

**Kiribati**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** Kiribati  
**Other means of identification:**  
**UFI:** TU50-C0T6-F00U-TUR5
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Scented presentation peripheral  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
ProElite Sp. z o.o.  
Leśników Polskich 65K  
98-100 Łask - Polska  
Phone: 436712375  
msds@proelite.pl  
www.proelite.pl
- 1.4 Emergency telephone number:** The correct telephone number for your country

**SECTION 2: HAZARDS IDENTIFICATION \*\***

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) No 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.  
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Hazard statements:**  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.  
**Precautionary statements:**  
P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P273: Avoid release to the environment.  
P501: Dispose of contents/container according to the separated collection system used in your municipality.  
**Supplementary information:**  
EUH208: Contains 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one, 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra, 3,7-dimethyloctan-3-ol, 4-tert-butylcyclohexyl acetate, Hexyl cinnam-aldehyde, Hexyl salicylate, Para-anisyl propanal. May produce an allergic reaction.  
**UFI:** TU50-C0T6-F00U-TUR5
- 2.3 Other hazards:**  
Product fails to meet PBT/vPvB criteria  
The product contains substances with endocrine-disrupting properties: 4-Nonylphenol, branched, ethoxylated

\*\* Changes with regards to the previous version

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

- 3.1 Substance:**  
Non-applicable
- 3.2 Mixture:**  
**Chemical description:** Aqueous solution based on alcohols, surfactants and perfume.  
**Components:**  
In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)**

| Identification   | Chemical name/Classification   |  | Concentration |
|--|--|--|---------------|
| CAS: 127087-87-0<br>EC: 500-315-8<br>Index: Non-applicable<br>REACH: 01-2120228887-42-XXXX | <b>4-Nonylphenol, branched, ethoxylated<sup>(1)</sup></b>                                    | Self-classified  | 5 - <10 %     |
|  | Regulation 1272/2008   | Acute Tox. 4: H302; Aquatic Chronic 3: H412; Eye Irrit. 2: H319 - Warning  |               |
| CAS: 67-63-0<br>EC: 200-661-7<br>Index: 603-117-00-0<br>REACH: 01-2119457558-25-XXXX       | <b>propan-2-ol<sup>(1)</sup></b>   | ATP CLP00  | 3 - <5 %      |
|  | Regulation 1272/2008   | Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger   |               |
| CAS: 32210-23-4<br>EC: 250-954-9<br>Index: Non-applicable<br>REACH: 01-2119976286-24-XXXX  | <b>4-tert-butylcyclohexyl acetate<sup>(1)</sup></b>  | Self-classified  | <1 %          |
|  | Regulation 1272/2008   | Skin Sens. 1B: H317 - Warning  |               |
| CAS: 54464-57-2<br>EC: 259-174-3<br>Index: Non-applicable<br>REACH: Non-applicable         | <b>1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one<sup>(1)</sup></b> | Self-classified  | <1 %          |
|  | Regulation 1272/2008   | Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning  |               |
| CAS: 78-69-3<br>EC: 201-133-9<br>Index: Non-applicable<br>REACH: 01-2119454788-21-XXXX     | <b>3,7-dimethyloctan-3-ol<sup>(1)</sup></b>  | Self-classified  | <1 %          |
|  | Regulation 1272/2008   | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning   |               |
| CAS: 6259-76-3<br>EC: 228-408-6<br>Index: Non-applicable<br>REACH: 01-2119638275-36-XXXX   | <b>Hexyl salicylate<sup>(1)</sup></b>  | Self-classified  | <1 %          |
|  | Regulation 1272/2008   | Aquatic Chronic 1: H410; Skin Sens. 1B: H317 - Warning   |               |
| CAS: 80-54-6<br>EC: 201-289-8<br>Index: 605-041-00-3<br>REACH: 01-2119907954-30-XXXX       | <b>2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<sup>(1)</sup></b>                   | Self-classified  | <1 %          |
|  | Regulation 1272/2008   | Acute Tox. 4: H302; Aquatic Chronic 3: H412; Repr. 2: H361; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning         |               |
| CAS: 1222-05-5<br>EC: 214-946-9<br>Index: 603-212-00-7<br>REACH: 01-2119488227-29-XXXX     | <b>1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran<sup>(1)</sup></b>          | ATP ATP01  | <1 %          |
|  | Regulation 1272/2008   | Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning   |               |
| CAS: 5462-06-6<br>EC: 226-749-5<br>Index: Non-applicable<br>REACH: 01-2120629103-67-XXXX   | <b>Para-anisyl propanal<sup>(1)</sup></b>  | Self-classified  | <1 %          |
|  | Regulation 1272/2008   | Skin Sens. 1B: H317 - Warning  |               |
| CAS: 101-86-0<br>EC: 202-983-3<br>Index: Non-applicable<br>REACH: Non-applicable           | <b>Hexyl cinnam-aldehyde<sup>(1)</sup></b>   | Self-classified  | <1 %          |
|  | Regulation 1272/2008   | Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Skin Sens. 1B: H317 - Warning  |               |
| CAS: 28219-61-6<br>EC: 248-908-8<br>Index: Non-applicable<br>REACH: Non-applicable         | <b>2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol<sup>(1)</sup></b>             | Self-classified  | <1 %          |
|  | Regulation 1272/2008   | Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319 - Warning   |               |
| CAS: 15323-35-0<br>EC: 239-360-0<br>Index: Non-applicable<br>REACH: 01-2120769674-39-XXXX  | <b>1,1,2,3,3,6-hexamethylindan-5-yl methyl ketone<sup>(1)</sup></b>                          | Self-classified  | <1 %          |
|  | Regulation 1272/2008   | Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning   |               |
| CAS: 57378-68-4<br>EC: 260-709-8<br>Index: Non-applicable<br>REACH: Non-applicable         | <b>1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one<sup>(1)</sup></b>                     | Self-classified  | <1 %          |
|  | Regulation 1272/2008   | Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Warning |               |

