

**Good Sense Vert O3c**

Revision: 2024-08-04

Version: 01.1

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

**1.1 Product identifier**

**Trade name:** Good Sense Vert O3c

UFI: QN9H-31PK-W000-W55W

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

**Product use:** Odor Control - Continuous Action.  
For professional use only.

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

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

AISE\_SWED\_PW\_4\_1  
AISE\_SWED\_PW\_8a\_2  
AISE\_SWED\_PW\_11\_1  
AISE\_SWED\_PW\_19\_1

**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**

Aerosols, Category 1 (H222)

**2.2 Label elements**



**Signal word:** Danger.

Contains 2,4-dimethylcyclohex-3-ene-1-carbaldehyde (2,4-Dimethyl-3-Cyclohexene Carboxaldehyde), alpha-hexylcinnamaldehyde (Hexyl Cinnamal)

**Hazard statements:**

H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.  
EUH208 - May produce an allergic reaction.

**Precautionary statements:**

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Do not pierce or burn, even after use.  
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

**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 |
|-------------------------------------------|-----------|------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------|
| ethanol                                   | 200-578-6 | 64-17-5    | 01-2119457610-43 | Flammable liquids, Category 2 (H225)                                                                                                                                                   |       | 30-50          |
| butane                                    | 203-448-7 | 106-97-8   | 01-2119474691-32 | Flammable gases, Category 1 (H220)<br>Compressed gas (H280)                                                                                                                            |       | 30-50          |
| 2-tert-butylcyclohexyl acetate            | 201-828-7 | 88-41-5    | 01-2119970713-33 | Chronic aquatic toxicity, Category 2 (H411)                                                                                                                                            |       | 1-3            |
| Propan-2-ol                               | 200-661-7 | 67-63-0    | 01-2119457558-25 | Flammable liquids, Category 2 (H225)<br>Specific target organ toxicity - Single exposure, Category 3 (H336)<br>Eye irritation, Category 2 (H319)                                       |       | 1-3            |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | 268-264-1 | 68039-49-6 | 01-2119982384-28 | Skin irritation, Category 2 (H315)<br>Skin sensitisation, Sub-category 1B (H317)<br>Chronic aquatic toxicity, Category 2 (H411)                                                        |       | 0.1-1          |
| alpha-hexylcinnamaldehyde                 | 202-983-3 | 101-86-0   | 01-2119533092-50 | Skin sensitisation, Sub-category 1B (H317)<br>Acute aquatic toxicity, Category 1 M=1 (H400)<br>Chronic aquatic toxicity, Category 2 (H411)                                             |       | 0.1-1          |
| allyl heptanoate                          | 205-527-1 | 142-19-8   | 01-2119488961-23 | Acute toxicity - Oral, Category 3 (H301)<br>Acute toxicity - Dermal, Category 3 (H311)<br>Acute aquatic toxicity, Category 1 M=1 (H400)<br>Chronic aquatic toxicity, Category 3 (H412) |       | 0.1-1          |

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

ATE, if available, are listed in section 11.

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> | Direct contact can damage skin by freezing.    |
| <b>Eye contact:</b>  | Direct contact can damage the eye by freezing. |
| <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. Sand. Alcohol-resistant foam. Do not use water.

**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**

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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). Absorb liquid components with liquid-binding material. 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:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50° C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Use non-sparking tools.

#### 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. Do not mix with other products unless advised by Diversey. Wash hands before breaks and at the end of workday. Do not breathe spray. 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 away from heat and direct sunlight.

For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

Comah - Lower Tier requirements (tonnes): 150

Comah - Upper Tier requirements (tonnes): 500

### 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)           |
|---------------|------------------------------------|------------------------------------|
| ethanol       | 1000 ppm<br>1920 mg/m <sup>3</sup> | 3000 ppm<br>5760 mg/m <sup>3</sup> |
| butane        | 600 ppm<br>1450 mg/m <sup>3</sup>  | 750 ppm<br>1810 mg/m <sup>3</sup>  |
| Propan-2-ol   | 400 ppm<br>999 mg/m <sup>3</sup>   | 500 ppm<br>1250 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 |
|-------------------------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| ethanol                                   | -                          | -                             | -                         | 87                           |
| butane                                    | No data available          | No data available             | No data available         | No data available            |
| 2-tert-butylcyclohexyl acetate            | No data available          | No data available             | No data available         | No data available            |
| Propan-2-ol                               | -                          | -                             | -                         | 26                           |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | -                          | -                             | -                         | -                            |
| alpha-hexylcinnamaldehyde                 | No data available          | No data available             | No data available         | No data available            |
| allyl heptanoate                          | No data available          | No data available             | No data available         | No data available            |

