one |                |          | No data available  |         |        |               |                                      |        |

## STOT-single exposure

| Ingredient(s)                | Affected organ(s) |
|------------------------------|-------------------|
| alkanes, C9-12 iso-          | No data available |
| alkyl alcohol ethoxylate     | No data available |
| 1,2-benzisothiazol-3(2H)-one | No data available |

## STOT-repeated exposure

| Ingredient(s)                | Affected organ(s) |
|------------------------------|-------------------|
| alkanes, C9-12 iso-          | No data available |
| alkyl alcohol ethoxylate     | No data available |
| 1,2-benzisothiazol-3(2H)-one | No data available |

## Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

## Potential adverse health effects and symptoms

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

## 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) |
|------------------------------|-----------------|-------------------|----------------------------|------------------|-------------------|
| alkanes, C9-12 iso-          | LC <sub>0</sub> | 1000              | <i>Oncorhynchus mykiss</i> | Method not given | 96                |
| alkyl alcohol ethoxylate     |                 | No data available |                            |                  |                   |
| 1,2-benzisothiazol-3(2H)-one |                 | No data available |                            |                  |                   |

Aquatic short-term toxicity - crustacea

| Ingredient(s)                | Endpoint        | Value (mg/l)      | Species                     | Method           | Exposure time (h) |
|------------------------------|-----------------|-------------------|-----------------------------|------------------|-------------------|
| alkanes, C9-12 iso-          | EC <sub>0</sub> | 1000              | <i>Daphnia magna</i> Straus | Method not given | 48                |
| alkyl alcohol ethoxylate     |                 | No data available |                             |                  |                   |
| 1,2-benzisothiazol-3(2H)-one |                 | No data available |                             |                  |                   |

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## Aquatic short-term toxicity - algae

| Ingredient(s)                | Endpoint        | Value (mg/l)      | Species                                | Method           | Exposure time (h) |
|------------------------------|-----------------|-------------------|--|------------------|-------------------|
| alkanes, C9-12 iso-          | EC <sub>0</sub> | 1000              | <i>Pseudokirchneriella subcapitata</i> | Method not given | 72                |
| alkyl alcohol ethoxylate     |                 | No data available |  |                  |                   |
| 1,2-benzisothiazol-3(2H)-one |                 | No data available |  |                  |                   |

## Aquatic short-term toxicity - marine species

| Ingredient(s)                | Endpoint | Value (mg/l)      | Species | Method | Exposure time (days) |
|------------------------------|----------|-------------------|---------|--------|----------------------|
| alkanes, C9-12 iso-          |          | No data available |         |        | -                    |
| alkyl alcohol ethoxylate     |          | No data available |         |        |                      |
| 1,2-benzisothiazol-3(2H)-one |          | No data available |         |        |                      |

## Impact on sewage plants - toxicity to bacteria

| Ingredient(s)                | Endpoint         | Value (mg/l)      | Inoculum                | Method   | Exposure time |
|------------------------------|------------------|-------------------|-------------------------|----------|---------------|
| alkanes, C9-12 iso-          |                  | No data available |                         |          |               |
| alkyl alcohol ethoxylate     |                  | No data available |                         |          |               |
| 1,2-benzisothiazol-3(2H)-one | EC <sub>20</sub> | 3.3               | <i>Activated sludge</i> | OECD 209 | 3 hour(s)     |

## Aquatic long-term toxicity

## Aquatic long-term toxicity - fish

| Ingredient(s)                | Endpoint | Value (mg/l)      | Species | Method | Exposure time | Effects observed |
|------------------------------|----------|-------------------|---------|--------|---------------|------------------|
| alkanes, C9-12 iso-          |          | No data available |         |        |               |                  |
| alkyl alcohol ethoxylate     |          | No data available |         |        |               |                  |
| 1,2-benzisothiazol-3(2H)-one |          | No data available |         |        |               |                  |

## Aquatic long-term toxicity - crustacea

| Ingredient(s)                | Endpoint | Value (mg/l)      | Species              | Method           | Exposure time | Effects observed |
|------------------------------|----------|-------------------|----------------------|------------------|---------------|------------------|
| alkanes, C9-12 iso-          | NOEC     | 0.025             | <i>Daphnia magna</i> | Method not given | 21 day(s)     |                  |
| alkyl alcohol ethoxylate     |          | No data available |                      |                  |               |                  |
| 1,2-benzisothiazol-3(2H)-one |          | 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 |
|------------------------------|----------|---------------------------|---------|--------|----------------------|------------------|
| alkanes, C9-12 iso-          |          | No data available         |         |        | -                    |                  |
| alkyl alcohol ethoxylate     |          | No data available         |         |        |                      |                  |
| 1,2-benzisothiazol-3(2H)-one |          | 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 |
|---------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| alkanes, C9-12 iso- |          | No data available     |         |        | -                    |                  |