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

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#### SECTION 4: FIRST AID MEASURES (continued)

**By skin contact:**

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

**By eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

**By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

#### SECTION 5: FIREFIGHTING MEASURES

**5.1 Extinguishing media:**

**Suitable extinguishing media:**

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

**Unsuitable extinguishing media:**

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

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

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:**

**For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**For emergency responders:**

See section 8.

**6.2 Environmental precautions:**

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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

It is recommended:

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**SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)**

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling:**

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

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

A.- Technical measures for storage

Minimum Temp.: 5 °C

Maximum Temp.: 35 °C

Maximum time: 24 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no occupational exposure limits for the substances contained in the product

**DNEL (Workers):**

| Identification  |            | Short exposure |                | Long exposure           |                |
|---|------------|----------------|----------------|-------------------------|----------------|
|   |            | Systemic       | Local          | Systemic                | Local          |
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7            | Oral       | Non-applicable | Non-applicable | Non-applicable          | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | 888 mg/kg               | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 500 mg/m <sup>3</sup>   | Non-applicable |
| 3,7-dimethyloctan-3-ol<br>CAS: 78-69-3<br>EC: 201-133-9 | Oral       | Non-applicable | Non-applicable | Non-applicable          | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | 3,16 mg/kg              | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 11,14 mg/m <sup>3</sup> | Non-applicable |
| Hexyl salicylate<br>CAS: 6259-76-3<br>EC: 228-408-6     | Oral       | Non-applicable | Non-applicable | Non-applicable          | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | 6,4 mg/kg               | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 1,7 mg/m <sup>3</sup>   | Non-applicable |

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

| Identification  |            | Short exposure |                | Long exposure          |                |
|---|------------|----------------|----------------|------------------------|----------------|
|   |            | Systemic       | Local          | Systemic               | Local          |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8            | Oral       | Non-applicable | Non-applicable | Non-applicable         | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | 1,79 mg/kg             | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 0,44 mg/m <sup>3</sup> | Non-applicable |
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran<br>CAS: 1222-05-5<br>EC: 214-946-9 | Oral       | Non-applicable | Non-applicable | Non-applicable         | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | 36,7 mg/kg             | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 13,5 mg/m <sup>3</sup> | Non-applicable |
| Para-anisyl propanal<br>CAS: 5462-06-6<br>EC: 226-749-5   | Oral       | Non-applicable | Non-applicable | Non-applicable         | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | 1,8 mg/kg              | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 6,35 mg/m <sup>3</sup> | Non-applicable |

**DNEL (General population):**

| Identification  |            | Short exposure |                | Long exposure          |                |
|---|------------|----------------|----------------|------------------------|----------------|
|   |            | Systemic       | Local          | Systemic               | Local          |
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7  | Oral       | Non-applicable | Non-applicable | 26 mg/kg               | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | 319 mg/kg              | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 89 mg/m <sup>3</sup>   | Non-applicable |
| 3,7-dimethyloctan-3-ol<br>CAS: 78-69-3<br>EC: 201-133-9   | Oral       | Non-applicable | Non-applicable | 1,58 mg/kg             | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | 1,58 mg/kg             | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 2,75 mg/m <sup>3</sup> | Non-applicable |
| Hexyl salicylate<br>CAS: 6259-76-3<br>EC: 228-408-6   | Oral       | Non-applicable | Non-applicable | 0,3 mg/kg              | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | 3,2 mg/kg              | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 0,4 mg/m <sup>3</sup>  | Non-applicable |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8            | Oral       | Non-applicable | Non-applicable | 0,062 mg/kg            | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | 0,89 mg/kg             | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 0,11 mg/m <sup>3</sup> | Non-applicable |
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran<br>CAS: 1222-05-5<br>EC: 214-946-9 | Oral       | Non-applicable | Non-applicable | 2,3 mg/kg              | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | 22 mg/kg               | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 4 mg/m <sup>3</sup>    | Non-applicable |
| Para-anisyl propanal<br>CAS: 5462-06-6<br>EC: 226-749-5   | Oral       | Non-applicable | Non-applicable | 1,08 mg/kg             | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | 1,08 mg/kg             | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 1,88 mg/m <sup>3</sup> | Non-applicable |