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) |
|---------------|----------------------------|------------------------------------------|---------------------------|-----------------------------------------|
| ethanol       | -                          | -                                        | -                         | 343                                     |

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|                                           |                   |                   |                   |                   |
|-------------------------------------------|-------------------|-------------------|-------------------|-------------------|
|                                           |                   |                   |                   |                   |
| butane                                    | No data available | No data available | No data available | No data available |
| 2-tert-butylcyclohexyl acetate            | No data available | No data available | No data available | No data available |
| Propan-2-ol                               | -                 | -                 | -                 | 888               |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available | -                 | No data available | -                 |
| alpha-hexylcinnamaldehyde                 | No data available | No data available | No data available | No data available |
| allyl heptanoate                          | No data available | No data available | No data available | No data available |

## 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) |
|-------------------------------------------|----------------------------|------------------------------------------|---------------------------|-----------------------------------------|
| ethanol                                   | -                          | -                                        | -                         | 206                                     |
| butane                                    | No data available          | No data available                        | No data available         | No data available                       |
| 2-tert-butylcyclohexyl acetate            | No data available          | No data available                        | No data available         | No data available                       |
| Propan-2-ol                               | -                          | -                                        | -                         | 319                                     |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available          | -                                        | No data available         | -                                       |
| alpha-hexylcinnamaldehyde                 | No data available          | No data available                        | No data available         | No data available                       |
| allyl heptanoate                          | No data available          | No data available                        | No data available         | No data available                       |

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 |
|-------------------------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| ethanol                                   | 1900                       | -                             | -                         | 950                          |
| butane                                    | No data available          | No data available             | No data available         | No data available            |
| 2-tert-butylcyclohexyl acetate            | No data available          | No data available             | No data available         | No data available            |
| Propan-2-ol                               | -                          | -                             | -                         | 500                          |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | -                          | -                             | -                         | -                            |
| alpha-hexylcinnamaldehyde                 | No data available          | No data available             | No data available         | No data available            |
| allyl heptanoate                          | No data available          | No data available             | No data available         | No data available            |

DNEL/DMEL 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 |
|-------------------------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| ethanol                                   | 950                        | -                             | -                         | 114                          |
| butane                                    | No data available          | No data available             | No data available         | No data available            |
| 2-tert-butylcyclohexyl acetate            | No data available          | No data available             | No data available         | No data available            |
| Propan-2-ol                               | -                          | -                             | -                         | 89                           |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | -                          | -                             | -                         | -                            |
| alpha-hexylcinnamaldehyde                 | No data available          | No data available             | No data available         | No data available            |
| allyl heptanoate                          | 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) |
|-------------------------------------------|-----------------------------|------------------------------|---------------------|-------------------------------|
| ethanol                                   | 0.96                        | 0.79                         | 2.75                | 580                           |
| butane                                    | No data available           | No data available            | No data available   | No data available             |
| 2-tert-butylcyclohexyl acetate            | No data available           | No data available            | No data available   | No data available             |
| Propan-2-ol                               | 140.9                       | 140.9                        | 140.9               | 2251                          |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | -                           | -                            | -                   | -                             |
| alpha-hexylcinnamaldehyde                 | No data available           | No data available            | No data available   | No data available             |
| allyl heptanoate                          | 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> ) |
|-------------------------------------------|------------------------------|--------------------------|-------------------|--------------------------|
| ethanol                                   | 3.6                          | 2.9                      | 0.63              | -                        |
| butane                                    | No data available            | No data available        | No data available | No data available        |
| 2-tert-butylcyclohexyl acetate            | No data available            | No data available        | No data available | No data available        |
| Propan-2-ol                               | 552                          | 552                      | 28                | -                        |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | -                            | -                        | -                 | -                        |
| alpha-hexylcinnamaldehyde                 | No data available            | No data available        | No data available | No data available        |
| allyl heptanoate                          | 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.

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Recommended safety measures for handling the undiluted product:

**Appropriate engineering controls:** Provide a good standard of general ventilation.  
**Appropriate organisational controls:** Users are advised to consider national Occupational Exposure Limits or other equivalent values, if available.

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

|                                             | SWED - Sector-specific worker exposure description | LCS | PROC    | Duration (min) | ERC   |
|---------------------------------------------|----------------------------------------------------|-----|---------|----------------|-------|
| Manual transfer and dilution                | AISE_SWED_PW_11_1                                  | PW  | PROC 11 | 60             | ERC8a |
| Spray application                           | AISE_SWED_PW_19_1                                  | PW  | PROC 19 | 480            | ERC8a |
| Manual application                          | AISE_SWED_PW_4_1                                   | PW  | PROC 4  | 480            | ERC8a |
| Automatic application in a dedicated system | AISE_SWED_PW_8a_2                                  | PW  | PROC 8a | 60             | ERC8a |
| Manual transfer of product                  |                                                    |     |         |                |       |

**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:** Trigger spray bottle application: No special requirements under normal use conditions. Apply technical measures to comply with the occupational exposure limits, if available.

