

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

#### 1.1. Product identifier

|                 |                        |
|-----------------|------------------------|
| Product form    | : Mixture              |
| Trade name      | : SAUVAGE #EU55038F    |
| UFI             | : J30Y-48JX-Q00V-1J51  |
| Product code    | : EU55038F             |
| Type of product | : Perfumes, fragrances |
| Product group   | : Trade product        |

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

##### 1.2.1. Relevant identified uses

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| Main use category                | : Professional use, Industrial use        |
| Industrial/Professional use spec | : Industrial<br>For professional use only |
| Use of the substance/mixture     | : Perfumes, fragrances                    |
| Function or use category         | : Odour agents                            |

##### 1.2.2. Uses advised against

No additional information available

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

FRENCH COLOR & FRAGRANCE International GmbH  
Mittlerer Weg 35  
DE 79424 Auggen  
Germany  
T 49-7631-931-8900  
[SDS@frenchcolor.com](mailto:SDS@frenchcolor.com), [www.frenchcolor.com](http://www.frenchcolor.com)

#### 1.4. Emergency telephone number

|                  |                                                                                                                                          |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Emergency number | : 1-800-255-3924; +01-813-248-0585; China: +400-120-0751; Mexico: +01-800-099-0731;<br>Brazil: +0-800-591-6042; India: +000-800-100-4086 |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------|

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|                                                                   |      |
|-------------------------------------------------------------------|------|
| Skin corrosion/irritation, Category 2                             | H315 |
| Serious eye damage/eye irritation, Category 2                     | H319 |
| Skin sensitisation, Category 1                                    | H317 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 2 | H411 |

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye irritation. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Warning

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contains                       | : 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone; Hexyl cinnamic aldehyde; Linalyl acetate; Linalool; Cyclamal; Helional; (R)-p-mentha-1,8-diene; d-limonene; Hexyl salicylate; Clary sage oil; Lime oil distilled ; Patchouli oil; Vetiver oil; Lavandin abrialis oil; COUMARIN; Citronellol Pure; Trimofix O; Cashmeran; Orange oil ; Neryl acetate; Geranyl acetate; Floralozone; dipentene; limonene |
| Hazard statements (CLP)        | : H315 - Causes skin irritation.<br>H317 - May cause an allergic skin reaction.<br>H319 - Causes serious eye irritation.<br>H411 - Toxic to aquatic life with long lasting effects.                                                                                                                                                                                                                                                |
| Precautionary statements (CLP) | : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P264 - Wash hands, forearms and face thoroughly after handling.<br>P272 - Contaminated work clothing should not be allowed out of the workplace.<br>P273 - Avoid release to the environment.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.<br>P302+P352 - IF ON SKIN: Wash with plenty of water.           |
| Extra phrases                  | : For professional users only.                                                                                                                                                                                                                                                                                                                                                                                                     |

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                                                     | Product identifier                                                                                | %           | Classification according to Regulation (EC) No. 1272/2008 [CLP]      |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------|
| 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone | CAS-No.: 54464-57-2<br>EC-No.: 259-174-3<br>REACH-no: 01-2119489989-04                            | 5.2 – 10.3  | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Chronic 1, H410 |
| Hexyl cinnamic aldehyde                                                  | CAS-No.: 101-86-0<br>EC-No.: 202-983-3<br>REACH-no: 01-2119533092-50                              | 5 – 10      | Skin Sens. 1, H317<br>Aquatic Chronic 2, H411                        |
| Ethylene brassylate                                                      | CAS-No.: 105-95-3<br>EC-No.: 203-347-8<br>REACH-no: 01-2119976314-33                              | 5 – 10      | Aquatic Chronic 2, H411                                              |
| Linalyl acetate                                                          | CAS-No.: 115-95-7<br>EC-No.: 204-116-4<br>REACH-no: 01-2119454789-19                              | 2 – 4.0823  | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317      |
| Linalool                                                                 | CAS-No.: 78-70-6<br>EC-No.: 201-134-4<br>EC Index-No.: 603-235-00-2<br>REACH-no: 01-2119474016-42 | 1.9 – 3.807 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317     |

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| Name                                                                                                                  | Product identifier                                                                                  | %            | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                           |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 4-cyclohexyl-2-methyl-2-butanol                                                                                       | CAS-No.: 83926-73-2<br>EC-No.: 420-630-3<br>EC Index-No.: 603-174-00-1                              | 1.3 – 2.6    | Eye Dam. 1, H318<br>Aquatic Chronic 2, H411                                                                                               |
| Clary sage oil                                                                                                        | CAS-No.: 8016-63-5<br>EC-No.: 616-984-5                                                             | 1.1 – 2.2    | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412                                                |
| Dihydromyrcenol                                                                                                       | CAS-No.: 18479-58-8<br>EC-No.: 242-362-4<br>REACH-no: 01-2119457274-37                              | 0.9 – 1.8    | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                                                                                                 |
| (R)-p-mentha-1,8-diene; d-limonene<br>substance with national workplace exposure limit(s)<br>(DE, ES, FI, SI, NO, CH) | CAS-No.: 5989-27-5<br>EC-No.: 205-341-0<br>EC Index-No.: 601-096-00-2<br>REACH-no: 01-2119493353-35 | 0.7 – 1.4678 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412 |
| Verdorex                                                                                                              | CAS-No.: 88-41-5<br>EC-No.: 201-828-7<br>REACH-no: 01-2119970713-33                                 | 0.7 – 1.4    | Aquatic Chronic 2, H411                                                                                                                   |
| Cyclamal                                                                                                              | CAS-No.: 103-95-7<br>EC-No.: 203-161-7<br>REACH-no: 01-2119970582-32                                | 0.6 – 1.14   | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Chronic 2, H411                                                                     |
| Helional                                                                                                              | CAS-No.: 1205-17-0<br>EC-No.: 214-881-6<br>REACH-no: 01-2120740119-58                               | 0.6 – 1.1    | Skin Sens. 1B, H317<br>Repr. 2, H361<br>Aquatic Chronic 2, H411                                                                           |
| Hexyl salicylate                                                                                                      | CAS-No.: 6259-76-3<br>EC-No.: 228-408-6                                                             | 0.5 – 1.0911 | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                             |
| Vetiver oil                                                                                                           | CAS-No.: 8016-96-4<br>EC-No.: 616-993-4<br>REACH-no: 01-2120119716-55                               | 0.5 – 1      | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411                                                |
| Trimofix O                                                                                                            | CAS-No.: 144020-22-4<br>EC-No.: 482-330-9                                                           | 0.5 – 1      | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>Skin Sens. 1B, H317                                                                   |
| Cashmeran                                                                                                             | CAS-No.: 33704-61-9<br>EC-No.: 251-649-3<br>REACH-no: 01-2119977131-40                              | 0.5 – 1      | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317<br>STOT RE 2, H373<br>Aquatic Chronic 2, H411                            |
| Citronellol Pure                                                                                                      | CAS-No.: 106-22-9<br>EC-No.: 203-375-0<br>REACH-no: 01-2119453995-23                                | 0.4 – 0.75   | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317                                                                          |