**PNEC:**

| Identification   |              |                |                         |              |
|--|--------------|----------------|-------------------------|--------------|
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7                       | STP          | 2251 mg/L      | Fresh water             | 140,9 mg/L   |
|  | Soil         | 28 mg/kg       | Marine water            | 140,9 mg/L   |
|  | Intermittent | 140,9 mg/L     | Sediment (Fresh water)  | 552 mg/kg    |
|  | Oral         | 0,16 g/kg      | Sediment (Marine water) | 552 mg/kg    |
| 4-tert-butylcyclohexyl acetate<br>CAS: 32210-23-4<br>EC: 250-954-9 | STP          | 12,2 mg/L      | Fresh water             | 0,0053 mg/L  |
|  | Soil         | 0,42 mg/kg     | Marine water            | 0,00053 mg/L |
|  | Intermittent | 0,053 mg/L     | Sediment (Fresh water)  | 2,01 mg/kg   |
|  | Oral         | 0,06667 g/kg   | Sediment (Marine water) | 0,21 mg/kg   |
| 3,7-dimethyloctan-3-ol<br>CAS: 78-69-3<br>EC: 201-133-9            | STP          | 450 mg/L       | Fresh water             | 0,009 mg/L   |
|  | Soil         | 0,011 mg/kg    | Marine water            | 0,001 mg/L   |
|  | Intermittent | 0,089 mg/L     | Sediment (Fresh water)  | 0,082 mg/kg  |
|  | Oral         | Non-applicable | Sediment (Marine water) | 0,008 mg/kg  |
| Hexyl salicylate<br>CAS: 6259-76-3<br>EC: 228-408-6                | STP          | 10 mg/L        | Fresh water             | 0 mg/L       |
|  | Soil         | 0,054 mg/kg    | Marine water            | 0 mg/L       |
|  | Intermittent | 0,004 mg/L     | Sediment (Fresh water)  | 0,272 mg/kg  |
|  | Oral         | Non-applicable | Sediment (Marine water) | 0,027 mg/kg  |

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

| Identification  |              |                |                         |              |
|---|--------------|----------------|-------------------------|--------------|
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8            | STP          | 10 mg/L        | Fresh water             | 0,004 mg/L   |
|   | Soil         | 0,103 mg/kg    | Marine water            | 0 mg/L       |
|   | Intermittent | 0,024 mg/L     | Sediment (Fresh water)  | 0,528 mg/kg  |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,053 mg/kg  |
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran<br>CAS: 1222-05-5<br>EC: 214-946-9 | STP          | 1 mg/L         | Fresh water             | 0,0068 mg/L  |
|   | Soil         | 1,5 mg/kg      | Marine water            | 0,00044 mg/L |
|   | Intermittent | Non-applicable | Sediment (Fresh water)  | 2 mg/kg      |
|   | Oral         | 20,4 g/kg      | Sediment (Marine water) | 0,394 mg/kg  |
| Para-anisyl propanal<br>CAS: 5462-06-6<br>EC: 226-749-5   | STP          | 3 mg/L         | Fresh water             | 0,0052 mg/L  |
|   | Soil         | 0,0178 mg/kg   | Marine water            | 0,00052 mg/L |
|   | Intermittent | Non-applicable | Sediment (Fresh water)  | 0,104 mg/kg  |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,0104 mg/kg |

**8.2 Exposure controls:**



A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection



The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands



| Pictogram  | PPE   | Labelling   | CEN Standard        | Remarks  |
|--|---|---|---------------------|--|
| <br>Mandatory hand protection | Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm) |  | EN 420:2004+A1:2010 | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.