**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:** Clear , Light , from Colourless to Yellow

**Odour:** Product specific

**Odour threshold:** Not applicable

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

Not relevant to classification of this product

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

See substance data

Substance data, boiling point

| Ingredient(s)                             | Value (°C)        | Method           | Atmospheric pressure (hPa) |
|-------------------------------------------|-------------------|------------------|----------------------------|
| ethanol                                   | 78.4              | Method not given |                            |
| butane                                    | No data available |                  |                            |
| 2-tert-butylcyclohexyl acetate            | No data available |                  |                            |
| Propan-2-ol                               | 82                | Method not given | 1013                       |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available |                  |                            |
| alpha-hexylcinnamaldehyde                 | No data available |                  |                            |
| allyl heptanoate                          | No data available |                  |                            |

**Method / remark**

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

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

**Flash point (°C):** Not applicable as product is an aerosol

**Sustained combustion:** Not applicable.

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

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

See substance data

Substance data, flammability or explosive limits, if available:

| Ingredient(s) | Lower limit (% vol) | Upper limit (% vol) |
|---------------|---------------------|---------------------|
| Propan-2-ol   | 2                   | 13                  |

**Method / remark**

**Autoignition temperature:** Not determined

**Decomposition temperature:** Not applicable.

**pH:** No information available.

**Kinematic viscosity:** Not determined

**Solubility in / Miscibility with water:** Not miscible or difficult to mix

Substance data, solubility in water

| Ingredient(s)                             | Value (g/l)       | Method           | Temperature (°C) |
|-------------------------------------------|-------------------|------------------|------------------|
| ethanol                                   | No data available |                  |                  |
| butane                                    | No data available |                  |                  |
| 2-tert-butylcyclohexyl acetate            | No data available |                  |                  |
| Propan-2-ol                               | Soluble           | Method not given |                  |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available |                  |                  |
| alpha-hexylcinnamaldehyde                 | No data available |                  |                  |
| allyl heptanoate                          | 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) |
|-------------------------------------------|-------------------|------------------|------------------|
| ethanol                                   | 5800              | Method not given |                  |
| butane                                    | No data available |                  |                  |
| 2-tert-butylcyclohexyl acetate            | No data available |                  |                  |
| Propan-2-ol                               | 4200              | Method not given | 20               |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available |                  |                  |
| alpha-hexylcinnamaldehyde                 | No data available |                  |                  |
| allyl heptanoate                          | No data available |                  |                  |

**Relative density:** ≈ 0.82 (20 °C)**Relative vapour density:** No data available.**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:** Vapours may form explosive mixtures with air. 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 hazard classes as defined in Regulation (EC) No 1272/2008**Mixture data: .

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**Relevant calculated ATE(s):**

ATE - Oral (mg/kg): &gt;2000

ATE - Dermal (mg/kg): &gt;2000

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) |
|-------------------------------------------|------------------|-------------------|---------|-------------------|-------------------|------------------|
| ethanol                                   | LD <sub>50</sub> | 5000              | Rat     | OECD 401 (EU B.1) |                   | Not established  |
| butane                                    |                  | No data available |         |                   |                   | Not established  |
| 2-tert-butylcyclohexyl acetate            |                  | No data available |         |                   |                   | Not established  |
| Propan-2-ol                               | LD <sub>50</sub> | 5840              | Rat     | OECD 401 (EU B.1) |                   | Not established  |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |                  | No data available |         |                   |                   | 400000           |
| alpha-hexylcinnamaldehyde                 |                  | 3100              |         |                   |                   | Not established  |
| allyl heptanoate                          | LD <sub>50</sub> | 218               | Rat     | Method not given  |                   | 218              |

## Acute dermal toxicity

| Ingredient(s)                             | Endpoint         | Value (mg/kg)     | Species | Method            | Exposure time (h) | ATE Dermal (mg/kg) |
|-------------------------------------------|------------------|-------------------|---------|-------------------|-------------------|--------------------|
| ethanol                                   | LD <sub>50</sub> | > 10000           | Rabbit  | OECD 402 (EU B.3) |                   | Not established    |
| butane                                    |                  | No data available |         |                   |                   | Not established    |
| 2-tert-butylcyclohexyl acetate            |                  | No data available |         |                   |                   | Not established    |
| Propan-2-ol                               | LD <sub>50</sub> | > 2000            | Rabbit  | Method not given  |                   | Not established    |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |                  | No data available |         |                   |                   | 500000             |
| alpha-hexylcinnamaldehyde                 |                  | No data available |         |                   |                   | Not established    |
| allyl heptanoate                          | LD <sub>50</sub> | 810               | Rabbit  | Method not given  |                   | 810                |