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| Name                                                                                                                                                                                                                                                      | Product identifier                                                                                 | %            | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| COUMARIN                                                                                                                                                                                                                                                  | CAS-No.: 91-64-5<br>EC-No.: 202-086-7<br>REACH-no: 01-2119943756-26                                | 0.3 – 0.6    | Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411 |
| benzyl alcohol<br>substance with national workplace exposure limit(s)<br>(BG, CZ, DE, FI, LT, LV, PL, SI, CH)                                                                                                                                             | CAS-No.: 100-51-6<br>EC-No.: 202-859-9<br>EC Index-No.: 603-057-00-5<br>REACH-no: 01-2119492630-38 | 0.2 – 0.4    | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                                    |
| Lavandin abrialis oil                                                                                                                                                                                                                                     | CAS-No.: 8022-15-9<br>EC-No.: 617-009-6                                                            | 0.2 – 0.4    | Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3, H412                                                     |
| Patchouli oil                                                                                                                                                                                                                                             | CAS-No.: 8014-09-3<br>EC Index-No.: 616-944-7                                                      | 0.2 – 0.36   | Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411                                                                          |
| Orange oil                                                                                                                                                                                                                                                | CAS-No.: 8008-57-9<br>EC-No.: 232-433-8<br>REACH-no: 01-2119493353-35                              | 0.1 – 0.2196 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411     |
| Lime oil distilled                                                                                                                                                                                                                                        | CAS-No.: 8008-26-2<br>EC-No.: 290-010-3<br>REACH-no: 01-2120138646-51                              | 0.1 – 0.1585 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Repr. 1A, H360FD<br>Asp. Tox. 1, H304<br>Aquatic Chronic 1, H410          |
| dipentene; limonene<br>substance with national workplace exposure limit(s)<br>(EE, LT, SE, NO)                                                                                                                                                            | CAS-No.: 138-86-3                                                                                  | 0.1 – 0.1585 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                          |
| isopentyl acetate<br>substance with national workplace exposure limit(s)<br>(AT, BE, BG, CY, DE, DK, EE, ES, FI, FR, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR); substance with a Community workplace exposure limit | CAS-No.: 123-92-2<br>EC-No.: 204-662-3<br>EC Index-No.: 607-130-00-2<br>REACH-no: 01-2119548408-32 | 0.1 – 0.15   | Flam. Liq. 3, H226                                                                                                                           |
| Geranyl acetate                                                                                                                                                                                                                                           | CAS-No.: 105-87-3<br>EC-No.: 203-341-5<br>REACH-no: 01-2119973480-35                               | 0.1 – 0.1195 | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412                                                                         |
| Neryl acetate                                                                                                                                                                                                                                             | CAS-No.: 141-12-8<br>EC-No.: 205-459-2                                                             | 0.1 – 0.1    | Skin Sens. 1B, H317                                                                                                                          |
| Floralozone                                                                                                                                                                                                                                               | CAS-No.: 67634-15-5<br>EC-No.: 266-819-2<br>REACH-no: 01-2120758796-34                             | 0.1 – 0.1    | Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317                                               |

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| Name                                                                                                  | Product identifier                                                                                  | %          | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------|
| .alpha.-Pinene<br>substance with national workplace exposure limit(s)<br>(BE, EE, ES, LT, PT, SE, NO) | CAS-No.: 80-56-8<br>EC-No.: 201-291-9                                                               | 0 – 0.0584 | Flam. Liq. 3, H226                                              |
| citral<br>substance with national workplace exposure limit(s)<br>(BE, ES, IE, PL, PT)                 | CAS-No.: 5392-40-5<br>EC-No.: 226-394-6<br>EC Index-No.: 605-019-00-3<br>REACH-no: 01-2119462829-23 | 0 – 0.0209 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317 |
| Alcohol C-10<br>substance with national workplace exposure limit(s)<br>(BG, DE, LT, LV, RO, CH)       | CAS-No.: 112-30-1<br>EC-No.: 203-956-9                                                              | 0 – 0.0014 | Aquatic Chronic 3, H412                                         |
| Aldehyde C-6<br>substance with national workplace exposure limit(s)<br>(FI, PL)                       | CAS-No.: 66-25-1<br>EC-No.: 200-624-5                                                               | 0 – 0.0004 | Flam. Liq. 3, H226                                              |

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                                                                                                                 |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.                                               |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.                                                                                                                           |

### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |                                                    |
|-------------------------------------|----------------------------------------------------|
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : Eye irritation.                                  |

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                              |                                                  |
|------------------------------|--------------------------------------------------|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--------------------------------------------------|

### 5.2. Special hazards arising from the substance or mixture

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--------------------------------------------------|--------------------------------|

### 5.3. Advice for firefighters

|                                |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.  
Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.  
Storage temperature : 25 °C  
Storage area : Store in a well-ventilated place. Store away from heat.  
Special rules on packaging : Store in a closed container.  
Packaging materials : Do not store in corrodable metal.

##### Germany

Storage class (LGK, TRGS 510) : LGK 10 - Combustible liquids

Joint storage table :

|          |         |          |          |           |
|----------|---------|----------|----------|-----------|
| LGK 1    | LGK 2A  | LGK 2B   | LGK 3    | LGK 4.1A  |
| LGK 4.1B | LGK 4.2 | LGK 4.3  | LGK 5.1A | LGK 5.1B  |
| LGK 5.1C | LGK 5.2 | LGK 6.1A | LGK 6.1B | LGK 6.1C  |
| LGK 6.1D | LGK 6.2 | LGK 7    | LGK 8A   | LGK 8B    |
| LGK 10   | LGK 11  | LGK 12   | LGK 13   | LGK 10-13 |

Joint storage not permitted for : LGK 1, LGK 2A, LGK 5.1A, LGK 6.2, LGK 7  
Joint storage with restrictions permitted for : LGK 4.1A, LGK 4.2, LGK 4.3, LGK 5.1B, LGK 5.1C, LGK 5.2  
Joint storage permitted for : LGK 2B, LGK 3, LGK 4.1B, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13

##### Switzerland

Storage class (LK) : LK 10/12 - Liquids

#### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

###### (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)

###### Finland - Occupational Exposure Limits

|                |                       |
|----------------|-----------------------|
| HTP (OEL TWA)  | 140 mg/m <sup>3</sup> |
|                | 25 ppm                |
| HTP (OEL STEL) | 280 mg/m <sup>3</sup> |
|                | 50 ppm                |

###### Germany - Occupational Exposure Limits (TRGS 900)

|                   |                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------|
| AGW (OEL TWA)     | 28 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
|                   | 5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)                |
| Chemical category | Skin notation, Skin sensitization                                                                                     |

###### Slovenia - Occupational Exposure Limits

|                       |                                    |
|-----------------------|------------------------------------|
| OEL TWA               | 28 mg/m <sup>3</sup>               |
|                       | 5 ppm                              |
| OEL STEL              | 112 mg/m <sup>3</sup>              |
|                       | 20 ppm                             |
| OEL chemical category | Potential for cutaneous absorption |

###### Spain - Occupational Exposure Limits

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| VLA-ED (OEL TWA)      | 168 mg/m <sup>3</sup>                                 |
|                       | 30 ppm                                                |
| OEL chemical category | Sensitizer, skin - potential for cutaneous absorption |

###### Norway - Occupational Exposure Limits

|                          |                                          |
|--------------------------|------------------------------------------|
| Grenseverdi (OEL TWA)    | 140 mg/m <sup>3</sup>                    |
|                          | 25 ppm                                   |
| Korttidsverdi (OEL STEL) | 175 mg/m <sup>3</sup> (value calculated) |
|                          | 37.5 ppm (value calculated)              |
| OEL chemical category    | Allergenic substance                     |

###### Switzerland - Occupational Exposure Limits

|                       |                      |
|-----------------------|----------------------|
| MAK (OEL TWA)         | 40 mg/m <sup>3</sup> |
|                       | 7 ppm                |
| KZGW (OEL STEL)       | 80 mg/m <sup>3</sup> |
|                       | 14 ppm               |
| OEL chemical category | Sensitizer           |

###### benzyl alcohol (100-51-6)

###### Bulgaria - Occupational Exposure Limits

|         |                     |
|---------|---------------------|
| OEL TWA | 5 mg/m <sup>3</sup> |
|---------|---------------------|