D.- Ocular and facial protection

| Pictogram  | PPE   | Labelling   | CEN Standard                    | Remarks   |
|--|---|---|---------------------------------|---|
| <br>Mandatory face protection | Panoramic glasses against splash/projections. |  | EN 166:2002<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

E.- Body protection

| Pictogram | PPE                  | Labelling   | CEN Standard      | Remarks   |
|-----------|----------------------|---|-------------------|---|
|           | Work clothing        |  |                   | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994. |
|           | Anti-slip work shoes |  | EN ISO 20347:2012 | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007                                 |

F.- Additional emergency measures

| Emergency measure   | Standards                                       | Emergency measure  | Standards                                      |
|---|---|--|--|
| <br>Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 | <br>Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

|                           |                                     |
|---------------------------|-------------------------------------|
| V.O.C. (Supply):          | 4,42 % weight                       |
| V.O.C. density at 20 °C:  | 44,24 kg/m <sup>3</sup> (44,24 g/L) |
| Average carbon number:    | 3,67                                |
| Average molecular weight: | 69,36 g/mol                         |

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

|                          |                  |
|--------------------------|------------------|
| Physical state at 20 °C: | Liquid           |
| Appearance:              | Fluid            |
| Colour:                  | Colourless       |
| Odour:                   | Aromatic         |
| Odour threshold:         | Non-applicable * |

**Volatility:**

|  |                         |
|--|-------------------------|
| Boiling point at atmospheric pressure: | 101 °C                  |
| Vapour pressure at 20 °C:              | 2379 Pa                 |
| Vapour pressure at 50 °C:              | 12519,37 Pa (12,52 kPa) |
| Evaporation rate at 20 °C:             | Non-applicable *        |

**Product description:**

|  |                              |
|--|------------------------------|
| Density at 20 °C:                            | 980 - 1020 kg/m <sup>3</sup> |
| Relative density at 20 °C:                   | 0,98 - 1,02                  |
| Dynamic viscosity at 20 °C:                  | Non-applicable *             |
| Kinematic viscosity at 20 °C:                | Non-applicable *             |
| Kinematic viscosity at 40 °C:                | Non-applicable *             |
| Concentration:                               | Non-applicable *             |
| pH:  | 5,3 - 5,7                    |
| Vapour density at 20 °C:                     | Non-applicable *             |
| Partition coefficient n-octanol/water 20 °C: | Non-applicable *             |
| Solubility in water at 20 °C:                | Non-applicable *             |
| Solubility properties:                       | Non-applicable *             |
| Decomposition temperature:                   | Non-applicable *             |
| Melting point/freezing point:                | Non-applicable *             |

**Flammability:**

|                            |                  |
|----------------------------|------------------|
| Flash Point:               | 61 °C            |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature:  | 235 °C           |
| Lower flammability limit:  | Non-applicable * |
| Upper flammability limit:  | Non-applicable * |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

**Particle characteristics:**

Median equivalent diameter: Non-applicable

**9.2 Other information:**

**Information with regard to physical hazard classes:**

Explosive properties: Non-applicable \*

Oxidising properties: Non-applicable \*

Corrosive to metals: Non-applicable \*

Heat of combustion: Non-applicable \*

Aerosols-total percentage (by mass) of flammable components: Non-applicable \*

**Other safety characteristics:**

Surface tension at 20 °C: Non-applicable \*

Refraction index: Non-applicable \*

\*Not relevant due to the nature of the product, not providing information property of its hazards.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

**10.2 Chemical stability:**

Chemically stable under the conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight   | Humidity       |
|--------------------|------------------|-------------------------|------------|----------------|
| Not applicable     | Not applicable   | Precaution              | Precaution | Not applicable |

**10.5 Incompatible materials:**

| Acids              | Water          | Oxidising materials | Combustible materials | Others                        |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable        | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- CONTINUED ON NEXT PAGE -



**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- C- Contact with the skin and the eyes (acute effect):
  - Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
  - Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
  - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.  
IARC: propan-2-ol (3); Coumarin (3)
  - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
  - Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.
- E- Sensitizing effects:
  - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
  - Cutaneous: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
- F- Specific target organ toxicity (STOT) - single exposure:
 

Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.
- G- Specific target organ toxicity (STOT)-repeated exposure:
  - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
  - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- H- Aspiration hazard:
 

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

| Identification  | Acute toxicity  |                  | Genus |
|---|-----------------|------------------|-------|
|   |                 |                  |       |
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7  | LD50 oral       | 5280 mg/kg       | Rat   |
|   | LD50 dermal     | 12800 mg/kg      | Rat   |
|   | LC50 inhalation | 72,6 mg/L (4 h)  | Rat   |
| 4-Nonylphenol, branched, ethoxylated<br>CAS: 127087-87-0<br>EC: 500-315-8                                 | LD50 oral       | 500 mg/kg (ATEi) |       |
|   | LD50 dermal     | >2000 mg/kg      |       |
|   | LC50 inhalation | >20 mg/L         |       |
| 4-tert-butylcyclohexyl acetate<br>CAS: 32210-23-4<br>EC: 250-954-9  | LD50 oral       | 3370 mg/kg       |       |
|   | LD50 dermal     | >2000 mg/kg      |       |
|   | LC50 inhalation | >20 mg/L         |       |
| 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8-tetramethyl-2-naphthyl)ethan-1-one<br>CAS: 54464-57-2<br>EC: 259-174-3 | LD50 oral       | >2000 mg/kg      |       |
|   | LD50 dermal     | >2000 mg/kg      |       |
|   | LC50 inhalation | >20 mg/L         |       |
| 3,7-dimethyloctan-3-ol<br>CAS: 78-69-3<br>EC: 201-133-9   | LD50 oral       | >2000 mg/kg      |       |
|   | LD50 dermal     | >2000 mg/kg      |       |
|   | LC50 inhalation | >20 mg/L         |       |
| Hexyl salicylate<br>CAS: 6259-76-3<br>EC: 228-408-6   | LD50 oral       | >5000 mg/kg      | Rat   |
|   | LD50 dermal     | >2000 mg/kg      |       |
|   | LC50 inhalation | >20 mg/L         |       |