## Acute inhalative toxicity

| Ingredient(s)                             | Endpoint         | Value (mg/l)      | Species | Method             | Exposure time (h) |
|-------------------------------------------|------------------|-------------------|---------|--------------------|-------------------|
| ethanol                                   | LC <sub>50</sub> | > 1800            | Rat     | Non guideline test | 4                 |
| butane                                    |                  | No data available |         |                    |                   |
| 2-tert-butylcyclohexyl acetate            |                  | No data available |         |                    |                   |
| Propan-2-ol                               | LC <sub>50</sub> | > 25 (vapour)     | Rat     | OECD 403 (EU B.2)  | 6                 |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |                  | No data available |         |                    |                   |
| alpha-hexylcinnamaldehyde                 |                  | No data available |         |                    |                   |
| allyl heptanoate                          |                  | 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) |
|-------------------------------------------|-------------------------------|-------------------------------|---------------------------------|------------------------------|
| ethanol                                   | Not established               | Not established               | Not established                 | Not established              |
| butane                                    | Not established               | Not established               | Not established                 | Not established              |
| 2-tert-butylcyclohexyl acetate            | Not established               | Not established               | Not established                 | Not established              |
| Propan-2-ol                               | Not established               | Not established               | Not established                 | Not established              |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | Not established               | Not established               | Not established                 | Not established              |
| alpha-hexylcinnamaldehyde                 | Not established               | Not established               | Not established                 | Not established              |
| allyl heptanoate                          | Not established               | Not established               | Not established                 | Not established              |

**Irritation and corrosivity**

## Skin irritation and corrosivity

| Ingredient(s)                             | Result            | Species | Method            | Exposure time |
|-------------------------------------------|-------------------|---------|-------------------|---------------|
| ethanol                                   | Not irritant      | Rabbit  | OECD 404 (EU B.4) |               |
| butane                                    | No data available |         |                   |               |
| 2-tert-butylcyclohexyl acetate            | No data available |         |                   |               |
| Propan-2-ol                               | Not irritant      | Rabbit  | OECD 404 (EU B.4) |               |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available |         |                   |               |

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|                           |                   |  |  |  |
|---------------------------|-------------------|--|--|--|
| alpha-hexylcinnamaldehyde | No data available |  |  |  |
| allyl heptanoate          | Not irritant      |  |  |  |

## Eye irritation and corrosivity

| Ingredient(s)                             | Result                    | Species | Method            | Exposure time |
|-------------------------------------------|---------------------------|---------|-------------------|---------------|
| ethanol                                   | Irritant                  | Rabbit  | OECD 405 (EU B.5) |               |
| butane                                    | No data available         |         |                   |               |
| 2-tert-butylcyclohexyl acetate            | No data available         |         |                   |               |
| Propan-2-ol                               | Irritant                  | Rabbit  | OECD 405 (EU B.5) |               |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available         |         |                   |               |
| alpha-hexylcinnamaldehyde                 | No data available         |         |                   |               |
| allyl heptanoate                          | Not corrosive or irritant |         |                   |               |

## Respiratory tract irritation and corrosivity

| Ingredient(s)                             | Result            | Species | Method | Exposure time |
|-------------------------------------------|-------------------|---------|--------|---------------|
| ethanol                                   | No data available |         |        |               |
| butane                                    | No data available |         |        |               |
| 2-tert-butylcyclohexyl acetate            | No data available |         |        |               |
| Propan-2-ol                               | No data available |         |        |               |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available |         |        |               |
| alpha-hexylcinnamaldehyde                 | No data available |         |        |               |
| allyl heptanoate                          | No data available |         |        |               |

## Sensitisation

## Sensitisation by skin contact

| Ingredient(s)                             | Result            | Species    | Method                           | Exposure time (h) |
|-------------------------------------------|-------------------|------------|----------------------------------|-------------------|
| ethanol                                   | Not sensitising   |            |                                  |                   |
| butane                                    | No data available |            |                                  |                   |
| 2-tert-butylcyclohexyl acetate            | No data available |            |                                  |                   |
| Propan-2-ol                               | Not sensitising   | Guinea pig | OECD 406 (EU B.6) / Buehler test |                   |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available |            |                                  |                   |
| alpha-hexylcinnamaldehyde                 | No data available |            |                                  |                   |
| allyl heptanoate                          | No data available |            |                                  |                   |