## Terrestrial toxicity - plants, if available:

| Ingredient(s)       | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| alkanes, C9-12 iso- |          | No data available     |         |        | -                    |                  |

## Terrestrial toxicity - birds, if available:

| Ingredient(s) | Endpoint | Value | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|-------|---------|--------|----------------------|------------------|
|---------------|----------|-------|---------|--------|----------------------|------------------|

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|                     |  |                   |  |  |   |  |
|---------------------|--|-------------------|--|--|---|--|
| alkanes, C9-12 iso- |  | No data available |  |  | - |  |
|---------------------|--|-------------------|--|--|---|--|

Terrestrial toxicity - beneficial insects, if available:

| Ingredient(s)       | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| alkanes, C9-12 iso- |          | No data available     |         |        | -                    |                  |

Terrestrial toxicity - soil bacteria, if available:

| Ingredient(s)       | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| alkanes, C9-12 iso- |          | No data 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                 |
|------------------------------|----------|-------------------|------------------|--------------------|----------------------------|
| alkanes, C9-12 iso-          |          |                   |                  |                    | No data available          |
| alkyl alcohol ethoxylate     |          |                   |                  | OECD 301B          | Readily biodegradable      |
| 1,2-benzisothiazol-3(2H)-one |          |                   |                  | Weight of evidence | Not readily biodegradable. |

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

| Ingredient(s)                | Medium & Type                     | Analytical method   | DT <sub>50</sub>    | Method           | Evaluation        |
|------------------------------|-----------------------------------|---------------------|---------------------|------------------|-------------------|
| alkanes, C9-12 iso-          | Surface water (fresh)             |                     | 31.3 % in 28 day(s) | Method not given | No data available |
| 1,2-benzisothiazol-3(2H)-one | Sewage treatment plant simulation | Primary degradation | > 90%               | OECD 303A        | Biodegradable     |

**12.3 Bioaccumulative potential**Partition coefficient n-octanol/water (log K<sub>ow</sub>)

| Ingredient(s)                | Value             | Method   | Evaluation                  | Remark |
|------------------------------|-------------------|----------|-----------------------------|--------|
| alkanes, C9-12 iso-          | No data available |          |                             |        |
| alkyl alcohol ethoxylate     | No data available |          |                             |        |
| 1,2-benzisothiazol-3(2H)-one | 0.7               | OECD 107 | No bioaccumulation expected |        |

Bioconcentration factor (BCF)

| Ingredient(s)                | Value             | Species | Method   | Evaluation | Remark |
|------------------------------|-------------------|---------|----------|------------|--------|
| alkanes, C9-12 iso-          | No data available |         |          |            |        |
| alkyl alcohol ethoxylate     | No data available |         |          |            |        |
| 1,2-benzisothiazol-3(2H)-one | 6.95              |         | OECD 305 |            |        |

**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 |
|------------------------------|--|--|--------|--------------------|------------|
| alkanes, C9-12 iso-          | No data available                          |  |        |                    |            |
| alkyl alcohol ethoxylate     | No data available                          |  |        |                    |            |
| 1,2-benzisothiazol-3(2H)-one | 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 Other adverse effects**

No other adverse effects known.

**SECTION 13: Disposal considerations**

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**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 29\* - detergents containing dangerous substances.

**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

**Class:** -

**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 1272/2008 - CLP
- Regulation (EC) No. 1907/2006 - REACH

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

**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:** MSDS7123

**Version:** 08.1

**Revision:** 2018-01-25

**Reason for revision:**

This data sheet contains changes from the previous version in section(s):, 2, 3, 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.

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

- H226 - Flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H304 - May be fatal if swallowed and enters airways.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H400 - Very toxic to aquatic life.
- H411 - Toxic to aquatic life with long lasting effects.
- EUH066 - Repeated exposure may cause skin dryness or cracking.

**Abbreviations and acronyms:**

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- ATE - Acute Toxicity Estimate

**End of Safety Data Sheet**