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|                                                          |                                                                                                                       |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>benzyl alcohol (100-51-6)</b>                         |                                                                                                                       |
| <b>Czech Republic - Occupational Exposure Limits</b>     |                                                                                                                       |
| PEL (OEL TWA)                                            | 40 mg/m <sup>3</sup>                                                                                                  |
| <b>Finland - Occupational Exposure Limits</b>            |                                                                                                                       |
| HTP (OEL TWA)                                            | 45 mg/m <sup>3</sup>                                                                                                  |
|                                                          | 10 ppm                                                                                                                |
| <b>Germany - Occupational Exposure Limits (TRGS 900)</b> |                                                                                                                       |
| AGW (OEL TWA)                                            | 22 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
|                                                          | 5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)                |
| Chemical category                                        | Skin notation                                                                                                         |
| <b>Latvia - Occupational Exposure Limits</b>             |                                                                                                                       |
| OEL TWA                                                  | 5 mg/m <sup>3</sup>                                                                                                   |
| <b>Lithuania - Occupational Exposure Limits</b>          |                                                                                                                       |
| IPRV (OEL TWA)                                           | 5 mg/m <sup>3</sup>                                                                                                   |
| OEL chemical category                                    | Skin notation                                                                                                         |
| <b>Poland - Occupational Exposure Limits</b>             |                                                                                                                       |
| NDS (OEL TWA)                                            | 240 mg/m <sup>3</sup>                                                                                                 |
| <b>Slovenia - Occupational Exposure Limits</b>           |                                                                                                                       |
| OEL TWA                                                  | 22 mg/m <sup>3</sup>                                                                                                  |
|                                                          | 5 ppm                                                                                                                 |
| OEL STEL                                                 | 44 mg/m <sup>3</sup>                                                                                                  |
|                                                          | 10 ppm                                                                                                                |
| OEL chemical category                                    | Potential for cutaneous absorption                                                                                    |
| <b>Switzerland - Occupational Exposure Limits</b>        |                                                                                                                       |
| MAK (OEL TWA)                                            | 22 mg/m <sup>3</sup> (aerosol, vapour)                                                                                |
|                                                          | 5 ppm (aerosol, vapour)                                                                                               |
| OEL chemical category                                    | Skin notation                                                                                                         |
| <b>Alcohol C-10 (112-30-1)</b>                           |                                                                                                                       |
| <b>Bulgaria - Occupational Exposure Limits</b>           |                                                                                                                       |
| OEL TWA                                                  | 10 mg/m <sup>3</sup>                                                                                                  |
| <b>Germany - Occupational Exposure Limits (TRGS 900)</b> |                                                                                                                       |
| AGW (OEL TWA)                                            | 66 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
|                                                          | 10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)               |
| <b>Latvia - Occupational Exposure Limits</b>             |                                                                                                                       |
| OEL TWA                                                  | 10 mg/m <sup>3</sup>                                                                                                  |
| <b>Lithuania - Occupational Exposure Limits</b>          |                                                                                                                       |
| IPRV (OEL TWA)                                           | 10 mg/m <sup>3</sup>                                                                                                  |

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|                                                    |                                          |
|----------------------------------------------------|------------------------------------------|
| Alcohol C-10 (112-30-1)                            |                                          |
| Romania - Occupational Exposure Limits             |                                          |
| OEL TWA                                            | 100 mg/m³                                |
|                                                    | 15 ppm                                   |
| OEL STEL                                           | 200 mg/m³                                |
|                                                    | 30 ppm                                   |
| Switzerland - Occupational Exposure Limits         |                                          |
| MAK (OEL TWA)                                      | 66 mg/m³ (aerosol, vapour)               |
|                                                    | 10 ppm (aerosol, vapour)                 |
| KZGW (OEL STEL)                                    | 66 mg/m³ (aerosol, vapour)               |
|                                                    | 10 ppm (aerosol, vapour)                 |
| isopentyl acetate (123-92-2)                       |                                          |
| EU - Indicative Occupational Exposure Limit (IOEL) |                                          |
| IOEL TWA                                           | 270 mg/m³                                |
|                                                    | 50 ppm                                   |
| IOEL STEL                                          | 540 mg/m³                                |
|                                                    | 100 ppm                                  |
| Austria - Occupational Exposure Limits             |                                          |
| MAK (OEL TWA)                                      | 270 mg/m³ (Pentyl acetate (all isomers)) |
|                                                    | 50 ppm (Pentyl acetate (all isomers))    |
| MAK (OEL STEL)                                     | 540 mg/m³ (Pentylacetate)                |
|                                                    | 100 ppm (Pentylacetate)                  |
| Belgium - Occupational Exposure Limits             |                                          |
| OEL TWA                                            | 270 mg/m³                                |
|                                                    | 50 ppm                                   |
| OEL STEL                                           | 540 mg/m³                                |
|                                                    | 100 ppm                                  |
| Bulgaria - Occupational Exposure Limits            |                                          |
| OEL TWA                                            | 270 mg/m³                                |
|                                                    | 50 ppm                                   |
| OEL STEL                                           | 540 mg/m³                                |
|                                                    | 100 ppm                                  |
| Croatia - Occupational Exposure Limits             |                                          |
| GVI (OEL TWA)                                      | 270 mg/m³                                |
|                                                    | 50 ppm                                   |
| KGVI (OEL STEL)                                    | 540 mg/m³                                |
|                                                    | 100 ppm                                  |
| Cyprus - Occupational Exposure Limits              |                                          |
| OEL TWA                                            | 270 mg/m³                                |
|                                                    | 50 ppm                                   |

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| isopentyl acetate (123-92-2)                      |                                                   |
|---------------------------------------------------|---------------------------------------------------|
| OEL STEL                                          | 540 mg/m <sup>3</sup>                             |
|                                                   | 100 ppm                                           |
| Denmark - Occupational Exposure Limits            |                                                   |
| OEL TWA                                           | 271 mg/m <sup>3</sup> (Amyl acetate, all isomers) |
|                                                   | 50 ppm (Amyl acetate, all isomers)                |
| OEL STEL                                          | 540 mg/m <sup>3</sup>                             |
|                                                   | 100 ppm                                           |
| Estonia - Occupational Exposure Limits            |                                                   |
| OEL TWA                                           | 270 mg/m <sup>3</sup>                             |
|                                                   | 50 ppm                                            |
| OEL STEL                                          | 540 mg/m <sup>3</sup>                             |
|                                                   | 100 ppm                                           |
| Finland - Occupational Exposure Limits            |                                                   |
| HTP (OEL TWA)                                     | 270 mg/m <sup>3</sup> (Pentyl acetate)            |
|                                                   | 50 ppm (Pentyl acetate)                           |
| HTP (OEL STEL)                                    | 540 mg/m <sup>3</sup>                             |
|                                                   | 100 ppm                                           |
| France - Occupational Exposure Limits             |                                                   |
| VME (OEL TWA)                                     | 270 mg/m <sup>3</sup> (restrictive limit)         |
|                                                   | 50 ppm (restrictive limit)                        |
| VLE (OEL C/STEL)                                  | 540 mg/m <sup>3</sup> (restrictive limit)         |
|                                                   | 100 ppm (restrictive limit)                       |
| Germany - Occupational Exposure Limits (TRGS 900) |                                                   |
| AGW (OEL TWA)                                     | 270 mg/m <sup>3</sup>                             |
|                                                   | 50 ppm                                            |
| Gibraltar - Occupational Exposure Limits          |                                                   |
| OEL TWA                                           | 270 mg/m <sup>3</sup>                             |
|                                                   | 50 ppm                                            |
| OEL STEL                                          | 540 mg/m <sup>3</sup>                             |
|                                                   | 100 ppm                                           |
| Greece - Occupational Exposure Limits             |                                                   |
| OEL TWA                                           | 530 mg/m <sup>3</sup>                             |
|                                                   | 100 ppm                                           |
| OEL STEL                                          | 800 mg/m <sup>3</sup>                             |
|                                                   | 150 ppm                                           |
| Hungary - Occupational Exposure Limits            |                                                   |
| AK (OEL TWA)                                      | 270 mg/m <sup>3</sup>                             |
| CK (OEL STEL)                                     | 540 mg/m <sup>3</sup>                             |