## Sensitisation by inhalation

| Ingredient(s)                             | Result            | Species | Method | Exposure time |
|-------------------------------------------|-------------------|---------|--------|---------------|
| ethanol                                   | No data available |         |        |               |
| butane                                    | No data available |         |        |               |
| 2-tert-butylcyclohexyl acetate            | No data available |         |        |               |
| Propan-2-ol                               | No data available |         |        |               |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available |         |        |               |
| alpha-hexylcinnamaldehyde                 | No data available |         |        |               |
| allyl heptanoate                          | 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)   |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------|--------------------|
| ethanol                                   | No data available                                                                                      |                       | No data available                                  |                    |
| butane                                    | No data available                                                                                      |                       | No data available                                  |                    |
| 2-tert-butylcyclohexyl acetate            | No data available                                                                                      |                       | No data available                                  |                    |
| Propan-2-ol                               | No evidence for mutagenicity, negative test results No evidence of genotoxicity, negative test results | OECD 471 (EU B.12/13) | No evidence of genotoxicity, negative test results | OECD 474 (EU B.12) |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available                                                                                      |                       | No data available                                  |                    |
| alpha-hexylcinnamaldehyde                 | No data available                                                                                      |                       | No data available                                  |                    |
| allyl heptanoate                          | No data available                                                                                      |                       | No data available                                  |                    |

## Carcinogenicity

| Ingredient(s)                  | Effect                                                 |
|--------------------------------|--------------------------------------------------------|
| ethanol                        | No data available                                      |
| butane                         | No data available                                      |
| 2-tert-butylcyclohexyl acetate | No data available                                      |
| Propan-2-ol                    | No evidence for carcinogenicity, negative test results |

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|                                           |                   |
|-------------------------------------------|-------------------|
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available |
| alpha-hexylcinnamaldehyde                 | No data available |
| allyl heptanoate                          | 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 |
|-------------------------------------------|----------|-----------------|--------------------|---------|--------|---------------|------------------------------------|
| ethanol                                   |          |                 | No data available  |         |        |               |                                    |
| butane                                    |          |                 | No data available  |         |        |               |                                    |
| 2-tert-butylcyclohexyl acetate            |          |                 | No data available  |         |        |               |                                    |
| Propan-2-ol                               |          |                 | No data available  |         |        |               |                                    |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |          |                 | No data available  |         |        |               |                                    |
| alpha-hexylcinnamaldehyde                 |          |                 | No data available  |         |        |               |                                    |
| allyl heptanoate                          |          |                 | 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 |
|-------------------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| ethanol                                   |          | No data available  |         |        |                      |                                      |
| butane                                    |          | No data available  |         |        |                      |                                      |
| 2-tert-butylcyclohexyl acetate            |          | No data available  |         |        |                      |                                      |
| Propan-2-ol                               |          | No data available  |         |        |                      |                                      |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |          | No data available  |         |        |                      |                                      |
| alpha-hexylcinnamaldehyde                 |          | No data available  |         |        |                      |                                      |
| allyl heptanoate                          |          | 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 |
|-------------------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| ethanol                                   |          | No data available  |         |        |                      |                                      |
| butane                                    |          | No data available  |         |        |                      |                                      |
| 2-tert-butylcyclohexyl acetate            |          | No data available  |         |        |                      |                                      |
| Propan-2-ol                               |          | No data available  |         |        |                      |                                      |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |          | No data available  |         |        |                      |                                      |
| alpha-hexylcinnamaldehyde                 |          | No data available  |         |        |                      |                                      |
| allyl heptanoate                          |          | 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 |
|-------------------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| ethanol                                   |          | No data available  |         |        |                      |                                      |
| butane                                    |          | No data available  |         |        |                      |                                      |
| 2-tert-butylcyclohexyl acetate            |          | No data available  |         |        |                      |                                      |
| Propan-2-ol                               |          | No data available  |         |        |                      |                                      |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |          | No data available  |         |        |                      |                                      |
| alpha-hexylcinnamaldehyde                 |          | No data available  |         |        |                      |                                      |
| allyl heptanoate                          |          | No data available  |         |        |                      |                                      |

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## Chronic toxicity

| Ingredient(s)                             | Exposure route | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time | Specific effects and organs affected | Remark |
|-------------------------------------------|----------------|----------|--------------------|---------|--------|---------------|--------------------------------------|--------|
| ethanol                                   |                |          | No data available  |         |        |               |                                      |        |
| butane                                    |                |          | No data available  |         |        |               |                                      |        |
| 2-tert-butylcyclohexyl acetate            |                |          | No data available  |         |        |               |                                      |        |
| Propan-2-ol                               |                |          | No data available  |         |        |               |                                      |        |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |                |          | No data available  |         |        |               |                                      |        |
| alpha-hexylcinnamaldehyde                 |                |          | No data available  |         |        |               |                                      |        |
| allyl heptanoate                          |                |          | No data available  |         |        |               |                                      |        |