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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

| Identification  | Acute toxicity |                 | Genus         |
|---|----------------|-----------------|---------------|
|   | LD50 oral      | LD50 dermal     |               |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8            | 1390 mg/kg     | >2000 mg/kg     | Rat           |
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran<br>CAS: 1222-05-5<br>EC: 214-946-9 | >2000 mg/kg    | >2000 mg/kg     |               |
| Para-anisyl propanal<br>CAS: 5462-06-6<br>EC: 226-749-5   | 4500 mg/kg     | >2000 mg/kg     |               |
| Hexyl cinnam-aldehyde<br>CAS: 101-86-0<br>EC: 202-983-3   | 3100 mg/kg     | 3000 mg/kg      | Rat<br>Rabbit |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol<br>CAS: 28219-61-6<br>EC: 248-908-8   | >5000 mg/kg    | >2000 mg/kg     | Rat           |
| 1,1,2,3,3,6-hexamethylindan-5-yl methyl ketone<br>CAS: 15323-35-0<br>EC: 239-360-0                | >2000 mg/kg    | >2000 mg/kg     |               |
| 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one<br>CAS: 57378-68-4<br>EC: 260-709-8           | 1600 mg/kg     | >2000 mg/kg     | Rat           |
|   |                | LC50 inhalation |               |
|   |                | >20 mg/L        |               |
|   |                | >20 mg/L        |               |
|   |                | >20 mg/L        |               |
|   |                | >20 mg/L        |               |
|   |                | Non-applicable  |               |
|   |                | >20 mg/L        |               |

**Acute Toxicity Estimate (ATE mix):**

| ATE mix    |                                     | Ingredient(s) of unknown toxicity |
|------------|-------------------------------------|-----------------------------------|
| Oral       | 10000 mg/kg (Calculation method)    | 0 %                               |
| Dermal     | >2000 mg/kg (Calculation method)    | Non-applicable                    |
| Inhalation | >20 mg/L (4 h) (Calculation method) | Non-applicable                    |

**11.2 Information on other hazards:**

**Endocrine disrupting properties**

Endocrine-disrupting properties: The product fails to meet the criteria.

**Other information**

Non-applicable

**SECTION 12: ECOLOGICAL INFORMATION**

- CONTINUED ON NEXT PAGE -

**SECTION 12: ECOLOGICAL INFORMATION (continued)**

The experimental information related to the eco-toxicological properties of the product itself is not available