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| isopentyl acetate (123-92-2)               |                                                               |
|--------------------------------------------|---------------------------------------------------------------|
| Ireland - Occupational Exposure Limits     |                                                               |
| OEL TWA                                    | 260 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| OEL STEL                                   | 520 mg/m <sup>3</sup>                                         |
|                                            | 100 ppm                                                       |
| Italy - Occupational Exposure Limits       |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| OEL STEL                                   | 540 mg/m <sup>3</sup>                                         |
|                                            | 100 ppm                                                       |
| Latvia - Occupational Exposure Limits      |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| Lithuania - Occupational Exposure Limits   |                                                               |
| IPRV (OEL TWA)                             | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| TPRV (OEL STEL)                            | 540 mg/m <sup>3</sup>                                         |
|                                            | 100 ppm                                                       |
| Luxembourg - Occupational Exposure Limits  |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| OEL STEL                                   | 540 mg/m <sup>3</sup>                                         |
|                                            | 100 ppm                                                       |
| Malta - Occupational Exposure Limits       |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| OEL STEL                                   | 540 mg/m <sup>3</sup>                                         |
|                                            | 100 ppm                                                       |
| Netherlands - Occupational Exposure Limits |                                                               |
| TGG-15min (OEL STEL)                       | 530 mg/m <sup>3</sup>                                         |
|                                            | 98.1 ppm                                                      |
| Poland - Occupational Exposure Limits      |                                                               |
| NDS (OEL TWA)                              | 250 mg/m <sup>3</sup>                                         |
| NDSch (OEL STEL)                           | 500 mg/m <sup>3</sup>                                         |
| Portugal - Occupational Exposure Limits    |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup> (indicative limit value)                |
|                                            | 50 ppm (indicative limit value (Pentyl acetate, all isomers)) |
| OEL STEL                                   | 540 mg/m <sup>3</sup> (indicative limit value)                |
|                                            | 100 ppm (indicative limit value)                              |

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| isopentyl acetate (123-92-2)               |                                        |
|--------------------------------------------|----------------------------------------|
| Romania - Occupational Exposure Limits     |                                        |
| OEL TWA                                    | 270 mg/m³                              |
|                                            | 50 ppm                                 |
| OEL STEL                                   | 540 mg/m³                              |
|                                            | 100 ppm                                |
| Slovakia - Occupational Exposure Limits    |                                        |
| NPHV (OEL TWA)                             | 270 mg/m³                              |
|                                            | 50 ppm                                 |
| NPHV (OEL C)                               | 540 mg/m³                              |
| Slovenia - Occupational Exposure Limits    |                                        |
| OEL TWA                                    | 270 mg/m³                              |
|                                            | 50 ppm                                 |
| OEL STEL                                   | 540 mg/m³                              |
|                                            | 100 ppm                                |
| Spain - Occupational Exposure Limits       |                                        |
| VLA-ED (OEL TWA)                           | 270 mg/m³ (indicative limit value)     |
|                                            | 50 ppm (indicative limit value)        |
| VLA-EC (OEL STEL)                          | 540 mg/m³                              |
|                                            | 100 ppm                                |
| Sweden - Occupational Exposure Limits      |                                        |
| NGV (OEL TWA)                              | 270 mg/m³ (Pentyl acetates)            |
|                                            | 50 ppm (Pentyl acetates)               |
| KGV (OEL STEL)                             | 540 mg/m³ (Pentyl acetates)            |
|                                            | 100 ppm (Pentyl acetates)              |
| Norway - Occupational Exposure Limits      |                                        |
| Grenseverdi (OEL TWA)                      | 260 mg/m³                              |
|                                            | 50 ppm                                 |
| Korttidsverdi (OEL STEL)                   | 325 mg/m³ (value calculated)           |
|                                            | 75 ppm (value calculated)              |
| Switzerland - Occupational Exposure Limits |                                        |
| MAK (OEL TWA)                              | 260 mg/m³ (Pentyl acetate all isomers) |
|                                            | 50 ppm (Pentyl acetate all isomers)    |
| KZGW (OEL STEL)                            | 260 mg/m³ (Pentyl acetate all isomers) |
|                                            | 50 ppm (Pentyl acetate all isomers)    |
| USA - ACGIH - Occupational Exposure Limits |                                        |
| ACGIH OEL TWA                              | 50 ppm (Pentyl acetate, all isomers)   |
| ACGIH OEL STEL                             | 100 ppm (Pentyl acetate, all isomers)  |

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|                                                   |                                                                                                                                                                           |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>citral (5392-40-5)</b>                         |                                                                                                                                                                           |
| <b>Belgium - Occupational Exposure Limits</b>     |                                                                                                                                                                           |
| OEL TWA                                           | 32 mg/m <sup>3</sup> (vapor and aerosol)                                                                                                                                  |
|                                                   | 5 ppm (vapor and aerosol)                                                                                                                                                 |
| OEL chemical category                             | Skin                                                                                                                                                                      |
| <b>Ireland - Occupational Exposure Limits</b>     |                                                                                                                                                                           |
| OEL TWA                                           | 5 ppm                                                                                                                                                                     |
| OEL STEL                                          | 15 ppm (calculated)                                                                                                                                                       |
| <b>Poland - Occupational Exposure Limits</b>      |                                                                                                                                                                           |
| NDS (OEL TWA)                                     | 27 mg/m <sup>3</sup>                                                                                                                                                      |
| NDSch (OEL STEL)                                  | 54 mg/m <sup>3</sup>                                                                                                                                                      |
| <b>Portugal - Occupational Exposure Limits</b>    |                                                                                                                                                                           |
| OEL TWA                                           | 5 ppm (inhalable fraction; vapor)                                                                                                                                         |
| OEL chemical category                             | Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure                                                                   |
| <b>Spain - Occupational Exposure Limits</b>       |                                                                                                                                                                           |
| VLA-ED (OEL TWA)                                  | 5 ppm (inhalable fraction and vapor)                                                                                                                                      |
| OEL chemical category                             | Sensitizer, skin - potential for cutaneous absorption                                                                                                                     |
| <b>USA - ACGIH - Occupational Exposure Limits</b> |                                                                                                                                                                           |
| ACGIH OEL TWA                                     | 5 ppm (inhalable fraction and vapor)                                                                                                                                      |
| ACGIH chemical category                           | Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer                           |
| <b>Aldehyde C-6 (66-25-1)</b>                     |                                                                                                                                                                           |
| <b>Finland - Occupational Exposure Limits</b>     |                                                                                                                                                                           |
| HTP (OEL STEL)                                    | 42 mg/m <sup>3</sup>                                                                                                                                                      |
|                                                   | 10 ppm                                                                                                                                                                    |
| <b>Poland - Occupational Exposure Limits</b>      |                                                                                                                                                                           |
| NDS (OEL TWA)                                     | 40 mg/m <sup>3</sup>                                                                                                                                                      |
| NDSch (OEL STEL)                                  | 80 mg/m <sup>3</sup>                                                                                                                                                      |
| <b>.alpha.-Pinene (80-56-8)</b>                   |                                                                                                                                                                           |
| <b>Belgium - Occupational Exposure Limits</b>     |                                                                                                                                                                           |
| OEL TWA                                           | 20 ppm                                                                                                                                                                    |
| <b>Estonia - Occupational Exposure Limits</b>     |                                                                                                                                                                           |
| OEL TWA                                           | 150 mg/m <sup>3</sup> (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect) |
|                                                   | 25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)                |
| OEL STEL                                          | 300 mg/m <sup>3</sup> (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect) |
|                                                   | 50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)                |

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| .alpha.-Pinene (80-56-8)                   |                                                                                                                                                                           |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lithuania - Occupational Exposure Limits   |                                                                                                                                                                           |
| IPRV (OEL TWA)                             | 150 mg/m <sup>3</sup>                                                                                                                                                     |
|                                            | 25 ppm                                                                                                                                                                    |
| TPRV (OEL STEL)                            | 300 mg/m <sup>3</sup>                                                                                                                                                     |
|                                            | 50 ppm                                                                                                                                                                    |
| Portugal - Occupational Exposure Limits    |                                                                                                                                                                           |
| OEL TWA                                    | 20 ppm (Turpentine and selected Monoterpenes)                                                                                                                             |
| OEL chemical category                      | Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen                                                                                                            |
| Spain - Occupational Exposure Limits       |                                                                                                                                                                           |
| VLA-ED (OEL TWA)                           | 113 mg/m <sup>3</sup>                                                                                                                                                     |
|                                            | 20 ppm                                                                                                                                                                    |
| OEL chemical category                      | Sensitizer                                                                                                                                                                |
| Sweden - Occupational Exposure Limits      |                                                                                                                                                                           |
| NGV (OEL TWA)                              | 150 mg/m <sup>3</sup>                                                                                                                                                     |
|                                            | 25 ppm                                                                                                                                                                    |
| KGV (OEL STEL)                             | 300 mg/m <sup>3</sup>                                                                                                                                                     |
|                                            | 50 ppm                                                                                                                                                                    |
| OEL chemical category                      | Sensitizer                                                                                                                                                                |
| Norway - Occupational Exposure Limits      |                                                                                                                                                                           |
| Grenseverdi (OEL TWA)                      | 140 mg/m <sup>3</sup>                                                                                                                                                     |
|                                            | 25 ppm                                                                                                                                                                    |
| Korttidsverdi (OEL STEL)                   | 175 mg/m <sup>3</sup> (value calculated)                                                                                                                                  |
|                                            | 37.5 ppm (value calculated)                                                                                                                                               |
| OEL chemical category                      | Skin notation                                                                                                                                                             |
| USA - ACGIH - Occupational Exposure Limits |                                                                                                                                                                           |
| ACGIH OEL TWA                              | 20 ppm (Turpentine and selected Monoterpenes)                                                                                                                             |
| ACGIH chemical category                    | Not Classifiable as a Human Carcinogen, dermal sensitizer                                                                                                                 |
| dipentene; limonene (138-86-3)             |                                                                                                                                                                           |
| Estonia - Occupational Exposure Limits     |                                                                                                                                                                           |
| OEL TWA                                    | 150 mg/m <sup>3</sup> (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect) |
|                                            | 25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)                |
| OEL STEL                                   | 300 mg/m <sup>3</sup> (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect) |
|                                            | 50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)                |
| Lithuania - Occupational Exposure Limits   |                                                                                                                                                                           |
| IPRV (OEL TWA)                             | 150 mg/m <sup>3</sup>                                                                                                                                                     |
|                                            | 25 ppm                                                                                                                                                                    |

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| dipentene; limonene (138-86-3)        |                                                 |
|---------------------------------------|-------------------------------------------------|
| TPRV (OEL STEL)                       | 300 mg/m³                                       |
|                                       | 50 ppm                                          |
| OEL chemical category                 | Sensitizer coniferous resin sensitizes the skin |
| Sweden - Occupational Exposure Limits |                                                 |
| NGV (OEL TWA)                         | 150 mg/m³                                       |
|                                       | 25 ppm                                          |
| KGV (OEL STEL)                        | 300 mg/m³                                       |
|                                       | 50 ppm                                          |
| OEL chemical category                 | Sensitizer                                      |
| Norway - Occupational Exposure Limits |                                                 |
| Grenseverdi (OEL TWA)                 | 140 mg/m³                                       |
|                                       | 25 ppm                                          |
| Korttidsverdi (OEL STEL)              | 175 mg/m³ (value calculated)                    |
|                                       | 37.5 ppm (value calculated)                     |
| OEL chemical category                 | Allergenic substance                            |

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves

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### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                                              |
|-------------------------------------------------|----------------------------------------------|
| Physical state                                  | : Liquid                                     |
| Colour                                          | : light yellow. amber. Conforms to standard. |
| Odour                                           | : characteristic.                            |
| Odour threshold                                 | : Not available                              |
| Melting point                                   | : Not applicable                             |
| Freezing point                                  | : Not available                              |
| Boiling point                                   | : Not available                              |
| Flammability                                    | : Not available                              |
| Lower explosion limit                           | : Not available                              |
| Upper explosion limit                           | : Not available                              |
| Flash point                                     | : 95 °C (closed cup) ASTM D7094              |
| Auto-ignition temperature                       | : Not available                              |
| Decomposition temperature                       | : Not available                              |
| pH                                              | : Not available                              |
| Viscosity, kinematic                            | : Not available                              |
| Solubility                                      | : Not available                              |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                              |
| Vapour pressure                                 | : Not available                              |
| Vapour pressure at 50°C                         | : Not available                              |
| Density                                         | : Not available                              |
| Relative density                                | : Not available                              |
| Relative vapour density at 20°C                 | : Not available                              |
| Particle characteristics                        | : Not applicable                             |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Hexyl cinnamic aldehyde (101-86-0)

|                       |                                 |
|-----------------------|---------------------------------|
| LD50 oral rat         | 3100 mg/kg (Source: NLM_CIP)    |
| LD50 oral             | 3100 mg/kg bodyweight           |
| LD50 dermal rabbit    | > 3000 mg/kg (Source: EPA_HPVS) |
| LC50 Inhalation - Rat | > 5 mg/l/4h                     |

#### Ethylene brassylate (105-95-3)

|                    |                             |
|--------------------|-----------------------------|
| LD50 oral rat      | > 5000 mg/kg (Source: ECHA) |
| LD50 dermal rabbit | > 5000 mg/kg (Source: ECHA) |

#### Linalyl acetate (115-95-7)

|                       |                                                |
|-----------------------|------------------------------------------------|
| LD50 oral rat         | 14550 mg/kg (Source: EPA_HPVS)                 |
| LD50 dermal rabbit    | > 5000 mg/kg (Source: ECHA)                    |
| LC50 Inhalation - Rat | > 18.94 mg/l (Exposure time: 8 h Source: ECHA) |

#### Linalool (78-70-6)

|           |                       |
|-----------|-----------------------|
| LD50 oral | 2790 mg/kg bodyweight |
|-----------|-----------------------|

#### Cyclamal (103-95-7)

|                 |                                 |
|-----------------|---------------------------------|
| LD50 oral rat   | 3810 mg/kg (Source: NLM_CIP)    |
| LD50 oral       | 3810 mg/kg bodyweight           |
| LD50 dermal rat | > 5000 mg/kg (Source: ECHA_API) |

#### Helional (1205-17-0)

|                    |                                 |
|--------------------|---------------------------------|
| LD50 dermal rabbit | > 2000 mg/kg (Source: ECHA_API) |
|--------------------|---------------------------------|

#### Dihydromyrcenol (18479-58-8)

|                    |                              |
|--------------------|------------------------------|
| LD50 oral rat      | 3600 mg/kg (Source: NLM_CIP) |
| LD50 oral          | 3020 mg/kg                   |
| LD50 dermal rabbit | > 5 g/kg (Source: CHEMVIEW)  |

#### (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)

|                    |                               |
|--------------------|-------------------------------|
| LD50 oral rat      | 4400 mg/kg (Source: CHEMVIEW) |
| LD50 dermal rabbit | > 5 g/kg (Source: CHEMVIEW)   |

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|                                          |                                  |
|------------------------------------------|----------------------------------|
| <b>Hexyl salicylate (6259-76-3)</b>      |                                  |
| LD50 oral rat                            | > 5 g/kg (Source: NLM_CIP)       |
| LD50 dermal rabbit                       | > 5000 mg/kg (Source: ECHA_API)  |
| <b>Clary sage oil (8016-63-5)</b>        |                                  |
| LD50 oral rat                            | 5600 mg/kg (Source: NLM_CIP)     |
| <b>Verdox (88-41-5)</b>                  |                                  |
| LD50 oral rat                            | 4600 mg/kg (Source: NLM_CIP)     |
| LD50 oral                                | 4600 mg/kg bodyweight            |
| <b>benzyl alcohol (100-51-6)</b>         |                                  |
| LD50 oral rat                            | 1230 mg/kg (Source: NLM_CIP)     |
| LD50 oral                                | 1570 mg/kg                       |
| <b>Lime oil distilled (8008-26-2)</b>    |                                  |
| LD50 oral rat                            | 5600 mg/kg                       |
| LD50 dermal rabbit                       | > 5000 mg/kg                     |
| <b>Patchouli oil (8014-09-3)</b>         |                                  |
| LD50 oral rat                            | > 5 g/kg (Source: NLM_CIP)       |
| <b>Vetiver oil (8016-96-4)</b>           |                                  |
| LD50 oral rat                            | > 5 g/kg (Source: NLM_CIP)       |
| <b>Lavandin abrialis oil (8022-15-9)</b> |                                  |
| LD50 oral rat                            | > 5 g/kg (Source: NLM_CIP)       |
| <b>COUMARIN (91-64-5)</b>                |                                  |
| LD50 oral rat                            | > 5000 mg/kg (Source: JAPAN_GHS) |
| LD50 dermal rat                          | 293 mg/kg (Source: ECHA_API)     |
| <b>Citronellol Pure (106-22-9)</b>       |                                  |
| LD50 oral rat                            | 3450 mg/kg (Source: NLM_CIP)     |
| LD50 oral                                | 3450 mg/kg bodyweight            |
| LD50 dermal rabbit                       | 2650 mg/kg (Source: EPA_HPVS)    |
| LD50 dermal                              | 2650 mg/kg bodyweight            |
| <b>Trimofix O (144020-22-4)</b>          |                                  |
| LD50 oral rat                            | > 5000 mg/kg (Source: KR_NIER)   |
| LD50 dermal rat                          | > 2000 mg/kg (Source: ECHA_API)  |
| <b>Cashmeran (33704-61-9)</b>            |                                  |
| LD50 oral                                | 2900 mg/kg bodyweight            |
| <b>Orange oil (8008-57-9)</b>            |                                  |
| LD50 oral rat                            | 4400 mg/kg (Source: NZ_CCID)     |
| LD50 dermal rabbit                       | > 5000 mg/kg (Source: CHEMVIEW)  |
| <b>Alcohol C-10 (112-30-1)</b>           |                                  |
| LD50 oral rat                            | 4720 mg/kg (Source: NZ_CCID)     |

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|                                                       |                                                                    |
|-------------------------------------------------------|--------------------------------------------------------------------|
| <b>Alcohol C-10 (112-30-1)</b>                        |                                                                    |
| LD50 dermal rabbit                                    | 3560 mg/kg (Source: NLM_CIP)                                       |
| <b>Neryl acetate (141-12-8)</b>                       |                                                                    |
| LD50 oral rat                                         | > 5 g/kg (Source: NLM_CIP)                                         |
| LD50 dermal rabbit                                    | > 6 ml/kg (Source: ECHA_API)                                       |
| <b>citral (5392-40-5)</b>                             |                                                                    |
| LD50 oral rat                                         | 4960 mg/kg (Source: NLM_CIP)                                       |
| LD50 dermal rabbit                                    | 2250 mg/kg (Source: NLM_CIP)                                       |
| <b>Aldehyde C-6 (66-25-1)</b>                         |                                                                    |
| LD50 oral rat                                         | 4890 mg/kg (Source: NLM_CIP)                                       |
| LD50 dermal rabbit                                    | > 8100 mg/kg (Source: ECHA_API)                                    |
| <b>Geranyl acetate (105-87-3)</b>                     |                                                                    |
| LD50 oral rat                                         | 6330 mg/kg (Source: NLM_CIP)                                       |
| <b>.alpha.-Pinene (80-56-8)</b>                       |                                                                    |
| LD50 oral rat                                         | 3700 mg/kg (Source: NLM_CIP)                                       |
| LD50 oral                                             | 500 mg/kg bodyweight                                               |
| LD50 dermal rat                                       | > 5000 mg/kg (Source: CHEMVIEW)                                    |
| <b>dipentene; limonene (138-86-3)</b>                 |                                                                    |
| LD50 oral rat                                         | 5300 mg/kg (Source: NLM_CIP)                                       |
| Skin corrosion/irritation                             | : Causes skin irritation.                                          |
| Serious eye damage/irritation                         | : Causes serious eye irritation.                                   |
| Respiratory or skin sensitisation                     | : May cause an allergic skin reaction.                             |
| Germ cell mutagenicity                                | : Not classified                                                   |
| Carcinogenicity                                       | : Not classified                                                   |
| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b> |                                                                    |
| IARC group                                            | 3 - Not classifiable                                               |
| <b>COUMARIN (91-64-5)</b>                             |                                                                    |
| IARC group                                            | 3 - Not classifiable                                               |
| Reproductive toxicity                                 | : Not classified                                                   |
| STOT-single exposure                                  | : Not classified                                                   |
| STOT-repeated exposure                                | : Not classified                                                   |
| <b>Cashmeran (33704-61-9)</b>                         |                                                                    |
| STOT-repeated exposure                                | May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard                                     | : Not classified                                                   |
| <b>Orange oil (8008-57-9)</b>                         |                                                                    |
| Hydrocarbon                                           | Yes                                                                |

### 11.2. Information on other hazards

No additional information available

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

##### Linalyl acetate (115-95-7)

|                 |                                                                                      |
|-----------------|--------------------------------------------------------------------------------------|
| LC50 - Fish [1] | 11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA) |
|-----------------|--------------------------------------------------------------------------------------|

##### Linalool (78-70-6)

|                      |                                              |
|----------------------|----------------------------------------------|
| EC50 96h - Algae [1] | 88.3 mg/l (Species: Desmodesmus subspicatus) |
|----------------------|----------------------------------------------|

##### (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)

|                 |                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------|
| LC50 - Fish [1] | 0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |
|-----------------|----------------------------------------------------------------------------------------------------|

|                 |                                                                          |
|-----------------|--------------------------------------------------------------------------|
| LC50 - Fish [2] | 35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA) |
|-----------------|--------------------------------------------------------------------------|

##### benzyl alcohol (100-51-6)

|                 |                                                                                    |
|-----------------|------------------------------------------------------------------------------------|
| LC50 - Fish [1] | 460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA) |
|-----------------|------------------------------------------------------------------------------------|

|                 |                                                                                   |
|-----------------|-----------------------------------------------------------------------------------|
| LC50 - Fish [2] | 10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA) |
|-----------------|-----------------------------------------------------------------------------------|

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| EC50 - Crustacea [1] | 23 mg/l (Exposure time: 48 h - Species: water flea) |
|----------------------|-----------------------------------------------------|

##### Trimoxif O (144020-22-4)

|                 |                                                                                      |
|-----------------|--------------------------------------------------------------------------------------|
| LC50 - Fish [1] | 0.63 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: ECHA) |
|-----------------|--------------------------------------------------------------------------------------|

##### Cashmeran (33704-61-9)

|                 |                                                                                   |
|-----------------|-----------------------------------------------------------------------------------|
| LC50 - Fish [1] | 10.3 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA) |
|-----------------|-----------------------------------------------------------------------------------|

##### Alcohol C-10 (112-30-1)

|                 |                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------|
| LC50 - Fish [1] | 2.2 – 2.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |
|-----------------|------------------------------------------------------------------------------------------------|

|                 |                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------|
| LC50 - Fish [2] | 4.12 – 6.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA) |
|-----------------|-------------------------------------------------------------------------------------------|

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| EC50 - Crustacea [1] | 3 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
|----------------------|-------------------------------------------------------|

##### citral (5392-40-5)

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| EC50 - Crustacea [1] | 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
|----------------------|-------------------------------------------------------|

|                      |                                            |
|----------------------|--------------------------------------------|
| EC50 72h - Algae [1] | 16 mg/l (Species: Desmodesmus subspicatus) |
|----------------------|--------------------------------------------|

|                      |                                            |
|----------------------|--------------------------------------------|
| EC50 96h - Algae [1] | 19 mg/l (Species: Desmodesmus subspicatus) |
|----------------------|--------------------------------------------|

##### Aldehyde C-6 (66-25-1)

|                 |                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------|
| LC50 - Fish [1] | 12 – 16.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |
|-----------------|------------------------------------------------------------------------------------------------|

##### .alpha.-Pinene (80-56-8)

|                 |                                                                                        |
|-----------------|----------------------------------------------------------------------------------------|
| LC50 - Fish [1] | 0.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID) |
|-----------------|----------------------------------------------------------------------------------------|

|                      |                                                        |
|----------------------|--------------------------------------------------------|
| EC50 - Crustacea [1] | 41 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
|----------------------|--------------------------------------------------------|

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### 12.2. Persistence and degradability

| SAUVAGE #EU55038F                                                                     |                    |
|---------------------------------------------------------------------------------------|--------------------|
| Persistence and degradability                                                         | Rapidly degradable |
| 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2) |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| Hexyl cinnamic aldehyde (101-86-0)                                                    |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| Ethylene brassylate (105-95-3)                                                        |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| Linalyl acetate (115-95-7)                                                            |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| Linalool (78-70-6)                                                                    |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| Cyclamal (103-95-7)                                                                   |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| Helional (1205-17-0)                                                                  |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| Dihydromyrcenol (18479-58-8)                                                          |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)                                        |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| Hexyl salicylate (6259-76-3)                                                          |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| Clary sage oil (8016-63-5)                                                            |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| Verdox (88-41-5)                                                                      |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| 4-cyclohexyl-2-methyl-2-butanol (83926-73-2)                                          |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| benzyl alcohol (100-51-6)                                                             |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| Lime oil distilled (8008-26-2)                                                        |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| Patchouli oil (8014-09-3)                                                             |                    |
| Persistence and degradability                                                         | Rapidly degradable |
| Vetiver oil (8016-96-4)                                                               |                    |
| Persistence and degradability                                                         | Rapidly degradable |

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|                                                 |                             |
|-------------------------------------------------|-----------------------------|
| <b>Lavandin abrialis oil (8022-15-9)</b>        |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>COUMARIN (91-64-5)</b>                       |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>Citronellol Pure (106-22-9)</b>              |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>Trimofix O (144020-22-4)</b>                 |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>Cashmeran (33704-61-9)</b>                   |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>Orange oil (8008-57-9)</b>                   |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>Alcohol C-10 (112-30-1)</b>                  |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>isopentyl acetate (123-92-2)</b>             |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>Neryl acetate (141-12-8)</b>                 |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>citral (5392-40-5)</b>                       |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>Aldehyde C-6 (66-25-1)</b>                   |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>Geranyl acetate (105-87-3)</b>               |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>Floralozone (67634-15-5)</b>                 |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>.alpha.-Pinene (80-56-8)</b>                 |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>dipentene; limonene (138-86-3)</b>           |                             |
| Persistence and degradability                   | Rapidly degradable          |
| <b>12.3. Bioaccumulative potential</b>          |                             |
| <b>Ethylene brassylate (105-95-3)</b>           |                             |
| Partition coefficient n-octanol/water (Log Pow) | 4.3 (at 25 °C (at pH 6.4-7) |
| <b>Linalyl acetate (115-95-7)</b>               |                             |
| Partition coefficient n-octanol/water (Log Pow) | 3.9 (at 25 °C)              |

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|                                                       |                                       |
|-------------------------------------------------------|---------------------------------------|
| <b>Cyclamal (103-95-7)</b>                            |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 3.4 (at 35 °C)                        |
| <b>Helional (1205-17-0)</b>                           |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 2.4 (at 25 °C)                        |
| <b>Dihydromyrcenol (18479-58-8)</b>                   |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 3.25 (at 40 °C (at pH 7)              |
| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b> |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 4.38 (at 37 °C (at pH 7.2)            |
| <b>Hexyl salicylate (6259-76-3)</b>                   |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 5.5 (at 30 °C (at pH 7)               |
| <b>benzyl alcohol (100-51-6)</b>                      |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 1.05                                  |
| <b>Citronellol Pure (106-22-9)</b>                    |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 3.41 (at 25 °C)                       |
| <b>Trimofix O (144020-22-4)</b>                       |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 5.3 – 5.8 (at 25 °C (at pH >=7-<=7.3) |
| <b>Cashmeran (33704-61-9)</b>                         |                                       |
| BCF - Fish [1]                                        | (81 dimensionless (whole body w.w.)   |
| Partition coefficient n-octanol/water (Log Pow)       | 4.2 (at 20 °C)                        |
| <b>Alcohol C-10 (112-30-1)</b>                        |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 4.5 (at 25 °C (at pH 6)               |
| <b>isopentyl acetate (123-92-2)</b>                   |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 2.7 (at 35 °C)                        |
| <b>Neryl acetate (141-12-8)</b>                       |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 3.98 (at 37 °C (at pH 7.2)            |
| <b>citral (5392-40-5)</b>                             |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 2.76 (at 25 °C)                       |
| <b>Aldehyde C-6 (66-25-1)</b>                         |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 2.3 (at 25 °C (at pH 5)               |
| <b>Geranyl acetate (105-87-3)</b>                     |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 4.04                                  |
| <b>.alpha.-Pinene (80-56-8)</b>                       |                                       |
| Partition coefficient n-octanol/water (Log Pow)       | 4.1                                   |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

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12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                                                                                                                                                                                                                                                                                                                  |
| HP Code                 | : HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.<br>HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.<br>HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment |

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                                                                    | IMDG                                                                                                | IATA                                                                                | ADN                                                                                  | RID                                                                                   |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 14.1. UN number or ID number                                                           |                                                                                                     |                                                                                     |                                                                                      |                                                                                       |
| UN 3082                                                                                | UN 3082                                                                                             | UN 3082                                                                             | UN 3082                                                                              | UN 3082                                                                               |
| 14.2. UN proper shipping name                                                          |                                                                                                     |                                                                                     |                                                                                      |                                                                                       |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Iso E Super)                      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Iso E Super)                                   | Environmentally hazardous substance, liquid, n.o.s. (Iso E Super)                   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Iso E Super)                    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Iso E Super)                     |
| Transport document description                                                         |                                                                                                     |                                                                                     |                                                                                      |                                                                                       |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Iso E Super), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Iso E Super), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Iso E Super), 9, III   | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Iso E Super), 9, III    | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Iso E Super), 9, III     |
| 14.3. Transport hazard class(es)                                                       |                                                                                                     |                                                                                     |                                                                                      |                                                                                       |
| 9                                                                                      | 9                                                                                                   | 9                                                                                   | 9                                                                                    | 9                                                                                     |
|     |                  |  |  |  |
| 14.4. Packing group                                                                    |                                                                                                     |                                                                                     |                                                                                      |                                                                                       |
| III                                                                                    | III                                                                                                 | III                                                                                 | III                                                                                  | III                                                                                   |
| 14.5. Environmental hazards                                                            |                                                                                                     |                                                                                     |                                                                                      |                                                                                       |
| Dangerous for the environment: Yes                                                     | Dangerous for the environment: Yes<br>Marine pollutant: Yes                                         | Dangerous for the environment: Yes                                                  | Dangerous for the environment: Yes                                                   | Dangerous for the environment: Yes                                                    |
| No supplementary information available                                                 |                                                                                                     |                                                                                     |                                                                                      |                                                                                       |

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### 14.6. Special precautions for user

#### Overland transport

|                                                                         |                                                                                     |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Classification code (ADR)                                               | : M6                                                                                |
| Special provisions (ADR)                                                | : 274, 335, 375, 601                                                                |
| Limited quantities (ADR)                                                | : 5I                                                                                |
| Excepted quantities (ADR)                                               | : E1                                                                                |
| Packing instructions (ADR)                                              | : P001, IBC03, LP01, R001                                                           |
| Special packing provisions (ADR)                                        | : PP1                                                                               |
| Mixed packing provisions (ADR)                                          | : MP19                                                                              |
| Portable tank and bulk container instructions (ADR)                     | : T4                                                                                |
| Portable tank and bulk container special provisions (ADR)               | : TP1, TP29                                                                         |
| Tank code (ADR)                                                         | : LGBV                                                                              |
| Vehicle for tank carriage                                               | : AT                                                                                |
| Transport category (ADR)                                                | : 3                                                                                 |
| Special provisions for carriage - Packages (ADR)                        | : V12                                                                               |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13                                                                              |
| Hazard identification number (Kemler No.)                               | : 90                                                                                |
| Orange plates                                                           | :  |

|                               |       |
|-------------------------------|-------|
| Tunnel restriction code (ADR) | : -   |
| EAC code                      | : •3Z |

#### Transport by sea

|                                   |                 |
|-----------------------------------|-----------------|
| Special provisions (IMDG)         | : 274, 335, 969 |
| Limited quantities (IMDG)         | : 5 L           |
| Excepted quantities (IMDG)        | : E1            |
| Packing instructions (IMDG)       | : LP01, P001    |
| Special packing provisions (IMDG) | : PP1           |
| IBC packing instructions (IMDG)   | : IBC03         |
| Tank instructions (IMDG)          | : T4            |
| Tank special provisions (IMDG)    | : TP1, TP29     |
| EmS-No. (Fire)                    | : F-A           |
| EmS-No. (Spillage)                | : S-F           |
| Stowage category (IMDG)           | : A             |

#### Air transport

|                                              |                         |
|----------------------------------------------|-------------------------|
| PCA Excepted quantities (IATA)               | : E1                    |
| PCA Limited quantities (IATA)                | : Y964                  |
| PCA limited quantity max net quantity (IATA) | : 30kgG                 |
| PCA packing instructions (IATA)              | : 964                   |
| PCA max net quantity (IATA)                  | : 450L                  |
| CAO packing instructions (IATA)              | : 964                   |
| CAO max net quantity (IATA)                  | : 450L                  |
| Special provisions (IATA)                    | : A97, A158, A197, A215 |
| ERG code (IATA)                              | : 9L                    |

#### Inland waterway transport

|                                   |                      |
|-----------------------------------|----------------------|
| Classification code (ADN)         | : M6                 |
| Special provisions (ADN)          | : 274, 335, 375, 601 |
| Limited quantities (ADN)          | : 5 L                |
| Excepted quantities (ADN)         | : E1                 |
| Carriage permitted (ADN)          | : T                  |
| Equipment required (ADN)          | : PP                 |
| Number of blue cones/lights (ADN) | : 0                  |

#### Rail transport

|                           |      |
|---------------------------|------|
| Classification code (RID) | : M6 |
|---------------------------|------|

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|                                                                         |                           |
|-------------------------------------------------------------------------|---------------------------|
| Special provisions (RID)                                                | : 274, 335, 375, 601      |
| Limited quantities (RID)                                                | : 5L                      |
| Excepted quantities (RID)                                               | : E1                      |
| Packing instructions (RID)                                              | : P001, IBC03, LP01, R001 |
| Special packing provisions (RID)                                        | : PP1                     |
| Mixed packing provisions (RID)                                          | : MP19                    |
| Portable tank and bulk container instructions (RID)                     | : T4                      |
| Portable tank and bulk container special provisions (RID)               | : TP1, TP29               |
| Tank codes for RID tanks (RID)                                          | : LGBV                    |
| Transport category (RID)                                                | : 3                       |
| Special provisions for carriage – Packages (RID)                        | : W12                     |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW31              |
| Colis express (express parcels) (RID)                                   | : CE8                     |
| Hazard identification number (RID)                                      | : 90                      |

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference code                         | Applicable on                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Entry title or description                                                                                                                                                                                                                                                                                        |
| 3(a)                                   | (R)-p-mentha-1,8-diene; d-limonene; Orange oil; Lime oil distilled; dipentene; limonene; isopentyl acetate; .alpha.-Pinene; Aldehyde C-6                                                                                                                                                                                                                                                                                                                                                         | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F          |
| 3(b)                                   | SAUVAGE #EU55038F; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8-tetramethyl-2-naphthalenyl)ethanone; Hexyl cinnamic aldehyde; Linalyl acetate; Linalool; 4-cyclohexyl-2-methyl-2-butanol; Clary sage oil; Dihydromyrcenol; (R)-p-mentha-1,8-diene; d-limonene; Cyclamal; Helional; Hexyl salicylate; Cashmeran; Vetiver oil; Trimofix O; Citronellol Pure; Lavandin abrialis oil; benzyl alcohol; Orange oil; Lime oil distilled; dipentene; limonene; Geranyl acetate; Neryl acetate; Floralozone; citral | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |

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| EU restriction list (REACH Annex XVII) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference code                         | Applicable on                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Entry title or description                                                                                                                                                                                                                                                                                                                                                                         |
| 3(c)                                   | SAUVAGE #EU55038F ;<br>1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone ;<br>Ethylene brassylate ;<br>Hexyl cinnamic aldehyde ;<br>4-cyclohexyl-2-methyl-2-butanol ; Clary sage oil ;<br>(R)-p-mentha-1,8-diene;<br>d-limonene ; Verdox ;<br>Cyclamal ; Helional ;<br>Hexyl salicylate ;<br>Cashmeran ; Vetiver oil ;<br>Trimofix O ; Lavandin<br>abrialis oil ; Orange oil ;<br>Lime oil distilled ;<br>dipentene; limonene ;<br>Geranyl acetate ;<br>Floralozone ; Alcohol C-10 | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1                                                                                                                                                                                                                          |
| 40.                                    | (R)-p-mentha-1,8-diene;<br>d-limonene ; Orange oil ;<br>Lime oil distilled ;<br>dipentene; limonene ;<br>isopentyl acetate ; .alpha.-Pinene ; Aldehyde C-6                                                                                                                                                                                                                                                                                                                                                | Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. |

### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

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### 15.1.2. National regulations

#### France

| Occupational diseases |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Code                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RG 84                 | Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide |

#### Germany

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

ABM category : A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment  
SZW-lijst van kankerverwekkende stoffen : Orange oil ,Floralozone are listed  
SZW-lijst van mutagene stoffen : Orange oil ,Floralozone are listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

#### Denmark

Class for fire hazard : Class III-1  
Store unit : 50 liter  
Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed  
Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Full text of H- and EUH-statements: |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| Acute Tox. 3 (Dermal)               | Acute toxicity (dermal), Category 3                               |
| Acute Tox. 3 (Inhalation)           | Acute toxicity (inhal.), Category 3                               |
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral), Category 3                                 |
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhal.), Category 4                               |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                     |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |

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| Full text of H- and EUH-statements: |                                                                    |
|-------------------------------------|--------------------------------------------------------------------|
| Flam. Liq. 3                        | Flammable liquids, Category 3                                      |
| H226                                | Flammable liquid and vapour.                                       |
| H301                                | Toxic if swallowed.                                                |
| H302                                | Harmful if swallowed.                                              |
| H304                                | May be fatal if swallowed and enters airways.                      |
| H311                                | Toxic in contact with skin.                                        |
| H315                                | Causes skin irritation.                                            |
| H317                                | May cause an allergic skin reaction.                               |
| H318                                | Causes serious eye damage.                                         |
| H319                                | Causes serious eye irritation.                                     |
| H331                                | Toxic if inhaled.                                                  |
| H332                                | Harmful if inhaled.                                                |
| H360FD                              | May damage fertility. May damage the unborn child.                 |
| H361                                | Suspected of damaging fertility or the unborn child.               |
| H373                                | May cause damage to organs through prolonged or repeated exposure. |
| H400                                | Very toxic to aquatic life.                                        |
| H410                                | Very toxic to aquatic life with long lasting effects.              |
| H411                                | Toxic to aquatic life with long lasting effects.                   |
| H412                                | Harmful to aquatic life with long lasting effects.                 |
| Repr. 1A                            | Reproductive toxicity, Category 1A                                 |
| Repr. 2                             | Reproductive toxicity, Category 2                                  |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                              |
| Skin Sens. 1                        | Skin sensitisation, Category 1                                     |
| Skin Sens. 1B                       | Skin sensitisation, category 1B                                    |
| STOT RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2     |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.