## STOT-single exposure

| Ingredient(s)                             | Affected organ(s)      |
|-------------------------------------------|------------------------|
| ethanol                                   | No data available      |
| butane                                    | No data available      |
| 2-tert-butylcyclohexyl acetate            | No data available      |
| Propan-2-ol                               | Central nervous system |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available      |
| alpha-hexylcinnamaldehyde                 | No data available      |
| allyl heptanoate                          | No data available      |

## STOT-repeated exposure

| Ingredient(s)                             | Affected organ(s) |
|-------------------------------------------|-------------------|
| ethanol                                   | No data available |
| butane                                    | No data available |
| 2-tert-butylcyclohexyl acetate            | No data available |
| Propan-2-ol                               | No data available |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available |
| alpha-hexylcinnamaldehyde                 | No data available |
| allyl heptanoate                          | 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) |
|-------------------------------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| ethanol                                   | LC <sub>50</sub> | 8150              | <i>Alburnus alburnus</i>   | Method not given | 96                |
| butane                                    |                  | No data available |                            |                  |                   |
| 2-tert-butylcyclohexyl acetate            |                  | No data available |                            |                  |                   |
| Propan-2-ol                               | LC <sub>50</sub> | > 100             | <i>Pimephales promelas</i> | Method not given | 48                |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |                  | No data           |                            |                  |                   |

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|                           |                  |                   |                          |                       |    |
|---------------------------|------------------|-------------------|--------------------------|-----------------------|----|
|                           |                  | available         |                          |                       |    |
| alpha-hexylcinnamaldehyde |                  | No data available |                          |                       |    |
| allyl heptanoate          | LC <sub>50</sub> | 0.12              | <i>Brachydanio rerio</i> | OECD 203, semi-static | 96 |

## Aquatic short-term toxicity - crustacea

| Ingredient(s)                             | Endpoint         | Value (mg/l)      | Species                     | Method           | Exposure time (h) |
|-------------------------------------------|------------------|-------------------|-----------------------------|------------------|-------------------|
| ethanol                                   | EC <sub>50</sub> | 5012              | <i>Daphnia magna Straus</i> | Method not given | 48                |
| butane                                    |                  | No data available |                             |                  |                   |
| 2-tert-butylcyclohexyl acetate            |                  | No data available |                             |                  |                   |
| Propan-2-ol                               | EC <sub>50</sub> | > 100             | <i>Daphnia magna Straus</i> | Method not given | 48                |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |                  | No data available |                             |                  |                   |
| alpha-hexylcinnamaldehyde                 |                  | No data available |                             |                  |                   |
| allyl heptanoate                          |                  | No data available |                             |                  |                   |

## Aquatic short-term toxicity - algae

| Ingredient(s)                             | Endpoint         | Value (mg/l)      | Species                                         | Method           | Exposure time (h) |
|-------------------------------------------|------------------|-------------------|-------------------------------------------------|------------------|-------------------|
| ethanol                                   | EC <sub>50</sub> | 675               | <i>Scenedesmus quadricauda</i><br>Not specified | Method not given | 72                |
| butane                                    |                  | No data available |                                                 |                  |                   |
| 2-tert-butylcyclohexyl acetate            |                  | No data available |                                                 |                  |                   |
| Propan-2-ol                               | EC <sub>50</sub> | > 100             | <i>Scenedesmus quadricauda</i>                  | Method not given | 72                |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |                  | No data available |                                                 |                  |                   |
| alpha-hexylcinnamaldehyde                 |                  | No data available |                                                 |                  |                   |
| allyl heptanoate                          |                  | No data available |                                                 |                  |                   |

## Aquatic short-term toxicity - marine species

| Ingredient(s)                             | Endpoint | Value (mg/l)      | Species | Method | Exposure time (days) |
|-------------------------------------------|----------|-------------------|---------|--------|----------------------|
| ethanol                                   |          | No data available |         |        |                      |
| butane                                    |          | No data available |         |        |                      |
| 2-tert-butylcyclohexyl acetate            |          | No data available |         |        |                      |
| Propan-2-ol                               |          | No data available |         |        |                      |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |          | No data available |         |        |                      |
| alpha-hexylcinnamaldehyde                 |          | No data available |         |        |                      |
| allyl heptanoate                          |          | No data available |         |        |                      |

## Impact on sewage plants - toxicity to bacteria

| Ingredient(s)                             | Endpoint         | Value (mg/l)      | Inoculum                  | Method           | Exposure time |
|-------------------------------------------|------------------|-------------------|---------------------------|------------------|---------------|
| ethanol                                   | EC <sub>0</sub>  | 6500              | <i>Pseudomonas putida</i> | Method not given | 16 hour(s)    |
| butane                                    |                  | No data available |                           |                  |               |
| 2-tert-butylcyclohexyl acetate            |                  | No data available |                           |                  |               |
| Propan-2-ol                               | EC <sub>50</sub> | > 1000            | Activated sludge          | Method not given |               |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |                  | No data available |                           |                  |               |
| alpha-hexylcinnamaldehyde                 |                  | No data available |                           |                  |               |
| allyl heptanoate                          |                  | No data available |                           |                  |               |