**12.1 Toxicity:**

**Acute toxicity:**

| Identification  | Concentration |                   | Species                         | Genus      |
|---|---------------|-------------------|---------------------------------|------------|
| 4-Nonylphenol, branched, ethoxylated<br>CAS: 127087-87-0<br>EC: 500-315-8                                   | LC50          | 84,7 mg/L (96 h)  | Lepomis macrochirus             | Fish       |
|   | EC50          | 23 mg/L (48 h)    | Daphnia magna                   | Crustacean |
|   | EC50          | 19,5 mg/L (72 h)  | Desmodesmus subspicatus         | Algae      |
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7  | LC50          | 9640 mg/L (96 h)  | Pimephales promelas             | Fish       |
|   | EC50          | 13299 mg/L (48 h) | Daphnia magna                   | Crustacean |
|   | EC50          | 1000 mg/L (72 h)  | Scenedesmus subspicatus         | Algae      |
| 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one<br>CAS: 54464-57-2<br>EC: 259-174-3 | LC50          | >0.1 - 1 (96 h)   |                                 | Fish       |
|   | EC50          | >0.1 - 1 (48 h)   |                                 | Crustacean |
|   | EC50          | >0.1 - 1 (72 h)   |                                 | Algae      |
| 3,7-dimethyloctan-3-ol<br>CAS: 78-69-3<br>EC: 201-133-9   | LC50          | 8,9 mg/L (96 h)   | Brachydanio rerio               | Fish       |
|   | EC50          | 14,2 mg/L (48 h)  | Daphnia magna                   | Crustacean |
|   | EC50          | 21,6 mg/L (72 h)  | Scenedesmus subspicatus         | Algae      |
| Hexyl salicylate<br>CAS: 6259-76-3<br>EC: 228-408-6   | LC50          | >0.1 - 1 (96 h)   |                                 | Fish       |
|   | EC50          | >0.1 - 1 (48 h)   |                                 | Crustacean |
|   | EC50          | >0.1 - 1 (72 h)   |                                 | Algae      |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8                      | LC50          | 2 mg/L (96 h)     | Danio rerio                     | Fish       |
|   | EC50          | 11 mg/L (48 h)    | Daphnia magna                   | Crustacean |
|   | EC50          | 29 mg/L (72 h)    | Desmodesmus subspicatus         | Algae      |
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran<br>CAS: 1222-05-5<br>EC: 214-946-9           | LC50          | 0,95 mg/L (96 h)  | Oryzias latipes                 | Fish       |
|   | EC50          | 0,194 mg/L (48 h) | Daphnia magna                   | Crustacean |
|   | EC50          | 0,723 mg/L (72 h) | Pseudokirchneriella subcapitata | Algae      |
| Hexyl cinnam-aldehyde<br>CAS: 101-86-0<br>EC: 202-983-3   | LC50          | >0.1 - 1 (96 h)   |                                 | Fish       |
|   | EC50          | >0.1 - 1 (48 h)   |                                 | Crustacean |
|   | EC50          | >0.1 - 1 (72 h)   |                                 | Algae      |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol<br>CAS: 28219-61-6<br>EC: 248-908-8             | LC50          | 1,1 mg/L (96 h)   | Lepomis macrochirus             | Fish       |
|   | EC50          | 0,63 mg/L (48 h)  | Daphnia magna                   | Crustacean |
|   | EC50          | 2,5 mg/L (96 h)   | Selenastrum capricornutum       | Algae      |
| 1,1,2,3,3,6-hexamethylindan-5-yl methyl ketone<br>CAS: 15323-35-0<br>EC: 239-360-0                          | LC50          | >0.1 - 1 (96 h)   |                                 | Fish       |
|   | EC50          | >0.1 - 1 (48 h)   |                                 | Crustacean |
|   | EC50          | >0.1 - 1 (72 h)   |                                 | Algae      |

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**Kiribati**

**SECTION 12: ECOLOGICAL INFORMATION (continued)**

| Identification  | Concentration |                 | Species | Genus      |
|---|---------------|-----------------|---------|------------|
|   | LC50          | >0.1 - 1 (96 h) |         |            |
| 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one<br>CAS: 57378-68-4<br>EC: 260-709-8 | EC50          | >0.1 - 1 (48 h) |         | Fish       |
|   | EC50          | >0.1 - 1 (72 h) |         | Crustacean |
|   | EC50          | >0.1 - 1 (72 h) |         | Algae      |

**Chronic toxicity:**

| Identification  | Concentration |                | Species             | Genus |
|---|---------------|----------------|---------------------|-------|
|   | NOEC          | 0,2 mg/L       |                     |       |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6 EC: 201-289-8 | NOEC          | 0,2 mg/L       | Pimephales promelas | Fish  |
|   | NOEC          | Non-applicable |                     |       |

**12.2 Persistence and degradability:**

| Identification  | Degradability |                | Biodegradability |                |
|---|---------------|----------------|------------------|----------------|
|   | BOD5          | Non-applicable | Concentration    | Non-applicable |
| 4-Nonylphenol, branched, ethoxylated<br>CAS: 127087-87-0<br>EC: 500-315-8                       | COD           | Non-applicable | Period           | 28 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 81 %           |
|   | BOD5          | 1,19 g O2/g    | Concentration    | 100 mg/L       |
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7  | COD           | 2,23 g O2/g    | Period           | 14 days        |
|   | BOD5/COD      | 0,53           | % Biodegradable  | 86 %           |
|   | BOD5          | Non-applicable | Concentration    | Non-applicable |
| 3,7-dimethyloctan-3-ol<br>CAS: 78-69-3<br>EC: 201-133-9   | COD           | Non-applicable | Period           | 28 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 61 %           |
|   | BOD5          | Non-applicable | Concentration    | 20 mg/L        |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8          | COD           | Non-applicable | Period           | 28 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 81 %           |
|   | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol<br>CAS: 28219-61-6<br>EC: 248-908-8 | COD           | Non-applicable | Period           | 28 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 0 %            |
|   | BOD5          | Non-applicable | Concentration    | 100 mg/L       |