**Aquatic long-term toxicity**

Aquatic long-term toxicity - fish

| Ingredient(s)                             | Endpoint | Value (mg/l)      | Species | Method | Exposure time | Effects observed |
|-------------------------------------------|----------|-------------------|---------|--------|---------------|------------------|
| ethanol                                   |          | No data available |         |        |               |                  |
| butane                                    |          | No data available |         |        |               |                  |
| 2-tert-butylcyclohexyl acetate            |          | No data available |         |        |               |                  |
| Propan-2-ol                               |          | No data available |         |        |               |                  |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |          | No data available |         |        |               |                  |
| alpha-hexylcinnamaldehyde                 |          | No data available |         |        |               |                  |
| allyl heptanoate                          |          | No data available |         |        |               |                  |

Aquatic long-term toxicity - crustacea

| Ingredient(s)                             | Endpoint | Value (mg/l)      | Species | Method | Exposure time | Effects observed |
|-------------------------------------------|----------|-------------------|---------|--------|---------------|------------------|
| ethanol                                   |          | No data available |         |        |               |                  |
| butane                                    |          | No data available |         |        |               |                  |
| 2-tert-butylcyclohexyl acetate            |          | No data available |         |        |               |                  |
| Propan-2-ol                               |          | No data available |         |        |               |                  |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |          | No data available |         |        |               |                  |
| alpha-hexylcinnamaldehyde                 |          | No data available |         |        |               |                  |
| allyl heptanoate                          |          | 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 |
|-------------------------------------------|----------|---------------------------|---------|--------|----------------------|------------------|
| ethanol                                   |          | No data available         |         |        |                      |                  |
| butane                                    |          | No data available         |         |        |                      |                  |
| 2-tert-butylcyclohexyl acetate            |          | No data available         |         |        |                      |                  |
| Propan-2-ol                               |          | No data available         |         |        |                      |                  |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |          | No data available         |         |        |                      |                  |
| alpha-hexylcinnamaldehyde                 |          | No data available         |         |        |                      |                  |
| allyl heptanoate                          |          | 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 |
|---------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Propan-2-ol   |          | No data available     |         |        |                      |                  |

Terrestrial toxicity - plants, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Propan-2-ol   |          | No data available     |         |        |                      |                  |

Terrestrial toxicity - birds, if available:

| Ingredient(s) | Endpoint | Value             | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|-------------------|---------|--------|----------------------|------------------|
| Propan-2-ol   |          | No data available |         |        |                      |                  |

Terrestrial toxicity - beneficial insects, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Propan-2-ol   |          | No data available     |         |        |                      |                  |

Terrestrial toxicity - soil bacteria, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Propan-2-ol   |          | 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 |
|---------------|-------------------|--------|------------|--------|
| Propan-2-ol   | No data available |        |            |        |

Abiotic degradation - hydrolysis, if available:

| Ingredient(s) | Half-life time in fresh water | Method | Evaluation | Remark |
|---------------|-------------------------------|--------|------------|--------|
| Propan-2-ol   | No data available             |        |            |        |

Abiotic degradation - other processes, if available:

| Ingredient(s) | Type | Half-life time    | Method | Evaluation | Remark |
|---------------|------|-------------------|--------|------------|--------|
| Propan-2-ol   |      | No data available |        |            |        |

**Biodegradation**

Ready biodegradability - aerobic conditions

| Ingredient(s)                             | Inoculum                 | Analytical method | DT <sub>50</sub>   | Method           | Evaluation                 |
|-------------------------------------------|--------------------------|-------------------|--------------------|------------------|----------------------------|
| ethanol                                   | Activated sludge, aerobe | Oxygen depletion  | > 60% in 10 day(s) | OECD 301B        | Readily biodegradable      |
| butane                                    |                          |                   |                    |                  | Readily biodegradable      |
| 2-tert-butylcyclohexyl acetate            |                          |                   |                    | Method not given | Not readily biodegradable. |
| Propan-2-ol                               |                          |                   | 95 % in 21 day(s)  | OECD 301E        | Readily biodegradable      |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde |                          |                   | 3% in 28 day(s)    | OECD 301F        | Not readily biodegradable. |
| alpha-hexylcinnamaldehyde                 |                          |                   |                    |                  | Not readily biodegradable. |
| allyl heptanoate                          | Activated sludge, aerobe |                   | 40%                | OECD 301D        | Not readily biodegradable. |

Ready biodegradability - anaerobic and marine conditions, if available:

| Ingredient(s) | Medium & Type | Analytical method | DT <sub>50</sub> | Method | Evaluation        |
|---------------|---------------|-------------------|------------------|--------|-------------------|
| Propan-2-ol   |               |                   |                  |        | No data available |

Degradation in relevant environmental compartments, if available:

| Ingredient(s) | Medium & Type | Analytical method | DT <sub>50</sub> | Method | Evaluation        |
|---------------|---------------|-------------------|------------------|--------|-------------------|
| Propan-2-ol   |               |                   |                  |        | No data available |

**12.3 Bioaccumulative potential**

Partition coefficient n-octanol/water (log Kow)

| Ingredient(s)                             | Value             | Method             | Evaluation                  | Remark |
|-------------------------------------------|-------------------|--------------------|-----------------------------|--------|
| ethanol                                   | -0.31             | Weight of evidence | No bioaccumulation expected |        |
| butane                                    | No data available |                    |                             |        |
| 2-tert-butylcyclohexyl acetate            | No data available |                    |                             |        |
| Propan-2-ol                               | 0.05              | OECD 107           | No bioaccumulation expected |        |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available |                    |                             |        |
| alpha-hexylcinnamaldehyde                 | No data available |                    |                             |        |
| allyl heptanoate                          | No data available |                    |                             |        |

Bioconcentration factor (BCF)

| Ingredient(s) | Value             | Species | Method             | Evaluation                  | Remark |
|---------------|-------------------|---------|--------------------|-----------------------------|--------|
| ethanol       | 0.5               |         | Weight of evidence | No bioaccumulation expected |        |
| butane        | No data available |         |                    |                             |        |

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|                                           |                   |  |  |  |  |
|-------------------------------------------|-------------------|--|--|--|--|
| 2-tert-butylcyclohexyl acetate            | No data available |  |  |  |  |
| Propan-2-ol                               | No data available |  |  |  |  |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available |  |  |  |  |
| alpha-hexylcinnamaldehyde                 | No data available |  |  |  |  |
| allyl heptanoate                          | No data available |  |  |  |  |

**12.4 Mobility in soil**

Adsorption/Desorption to soil or sediment

| Ingredient(s)                             | Adsorption coefficient<br>Log K <sub>oc</sub> | Desorption coefficient<br>Log K <sub>oc</sub> (des) | Method | Soil/sediment type | Evaluation                                       |
|-------------------------------------------|-----------------------------------------------|-----------------------------------------------------|--------|--------------------|--------------------------------------------------|
| ethanol                                   | No data available                             |                                                     |        |                    |                                                  |
| butane                                    | No data available                             |                                                     |        |                    |                                                  |
| 2-tert-butylcyclohexyl acetate            | No data available                             |                                                     |        |                    |                                                  |
| Propan-2-ol                               | No data available                             |                                                     |        |                    | Potential for mobility in soil, soluble in water |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | No data available                             |                                                     |        |                    |                                                  |
| alpha-hexylcinnamaldehyde                 | No data available                             |                                                     |        |                    |                                                  |
| allyl heptanoate                          | 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:**

16 05 04\* - gases in pressure containers (including halons) containing dangerous substances.

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

Dispose of observing national or local regulations.

**SECTION 14: Transport information****Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)****14.1 UN number or ID number:** 1950**14.2 UN proper shipping name:**

Aerosols

**14.3 Transport hazard class(es):****Transport hazard class (and subsidiary risks):** 2.1**14.4 Packing group:** -**14.5 Environmental hazards:****Environmentally hazardous:** No**Marine pollutant:** No**14.6 Special precautions for user:** None known.**14.7 Maritime transport in bulk according to IMO instruments:** The product is not transported in bulk tankers.**Other relevant information:****ADR****Classification code:** 5F

**Tunnel restriction code:** (D)  
**IMO/IMDG**  
**EmS:** F-D, S-U

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code. According to special provision 190, aerosols with a capacity not exceeding 50ml containing only non-toxic constituents are not subject to the requirements of ADR or the provisions of the IMDG code.

## 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)
- 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

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

**Comah - classification:** P3a - FLAMMABLE AEROSOLS

### 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:** MS1005396

**Version:** 01.1

**Revision:** 2024-08-04

#### Reason for revision:

This data sheet contains changes from the previous version in section(s): 1, 3, 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
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- H220 - Extremely flammable gas.
- H222 - Extremely flammable aerosol.
- H223 - Flammable aerosol.
- H225 - Highly flammable liquid and vapour.
- H280 - Contains gas under pressure; may explode if heated.
- H301 - Toxic if swallowed.
- H311 - Toxic in contact with skin.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H336 - May cause drowsiness or dizziness.
- H400 - Very toxic to aquatic life.
- H411 - Toxic to aquatic life with long lasting effects.

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

**End of Safety Data Sheet**