**12.3 Bioaccumulative potential:**

| Identification  | Bioaccumulation potential |          |
|---|---------------------------|----------|
|   | BCF                       | 8        |
| 4-Nonylphenol, branched, ethoxylated<br>CAS: 127087-87-0<br>EC: 500-315-8 | Pow Log                   | 5.67     |
|   | Potential                 | Low      |
|   | BCF                       | 3        |
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7                              | Pow Log                   | 0.05     |
|   | Potential                 | Low      |
|   | BCF                       | 99       |
| 3,7-dimethyloctan-3-ol<br>CAS: 78-69-3<br>EC: 201-133-9                   | Pow Log                   | 3.3      |
|   | Potential                 | Moderate |

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

| Identification  | Bioaccumulation potential |           |
|---|---------------------------|-----------|
|   | BCF                       | Pow Log   |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8            | 275                       | 4.2       |
|   | Potential                 | High      |
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran<br>CAS: 1222-05-5<br>EC: 214-946-9 | 1584                      | 5.9       |
|   | Potential                 | Very High |
| Hexyl cinnam-aldehyde<br>CAS: 101-86-0<br>EC: 202-983-3   | 17                        |           |
|   | Potential                 | Low       |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol<br>CAS: 28219-61-6<br>EC: 248-908-8   | 65                        | 4.4       |
|   | Potential                 | Moderate  |

**12.4 Mobility in soil:**

| Identification  | Absorption/desorption |                      | Volatility |                |
|---|-----------------------|----------------------|------------|----------------|
|   | Koc                   | Conclusion           | Henry      | Non-applicable |
| 4-Nonylphenol, branched, ethoxylated<br>CAS: 127087-87-0<br>EC: 500-315-8                       | 427                   | Low                  | Dry soil   | Non-applicable |
|   | Surface tension       | Non-applicable       | Moist soil | Non-applicable |
|   | Conclusion            | Very High            | Dry soil   | Yes            |
| propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7  | 1.5                   | 2,24E-2 N/m (25 °C)  | Moist soil | Yes            |
|   | Surface tension       | 2,24E-2 N/m (25 °C)  | Moist soil | Yes            |
|   | Conclusion            | Very High            | Dry soil   | Yes            |
| 3,7-dimethyloctan-3-ol<br>CAS: 78-69-3<br>EC: 201-133-9   | 56                    | 2,678E-2 N/m (25 °C) | Moist soil | Yes            |
|   | Surface tension       | 2,678E-2 N/m (25 °C) | Moist soil | Yes            |
|   | Conclusion            | Very High            | Dry soil   | Yes            |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8          | 1285                  | Non-applicable       | Moist soil | Yes            |
|   | Surface tension       | Non-applicable       | Moist soil | Yes            |
|   | Conclusion            | Low                  | Dry soil   | Yes            |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol<br>CAS: 28219-61-6<br>EC: 248-908-8 | 870                   | Non-applicable       | Moist soil | Non-applicable |
|   | Surface tension       | Non-applicable       | Moist soil | Non-applicable |
|   | Conclusion            | Low                  | Dry soil   | Non-applicable |

**12.5 Results of PBT and vPvB assessment:**

Product fails to meet PBT/vPvB criteria

**12.6 Endocrine disrupting properties:**

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Contains 4-Nonylphenol, branched, ethoxylated. A substance shall be considered as having endocrine-disrupting properties that may cause adverse effects on non-target organisms if: (a) it shows an adverse effect in non-target organisms, which is a change in the morphology, physiology, growth, development, reproduction or life span of an organism, system or (sub)population that results in an impairment of functional capacity, an impairment of the capacity to compensate for additional stress or an increase in susceptibility to other influences  
(b) it has an endocrine mode of action, i.e. it alters the function(s) of the endocrine system  
(c) the adverse effect is a consequence of the endocrine mode of action.

**12.7 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

**Type of waste (Regulation (EU) No 1357/2014):**

HP14 Ecotoxic

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommend disposal down the drain. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

**SECTION 14: TRANSPORT INFORMATION \*\***

**Transport of dangerous goods by land:**

With regard to ADR 2021 and RID 2021:

- |  |                |
|--|----------------|
| <b>14.1 UN number or ID number:</b>                                  | Non-applicable |
| <b>14.2 UN proper shipping name:</b>                                 | Non-applicable |
| <b>14.3 Transport hazard class(es):</b>                              | Non-applicable |
| Labels:  | Non-applicable |
| <b>14.4 Packing group:</b>   | Non-applicable |
| <b>14.5 Environmental hazards:</b>                                   | No             |
| <b>14.6 Special precautions for user</b>                             |                |
| Special regulations:   | Non-applicable |
| Tunnel restriction code:   | Non-applicable |
| Physico-Chemical properties:   | see section 9  |
| Limited quantities:  | Non-applicable |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Non-applicable |

**Transport of dangerous goods by sea:**

With regard to IMDG 39-18:

\*\* Changes with regards to the previous version

**SECTION 14: TRANSPORT INFORMATION \*\* (continued)**

|  |                |
|--|----------------|
| <b>14.1 UN number or ID number:</b>                                  | Non-applicable |
| <b>14.2 UN proper shipping name:</b>                                 | Non-applicable |
| <b>14.3 Transport hazard class(es):</b>                              | Non-applicable |
| Labels:  | Non-applicable |
| <b>14.4 Packing group:</b>   | Non-applicable |
| <b>14.5 Marine pollutant:</b>  | No             |
| <b>14.6 Special precautions for user</b>                             |                |
| Special regulations:   | Non-applicable |
| EmS Codes:   |                |
| Physico-Chemical properties:   | see section 9  |
| Limited quantities:  | Non-applicable |
| Segregation group:   | Non-applicable |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Non-applicable |

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2021:

|  |                |
|--|----------------|
| <b>14.1 UN number or ID number:</b>                                  | Non-applicable |
| <b>14.2 UN proper shipping name:</b>                                 | Non-applicable |
| <b>14.3 Transport hazard class(es):</b>                              | Non-applicable |
| Labels:  | Non-applicable |
| <b>14.4 Packing group:</b>   | Non-applicable |
| <b>14.5 Environmental hazards:</b>                                   | No             |
| <b>14.6 Special precautions for user</b>                             |                |
| Physico-Chemical properties:   | see section 9  |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Non-applicable |

\*\* Changes with regards to the previous version

**SECTION 15: REGULATORY INFORMATION**

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): 4-Nonylphenol, branched, ethoxylated ; 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: 4-Nonylphenol, branched, ethoxylated (04/01/2021)

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: propan-2-ol (Product-type 1, 2, 4)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Contains 4-Nonylphenol, branched, ethoxylated

**Seveso III:**

Non-applicable

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

- CONTINUED ON NEXT PAGE -

**SECTION 15: REGULATORY INFORMATION (continued)**

Contains more than 0.1 % of 4-Nonylphenol, branched, ethoxylated by weight. Shall not be placed on the market, or used, as substances or in mixtures in concentrations equal to or greater than 0,1 % by weight for the following purposes:

(1) industrial and institutional cleaning except:

- controlled closed dry cleaning systems where the washing liquid is recycled or incinerated,
- cleaning systems with special treatment where the washing liquid is recycled or incinerated.

(2) domestic cleaning;

(3) textiles and leather processing except:

- processing with no release into waste water,
- systems with special treatment where the process water is pre-treated to remove the organic fraction completely prior to biological waste water treatment (degreasing of sheepskin);

(4) emulsifier in agricultural teat dips;

(5) metal working except:

uses in controlled closed systems where the washing liquid is recycled or incinerated;

(6) manufacturing of pulp and paper;

(7) cosmetic products;

(8) other personal care products except:

spermicides;

(9) co-formulants in pesticides and biocides. However national authorisations for pesticides or biocidal products containing nonylphenol ethoxylates as co-formulant, granted before 17 July 2003, shall not be affected by this restriction until their date of expiry.

Shall not be used in:

–ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,

–tricks and jokes,

–games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

**SECTION 16: OTHER INFORMATION \*\***

**Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

COMMISSION REGULATION (EU) 2020/878

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Pictograms
- Hazard statements
- Precautionary statements

TRANSPORT INFORMATION (SECTION 14):

- UN number
- Packing group

**Texts of the legislative phrases mentioned in section 2:**

H412: Harmful to aquatic life with long lasting effects.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

\*\* Changes with regards to the previous version



**SECTION 16: OTHER INFORMATION \*\* (continued)**

Acute Tox. 4: H302 - Harmful if swallowed.  
Aquatic Acute 1: H400 - Very toxic to aquatic life.  
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.  
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.  
Eye Irrit. 2: H319 - Causes serious eye irritation.  
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.  
Repr. 2: H361 - Suspected of damaging fertility or the unborn child.  
Skin Irrit. 2: H315 - Causes skin irritation.  
Skin Sens. 1A: H317 - May cause an allergic skin reaction.  
Skin Sens. 1B: H317 - May cause an allergic skin reaction.  
STOT SE 3: H336 - May cause drowsiness or dizziness.

**Classification procedure:**

Aquatic Chronic 3: Calculation method

**Advice related to training:**

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://echa.europa.eu>  
<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road  
IMDG: International maritime dangerous goods code  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
COD: Chemical Oxygen Demand  
BOD5: 5day biochemical oxygen demand  
BCF: Bioconcentration factor  
LD50: Lethal Dose 50  
LC50: Lethal Concentration 50  
EC50: Effective concentration 50  
LogPOW: Octanolwater partition coefficient  
Koc: Partition coefficient of organic carbon  
UFI: unique formula identifier  
IARC: International Agency for Research on Cancer

*\*\* Changes with regards to the previous version*

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -