

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

#### 1.1. Product identifier

|                 |                        |
|-----------------|------------------------|
| Product form    | : Mixture              |
| Trade name      | : PINK SANDS #EU28382F |
| UFI             | : JRKH-A2RD-Q009-6010  |
| Product code    | : EU28382F             |
| 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 sensitisation, Category 1                                    | H317 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 3 | H412 |
| Full text of H- and EUH-statements: see section 16                |      |

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

Toxic to aquatic life with long lasting effects. Harmful 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)



GHS07

Signal word (CLP)

: Warning

Contains

: Grapefruit oil; Linalool; Melonal; Geraniol; Nerol; Anisic alcohol; Anisyl acetate; Cyclamal;  
Aldehyde C-16

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|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard statements (CLP)        | : H317 - May cause an allergic skin reaction.<br>H412 - Harmful to aquatic life with long lasting effects.                                                                                                                                                                                                                                                                                                                                 |
| Precautionary statements (CLP) | : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<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.<br>P321 - Specific treatment (see supplemental first aid instruction on this label). |
| Extra phrases                  | : For professional users only.                                                                                                                                                                                                                                                                                                                                                                                                             |

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  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 is 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]                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------|
| Dimyrcetol                                                                                                                                                                                          | CAS-No.: 25279-09-8<br>EC-No.: 246-788-1                                                           | 3.075 – 6.15 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                                                                       |
| Grapefruit oil                                                                                                                                                                                      | CAS-No.: 8016-20-4<br>EC-No.: 600-007-4                                                            | 1.85 – 3.7   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |
| Resin acids and Rosin acids, hydrogenated, methyl esters                                                                                                                                            | CAS-No.: 8050-15-5<br>EC-No.: 232-476-2                                                            | 1.75 – 3.5   | Aquatic Chronic 3, H412                                                                                         |
| hexan-1-ol<br>substance with national workplace exposure limit(s)<br>(DE, RO, SI)                                                                                                                   | CAS-No.: 111-27-3<br>EC-No.: 203-852-3<br>EC Index-No.: 603-059-00-6<br>REACH-no: 01-2119487967-12 | 0.45 – 0.9   | Flam. Liq. 3, H226<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Eye Irrit. 2, H319            |
| 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  | 0.45 – 0.9   | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317                                                |
| isobutyl acetate<br>substance with national workplace exposure limit(s)<br>(AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH) | CAS-No.: 110-19-0<br>EC-No.: 203-745-1<br>EC Index-No.: 607-026-00-7                               | 0.425 – 0.85 | Flam. Liq. 2, H225<br>STOT SE 3, H336                                                                           |
| Melonal                                                                                                                                                                                             | CAS-No.: 106-72-9<br>EC-No.: 203-427-2                                                             | 0.3 – 0.6    | Skin Sens. 1B, H317                                                                                             |

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| Name                                                                                                                                                                                                                                                  | Product identifier                                                                                 | %            | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Anisic alcohol                                                                                                                                                                                                                                        | CAS-No.: 105-13-5<br>EC-No.: 203-273-6<br>REACH-no: 01-2119934494-33                               | 0.25 – 0.5   | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317                                                                          |
|                                                                                                                                                                                                                                                       | CAS-No.: 104-21-2<br>EC-No.: 203-185-8                                                             | 0.225 – 0.45 | Skin Sens. 1, H317                                                                                                                              |
| Geraniol                                                                                                                                                                                                                                              | CAS-No.: 106-24-1<br>EC-No.: 203-377-1<br>EC Index-No.: 603-241-00-5<br>REACH-no: 01-2119552430-49 | 0.165 – 0.33 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317                                                                                   |
| 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, 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 | 0.15 – 0.3   | Flam. Liq. 3, H226                                                                                                                              |
| Cyclamal                                                                                                                                                                                                                                              | CAS-No.: 103-95-7<br>EC-No.: 203-161-7<br>REACH-no: 01-2119970582-32                               | 0.15 – 0.3   | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Chronic 2, H411                                                                           |
| Nerol                                                                                                                                                                                                                                                 | CAS-No.: 106-25-2<br>EC-No.: 203-378-7                                                             | 0.11 – 0.22  | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317                                                                                 |
| Allyl heptanoate                                                                                                                                                                                                                                      | CAS-No.: 142-19-8<br>EC-No.: 205-527-1<br>REACH-no: 01-2119488961-23                               | 0.1 – 0.2    | Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412 |
| Allyl caproate                                                                                                                                                                                                                                        | CAS-No.: 123-68-2<br>EC-No.: 204-642-4<br>REACH-no: 01-2119983573-26                               | 0.075 – 0.15 | Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412 |
| Aldehyde C-16                                                                                                                                                                                                                                         | CAS-No.: 77-83-8<br>EC-No.: 201-061-8<br>REACH-no: 01-2119967770-28                                | 0.05 – 0.1   | Skin Sens. 1B, H317<br>Aquatic Chronic 2, H411                                                                                                  |

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 eyes with water as a precaution.                                                                                           |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.                                                                             |

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

Symptoms/effects after skin contact : May cause an allergic skin reaction.

### 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.

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

### 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.

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Packaging materials : Do not store in corrodable metal.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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

| hexan-1-ol (111-27-3)                             |                                                                                                                                              |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Germany - Occupational Exposure Limits (TRGS 900) |                                                                                                                                              |
| AGW (OEL TWA) [1]                                 | 105 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed (long-chain Alcohols)) |
| AGW (OEL TWA) [2]                                 | 25 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed (long-chain Alcohols))                |
| Romania - Occupational Exposure Limits            |                                                                                                                                              |
| OEL TWA                                           | 150 mg/m <sup>3</sup>                                                                                                                        |
| OEL TWA                                           | 36 ppm                                                                                                                                       |
| OEL STEL                                          | 250 mg/m <sup>3</sup>                                                                                                                        |
| OEL STEL                                          | 60 ppm                                                                                                                                       |
| Slovenia - Occupational Exposure Limits           |                                                                                                                                              |
| OEL TWA                                           | 210 mg/m <sup>3</sup>                                                                                                                        |
| OEL TWA                                           | 50 ppm                                                                                                                                       |
| OEL STEL                                          | 210 mg/m <sup>3</sup>                                                                                                                        |
| OEL STEL                                          | 50 ppm                                                                                                                                       |
| isobutyl acetate (110-19-0)                       |                                                                                                                                              |
| Austria - Occupational Exposure Limits            |                                                                                                                                              |
| MAK (OEL TWA)                                     | 241 mg/m <sup>3</sup> (Butyl acetates)                                                                                                       |
| MAK (OEL TWA) [ppm]                               | 50 ppm (Butyl acetates)                                                                                                                      |
| MAK (OEL STEL)                                    | 480 mg/m <sup>3</sup> (Butyl acetate)                                                                                                        |
| MAK (OEL STEL) [ppm]                              | 100 ppm (Butyl acetate)                                                                                                                      |
| Belgium - Occupational Exposure Limits            |                                                                                                                                              |
| OEL TWA                                           | 238 mg/m <sup>3</sup>                                                                                                                        |
| OEL TWA                                           | 50 ppm                                                                                                                                       |
| OEL STEL                                          | 712 mg/m <sup>3</sup>                                                                                                                        |
| OEL STEL                                          | 150 ppm                                                                                                                                      |
| Bulgaria - Occupational Exposure Limits           |                                                                                                                                              |
| OEL TWA                                           | 241 mg/m <sup>3</sup>                                                                                                                        |
| OEL TWA                                           | 50 ppm                                                                                                                                       |
| OEL STEL                                          | 723 mg/m <sup>3</sup>                                                                                                                        |
| OEL STEL                                          | 150 ppm                                                                                                                                      |

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| isobutyl acetate (110-19-0)                       |                                                                                                                        |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Croatia - Occupational Exposure Limits            |                                                                                                                        |
| GVI (OEL TWA) [1]                                 | 241 mg/m <sup>3</sup>                                                                                                  |
| GVI (OEL TWA) [2]                                 | 50 ppm                                                                                                                 |
| KGVI (OEL STEL)                                   | 723 mg/m <sup>3</sup>                                                                                                  |
| KGVI (OEL STEL) [ppm]                             | 150 ppm                                                                                                                |
| Cyprus - Occupational Exposure Limits             |                                                                                                                        |
| OEL TWA                                           | 241 mg/m <sup>3</sup>                                                                                                  |
| OEL TWA                                           | 50 ppm                                                                                                                 |
| OEL STEL                                          | 723 mg/m <sup>3</sup>                                                                                                  |
| OEL STEL                                          | 150 ppm                                                                                                                |
| Czech Republic - Occupational Exposure Limits     |                                                                                                                        |
| PEL (OEL TWA)                                     | 241 mg/m <sup>3</sup>                                                                                                  |
| Denmark - Occupational Exposure Limits            |                                                                                                                        |
| OEL TWA [1]                                       | 241 mg/m <sup>3</sup> (Butyl acetate, all isomers)                                                                     |
| OEL TWA [2]                                       | 50 ppm (Butyl acetate, all isomers)                                                                                    |
| OEL STEL                                          | 723 mg/m <sup>3</sup>                                                                                                  |
| OEL STEL                                          | 150 ppm                                                                                                                |
| Estonia - Occupational Exposure Limits            |                                                                                                                        |
| OEL TWA                                           | 241 mg/m <sup>3</sup>                                                                                                  |
| OEL TWA                                           | 50 ppm                                                                                                                 |
| OEL STEL                                          | 723 mg/m <sup>3</sup>                                                                                                  |
| OEL STEL                                          | 150 ppm                                                                                                                |
| Finland - Occupational Exposure Limits            |                                                                                                                        |
| HTP (OEL TWA) [1]                                 | 240 mg/m <sup>3</sup> (Butyl acetate)                                                                                  |
| HTP (OEL TWA) [2]                                 | 50 ppm (Butyl acetate)                                                                                                 |
| HTP (OEL STEL)                                    | 725 mg/m <sup>3</sup> (Butyl acetate)                                                                                  |
| HTP (OEL STEL) [ppm]                              | 150 ppm (Butyl acetate)                                                                                                |
| France - Occupational Exposure Limits             |                                                                                                                        |
| VME (OEL TWA)                                     | 241 mg/m <sup>3</sup> (restrictive limit)                                                                              |
| VME (OEL TWA) [ppm]                               | 50 ppm (restrictive limit)                                                                                             |
| VLE (OEL C/STEL)                                  | 723 mg/m <sup>3</sup> (restrictive limit)                                                                              |
| VLE (OEL C/STEL) [ppm]                            | 150 ppm (restrictive limit)                                                                                            |
| Germany - Occupational Exposure Limits (TRGS 900) |                                                                                                                        |
| AGW (OEL TWA) [1]                                 | 300 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| AGW (OEL TWA) [2]                                 | 62 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)                |
| Greece - Occupational Exposure Limits             |                                                                                                                        |
| OEL TWA                                           | 241 mg/m <sup>3</sup>                                                                                                  |
| OEL TWA                                           | 50 ppm                                                                                                                 |

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| isobutyl acetate (110-19-0)                |                                    |
|--------------------------------------------|------------------------------------|
| OEL STEL                                   | 723 mg/m <sup>3</sup>              |
| OEL STEL                                   | 150 ppm                            |
| Hungary - Occupational Exposure Limits     |                                    |
| AK (OEL TWA)                               | 241 mg/m <sup>3</sup>              |
| CK (OEL STEL)                              | 723 mg/m <sup>3</sup>              |
| OEL chemical category                      | Sensitizer                         |
| Ireland - Occupational Exposure Limits     |                                    |
| OEL TWA [1]                                | 241 mg/m <sup>3</sup>              |
| OEL TWA [2]                                | 50 ppm                             |
| OEL STEL                                   | 723 mg/m <sup>3</sup> (calculated) |
| OEL STEL                                   | 150 ppm (calculated)               |
| Italy - Occupational Exposure Limits       |                                    |
| OEL TWA                                    | 241 mg/m <sup>3</sup>              |
| OEL TWA                                    | 50 ppm                             |
| OEL STEL                                   | 723 mg/m <sup>3</sup>              |
| OEL STEL                                   | 150 ppm                            |
| Latvia - Occupational Exposure Limits      |                                    |
| OEL TWA                                    | 241 mg/m <sup>3</sup>              |
| OEL TWA                                    | 50 ppm                             |
| Lithuania - Occupational Exposure Limits   |                                    |
| IPRV (OEL TWA)                             | 241 mg/m <sup>3</sup>              |
| IPRV (OEL TWA) [ppm]                       | 50 ppm                             |
| TPRV (OEL STEL)                            | 723 mg/m <sup>3</sup>              |
| TPRV (OEL STEL) [ppm]                      | 150 ppm                            |
| Luxembourg - Occupational Exposure Limits  |                                    |
| OEL TWA                                    | 241 mg/m <sup>3</sup>              |
| OEL TWA                                    | 50 ppm                             |
| OEL STEL                                   | 723 mg/m <sup>3</sup>              |
| OEL STEL                                   | 150 ppm                            |
| Malta - Occupational Exposure Limits       |                                    |
| OEL TWA                                    | 241 mg/m <sup>3</sup>              |
| OEL TWA                                    | 50 ppm                             |
| OEL STEL                                   | 723 mg/m <sup>3</sup>              |
| OEL STEL                                   | 150 ppm                            |
| Netherlands - Occupational Exposure Limits |                                    |
| TGG-8u (OEL TWA)                           | 241 mg/m <sup>3</sup>              |
| TGG-8u (OEL TWA) [ppm]                     | 50 ppm                             |
| TGG-15min (OEL STEL)                       | 723 mg/m <sup>3</sup>              |
| TGG-15min (OEL STEL) [ppm]                 | 150 ppm                            |

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| isobutyl acetate (110-19-0)                   |                                                |
|-----------------------------------------------|------------------------------------------------|
| Poland - Occupational Exposure Limits         |                                                |
| NDS (OEL TWA)                                 | 240 mg/m <sup>3</sup>                          |
| NDSch (OEL STEL)                              | 720 mg/m <sup>3</sup>                          |
| Portugal - Occupational Exposure Limits       |                                                |
| OEL TWA                                       | 241 mg/m <sup>3</sup> (indicative limit value) |
| OEL TWA                                       | 50 ppm (indicative limit value)                |
| OEL STEL                                      | 723 mg/m <sup>3</sup> (indicative limit value) |
| OEL STEL                                      | 150 ppm (indicative limit value)               |
| Romania - Occupational Exposure Limits        |                                                |
| OEL TWA                                       | 241 mg/m <sup>3</sup>                          |
| OEL TWA                                       | 50 ppm                                         |
| OEL STEL                                      | 723 mg/m <sup>3</sup>                          |
| OEL STEL                                      | 150 ppm                                        |
| Slovakia - Occupational Exposure Limits       |                                                |
| NPHV (OEL TWA) [1]                            | 480 mg/m <sup>3</sup>                          |
| NPHV (OEL TWA) [2]                            | 100 ppm                                        |
| NPHV (OEL C)                                  | 700 mg/m <sup>3</sup>                          |
| Slovenia - Occupational Exposure Limits       |                                                |
| OEL TWA                                       | 241 mg/m <sup>3</sup>                          |
| OEL TWA                                       | 50 ppm                                         |
| OEL STEL                                      | 723 mg/m <sup>3</sup>                          |
| OEL STEL                                      | 150 ppm                                        |
| Spain - Occupational Exposure Limits          |                                                |
| VLA-ED (OEL TWA) [1]                          | 241 mg/m <sup>3</sup>                          |
| VLA-ED (OEL TWA) [2]                          | 50 ppm                                         |
| VLA-EC (OEL STEL)                             | 723 mg/m <sup>3</sup>                          |
| VLA-EC (OEL STEL) [ppm]                       | 150 ppm                                        |
| Sweden - Occupational Exposure Limits         |                                                |
| NGV (OEL TWA)                                 | 241 mg/m <sup>3</sup> (Butyl acetates)         |
| NGV (OEL TWA) [ppm]                           | 50 ppm (Butyl acetates)                        |
| KTV (OEL STEL)                                | 723 mg/m <sup>3</sup> (Butyl acetates)         |
| KTV (OEL STEL) [ppm]                          | 150 ppm (Butyl acetates)                       |
| United Kingdom - Occupational Exposure Limits |                                                |
| WEL TWA (OEL TWA) [1]                         | 724 mg/m <sup>3</sup>                          |
| WEL TWA (OEL TWA) [2]                         | 150 ppm                                        |
| WEL STEL (OEL STEL)                           | 903 mg/m <sup>3</sup>                          |
| WEL STEL (OEL STEL) [ppm]                     | 187 ppm                                        |
| Norway - Occupational Exposure Limits         |                                                |
| Grønseverdi (OEL TWA) [1]                     | 241 mg/m <sup>3</sup>                          |



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| isobutyl acetate (110-19-0)                        |                                                      |
|----------------------------------------------------|------------------------------------------------------|
| Grenseverdi (OEL TWA) [2]                          | 50 ppm                                               |
| Korttidsverdi (OEL STEL)                           | 723 mg/m <sup>3</sup> (value from the regulation)    |
| Korttidsverdi (OEL STEL) [ppm]                     | 150 ppm (value from the regulation)                  |
| Switzerland - Occupational Exposure Limits         |                                                      |
| MAK (OEL TWA) [1]                                  | 240 mg/m <sup>3</sup>                                |
| MAK (OEL TWA) [2]                                  | 50 ppm                                               |
| KZGW (OEL STEL)                                    | 720 mg/m <sup>3</sup>                                |
| KZGW (OEL STEL) [ppm]                              | 150 ppm                                              |
| USA - ACGIH - Occupational Exposure Limits         |                                                      |
| ACGIH OEL TWA [ppm]                                | 50 ppm (Butyl acetates, all isomers)                 |
| ACGIH OEL STEL [ppm]                               | 150 ppm (Butyl acetates, all isomers)                |
| isopentyl acetate (123-92-2)                       |                                                      |
| EU - Indicative Occupational Exposure Limit (IOEL) |                                                      |
| IOEL TWA                                           | 270 mg/m <sup>3</sup>                                |
| IOEL TWA [ppm]                                     | 50 ppm                                               |
| IOEL STEL                                          | 540 mg/m <sup>3</sup>                                |
| IOEL STEL [ppm]                                    | 100 ppm                                              |
| Austria - Occupational Exposure Limits             |                                                      |
| MAK (OEL TWA)                                      | 270 mg/m <sup>3</sup> (Pentyl acetate (all isomers)) |
| MAK (OEL TWA) [ppm]                                | 50 ppm (Pentyl acetate (all isomers))                |
| MAK (OEL STEL)                                     | 540 mg/m <sup>3</sup> (Pentylacetate)                |
| MAK (OEL STEL) [ppm]                               | 100 ppm (Pentylacetate)                              |
| Belgium - Occupational Exposure Limits             |                                                      |
| OEL TWA                                            | 270 mg/m <sup>3</sup>                                |
| OEL TWA                                            | 50 ppm                                               |
| OEL STEL                                           | 540 mg/m <sup>3</sup>                                |
| OEL STEL                                           | 100 ppm                                              |
| Bulgaria - Occupational Exposure Limits            |                                                      |
| OEL TWA                                            | 270 mg/m <sup>3</sup>                                |
| OEL TWA                                            | 50 ppm                                               |
| OEL STEL                                           | 540 mg/m <sup>3</sup>                                |
| OEL STEL                                           | 100 ppm                                              |
| Croatia - Occupational Exposure Limits             |                                                      |
| GVI (OEL TWA) [1]                                  | 270 mg/m <sup>3</sup>                                |
| GVI (OEL TWA) [2]                                  | 50 ppm                                               |
| KGVI (OEL STEL)                                    | 540 mg/m <sup>3</sup>                                |
| KGVI (OEL STEL) [ppm]                              | 100 ppm                                              |
| Cyprus - Occupational Exposure Limits              |                                                      |
| OEL TWA                                            | 270 mg/m <sup>3</sup>                                |

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| isopentyl acetate (123-92-2)                      |                                                   |
|---------------------------------------------------|---------------------------------------------------|
| OEL TWA                                           | 50 ppm                                            |
| OEL STEL                                          | 540 mg/m <sup>3</sup>                             |
| OEL STEL                                          | 100 ppm                                           |
| Denmark - Occupational Exposure Limits            |                                                   |
| OEL TWA [1]                                       | 271 mg/m <sup>3</sup> (Amyl acetate, all isomers) |
| OEL TWA [2]                                       | 50 ppm (Amyl acetate, all isomers)                |
| OEL STEL                                          | 540 mg/m <sup>3</sup>                             |
| OEL STEL                                          | 100 ppm                                           |
| Estonia - Occupational Exposure Limits            |                                                   |
| OEL TWA                                           | 270 mg/m <sup>3</sup>                             |
| OEL TWA                                           | 50 ppm                                            |
| OEL STEL                                          | 540 mg/m <sup>3</sup>                             |
| OEL STEL                                          | 100 ppm                                           |
| Finland - Occupational Exposure Limits            |                                                   |
| HTP (OEL TWA) [1]                                 | 270 mg/m <sup>3</sup> (Pentyl acetate)            |
| HTP (OEL TWA) [2]                                 | 50 ppm (Pentyl acetate)                           |
| HTP (OEL STEL)                                    | 540 mg/m <sup>3</sup>                             |
| HTP (OEL STEL) [ppm]                              | 100 ppm                                           |
| France - Occupational Exposure Limits             |                                                   |
| VME (OEL TWA)                                     | 270 mg/m <sup>3</sup> (restrictive limit)         |
| VME (OEL TWA) [ppm]                               | 50 ppm (restrictive limit)                        |
| VLE (OEL C/STEL)                                  | 540 mg/m <sup>3</sup> (restrictive limit)         |
| VLE (OEL C/STEL) [ppm]                            | 100 ppm (restrictive limit)                       |
| Germany - Occupational Exposure Limits (TRGS 900) |                                                   |
| AGW (OEL TWA) [1]                                 | 270 mg/m <sup>3</sup>                             |
| AGW (OEL TWA) [2]                                 | 50 ppm                                            |
| Gibraltar - Occupational Exposure Limits          |                                                   |
| OEL TWA                                           | 270 mg/m <sup>3</sup>                             |
| OEL TWA                                           | 50 ppm                                            |
| OEL STEL                                          | 540 mg/m <sup>3</sup>                             |
| OEL STEL                                          | 100 ppm                                           |
| Greece - Occupational Exposure Limits             |                                                   |
| OEL TWA                                           | 530 mg/m <sup>3</sup>                             |
| OEL TWA                                           | 100 ppm                                           |
| OEL STEL                                          | 800 mg/m <sup>3</sup>                             |
| OEL STEL                                          | 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 [1]                                | 260 mg/m <sup>3</sup>                                         |
| OEL TWA [2]                                | 50 ppm                                                        |
| OEL STEL                                   | 520 mg/m <sup>3</sup>                                         |
| OEL STEL                                   | 100 ppm                                                       |
| Italy - Occupational Exposure Limits       |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
| OEL TWA                                    | 50 ppm                                                        |
| OEL STEL                                   | 540 mg/m <sup>3</sup>                                         |
| OEL STEL                                   | 100 ppm                                                       |
| Latvia - Occupational Exposure Limits      |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
| OEL TWA                                    | 50 ppm                                                        |
| Lithuania - Occupational Exposure Limits   |                                                               |
| IPRV (OEL TWA)                             | 270 mg/m <sup>3</sup>                                         |
| IPRV (OEL TWA) [ppm]                       | 50 ppm                                                        |
| TPRV (OEL STEL)                            | 540 mg/m <sup>3</sup>                                         |
| TPRV (OEL STEL) [ppm]                      | 100 ppm                                                       |
| Luxembourg - Occupational Exposure Limits  |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
| OEL TWA                                    | 50 ppm                                                        |
| OEL STEL                                   | 540 mg/m <sup>3</sup>                                         |
| OEL STEL                                   | 100 ppm                                                       |
| Malta - Occupational Exposure Limits       |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
| OEL TWA                                    | 50 ppm                                                        |
| OEL STEL                                   | 540 mg/m <sup>3</sup>                                         |
| OEL STEL                                   | 100 ppm                                                       |
| Netherlands - Occupational Exposure Limits |                                                               |
| TGG-15min (OEL STEL)                       | 530 mg/m <sup>3</sup>                                         |
| TGG-15min (OEL STEL) [ppm]                 | 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)                |
| OEL TWA                                    | 50 ppm (indicative limit value (Pentyl acetate, all isomers)) |
| OEL STEL                                   | 540 mg/m <sup>3</sup> (indicative limit value)                |
| OEL STEL                                   | 100 ppm (indicative limit value)                              |

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| isopentyl acetate (123-92-2)                      |                                                |
|---------------------------------------------------|------------------------------------------------|
| <b>Romania - Occupational Exposure Limits</b>     |                                                |
| OEL TWA                                           | 270 mg/m <sup>3</sup>                          |
| OEL TWA                                           | 50 ppm                                         |
| OEL STEL                                          | 540 mg/m <sup>3</sup>                          |
| OEL STEL                                          | 100 ppm                                        |
| <b>Slovakia - Occupational Exposure Limits</b>    |                                                |
| NPHV (OEL TWA) [1]                                | 270 mg/m <sup>3</sup>                          |
| NPHV (OEL TWA) [2]                                | 50 ppm                                         |
| NPHV (OEL C)                                      | 540 mg/m <sup>3</sup>                          |
| <b>Slovenia - Occupational Exposure Limits</b>    |                                                |
| OEL TWA                                           | 270 mg/m <sup>3</sup>                          |
| OEL TWA                                           | 50 ppm                                         |
| OEL STEL                                          | 540 mg/m <sup>3</sup>                          |
| OEL STEL                                          | 100 ppm                                        |
| <b>Spain - Occupational Exposure Limits</b>       |                                                |
| VLA-ED (OEL TWA) [1]                              | 270 mg/m <sup>3</sup> (indicative limit value) |
| VLA-ED (OEL TWA) [2]                              | 50 ppm (indicative limit value)                |
| VLA-EC (OEL STEL)                                 | 540 mg/m <sup>3</sup>                          |
| VLA-EC (OEL STEL) [ppm]                           | 100 ppm                                        |
| <b>Sweden - Occupational Exposure Limits</b>      |                                                |
| NGV (OEL TWA)                                     | 270 mg/m <sup>3</sup> (Pentyl acetates)        |
| NGV (OEL TWA) [ppm]                               | 50 ppm (Pentyl acetates)                       |
| KTV (OEL STEL)                                    | 540 mg/m <sup>3</sup> (Pentyl acetates)        |
| KTV (OEL STEL) [ppm]                              | 100 ppm (Pentyl acetates)                      |
| <b>Norway - Occupational Exposure Limits</b>      |                                                |
| Grenseverdi (OEL TWA) [1]                         | 260 mg/m <sup>3</sup>                          |
| Grenseverdi (OEL TWA) [2]                         | 50 ppm                                         |
| Korttidsverdi (OEL STEL)                          | 325 mg/m <sup>3</sup> (value calculated)       |
| Korttidsverdi (OEL STEL) [ppm]                    | 75 ppm (value calculated)                      |
| <b>USA - ACGIH - Occupational Exposure Limits</b> |                                                |
| ACGIH OEL TWA [ppm]                               | 50 ppm (Pentyl acetate, all isomers)           |
| ACGIH OEL STEL [ppm]                              | 100 ppm (Pentyl acetate, all isomers)          |

### 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

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### 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

##### 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. characteristic.            |
| Odour threshold                                 | : Not available                              |
| Melting point                                   | : Not applicable                             |
| Freezing point                                  | : Not available                              |
| Boiling point                                   | : Not available                              |
| Flammability                                    | : Not applicable                             |
| Explosive limits                                | : Not available                              |
| Lower explosion limit                           | : Not available                              |
| Upper explosion limit                           | : Not available                              |
| Flash point                                     | : 64.9 °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                                | : ≈ 0.91                                     |

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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.

### 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

| Dimyrcetol (25279-09-8)                                              |                                       |
|----------------------------------------------------------------------|---------------------------------------|
| LD50 oral                                                            | 2500 mg/kg bodyweight                 |
| Grapefruit oil (8016-20-4)                                           |                                       |
| LD50 oral rat                                                        | > 5 g/kg (Source: NLM_CIP)            |
| Resin acids and Rosin acids, hydrogenated, methyl esters (8050-15-5) |                                       |
| LD50 oral rat                                                        | > 2000 mg/kg (Source: CHEMVIEW)       |
| LD50 dermal rabbit                                                   | > 10000 mg/kg (Source: ECHA_API)      |
| hexan-1-ol (111-27-3)                                                |                                       |
| LD50 oral rat                                                        | 3210 mg/kg (Source: OECD_SIDS)        |
| LD50 oral                                                            | 500 mg/kg bodyweight                  |
| LD50 dermal rabbit                                                   | 1500 – 2000 mg/kg (Source: OECD_SIDS) |
| LD50 dermal                                                          | 1750 mg/kg bodyweight                 |

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|                                    |                                                  |
|------------------------------------|--------------------------------------------------|
| <b>hexan-1-ol (111-27-3)</b>       |                                                  |
| LC50 Inhalation - Rat              | > 21 mg/l (Exposure time: 1 h Source: OECD_SIDS) |
| <b>Linalool (78-70-6)</b>          |                                                  |
| LD50 oral                          | 2790 mg/kg bodyweight                            |
| <b>isobutyl acetate (110-19-0)</b> |                                                  |
| LD50 oral rat                      | 15400 mg/kg (Source: JAPAN_GHS)                  |
| LD50 dermal rabbit                 | > 17400 mg/kg (Source: NLM_CIP)                  |
| <b>Melonol (106-72-9)</b>          |                                                  |
| LD50 oral rat                      | > 5 g/kg (Source: NLM_CIP)                       |
| <b>Geraniol (106-24-1)</b>         |                                                  |
| LD50 oral rat                      | 3600 mg/kg (Source: NLM_CIP)                     |
| LD50 oral                          | 3600 mg/kg bodyweight                            |
| LD50 dermal rabbit                 | > 5 g/kg (Source: NLM_CIP)                       |
| <b>Nerol (106-25-2)</b>            |                                                  |
| LD50 oral rat                      | 4500 mg/kg (Source: NLM_CIP)                     |
| LD50 oral                          | 4500 mg/kg bodyweight                            |
| LD50 dermal rabbit                 | > 5 g/kg (Source: NLM_CIP)                       |
| <b>Anisic alcohol (105-13-5)</b>   |                                                  |
| LD50 oral rat                      | 1200 µl/kg (Source: NLM_CIP)                     |
| LD50 dermal rabbit                 | 3000 mg/kg (Source: ECHA_API)                    |
| LD50 dermal                        | 3000 mg/kg bodyweight                            |
| <b>(104-21-2)</b>                  |                                                  |
| LD50 dermal rat                    | > 2000 mg/kg (Source: ECHA_API)                  |
| <b>Cyclamal (103-95-7)</b>         |                                                  |
| LD50 oral rat                      | 3810 mg/kg (Source: NLM_CIP)                     |
| LD50 oral                          | 3810 mg/kg bodyweight                            |
| LD50 dermal rat                    | > 5000 mg/kg (Source: ECHA_API)                  |
| <b>Allyl heptanoate (142-19-8)</b> |                                                  |
| LD50 oral rat                      | 500 mg/kg (Source: NLM_CIP)                      |
| LD50 oral                          | 218 mg/kg bodyweight                             |
| LD50 dermal rabbit                 | 810 mg/kg (Source: ECHA_API)                     |
| LD50 dermal                        | 810 mg/kg bodyweight                             |
| <b>Allyl caproate (123-68-2)</b>   |                                                  |
| LD50 oral                          | 300 mg/kg bodyweight                             |
| LD50 dermal rabbit                 | 820 mg/kg (Source: ECHA_API)                     |
| LD50 dermal                        | 300 mg/kg bodyweight                             |
| LC50 Inhalation - Rat (Vapours)    | 3 mg/l/4h                                        |

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| Aldehyde C-16 (77-83-8) |                                 |
|-------------------------|---------------------------------|
| LD50 oral rat           | 5470 mg/kg (Source: NLM_CIP)    |
| LD50 dermal rat         | > 2000 mg/kg (Source: ECHA_API) |

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Skin corrosion/irritation         | : Not classified                       |
| Serious eye damage/irritation     | : Not classified                       |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity            | : Not classified                       |
| Carcinogenicity                   | : Not classified                       |
| Reproductive toxicity             | : Not classified                       |
| STOT-single exposure              | : Not classified                       |

| isobutyl acetate (110-19-0) |                                    |
|-----------------------------|------------------------------------|
| STOT-single exposure        | May cause drowsiness or dizziness. |
| STOT-repeated exposure      | : Not classified                   |
| Aspiration hazard           | : Not classified                   |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                                                                       |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Ecology - general                                         | : Toxic to aquatic life with long lasting effects. Harmful 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) | : Harmful to aquatic life with long lasting effects.                                                  |

| hexan-1-ol (111-27-3) |                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]       | 89.7 – 106 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |
| LC50 - Fish [2]       | 144 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID)             |

| Linalool (78-70-6)   |                                              |
|----------------------|----------------------------------------------|
| EC50 96h - Algae [1] | 88.3 mg/l (Species: Desmodesmus subspicatus) |

| isobutyl acetate (110-19-0) |                                                                       |
|-----------------------------|-----------------------------------------------------------------------|
| LC50 - Fish [1]             | 17 mg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) |

| Geraniol (106-24-1) |                                                                            |
|---------------------|----------------------------------------------------------------------------|
| LC50 - Fish [1]     | 22 mg/l (Exposure time: 96 h - Species: Danio rerio [static] Source: ECHA) |

| Nerol (106-25-2) |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| LC50 - Fish [1]  | 20.3 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA) |

| Allyl caproate (123-68-2) |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| LC50 - Fish [1]           | 0.117 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA) |

| Aldehyde C-16 (77-83-8) |                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------|
| LC50 - Fish [1]         | 4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: ECHA) |

### 12.2. Persistence and degradability

No additional information available



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### 12.3. Bioaccumulative potential

#### Dimyrcetol (25279-09-8)

|                                                 |                                                   |
|-------------------------------------------------|---------------------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.55 (at 20 °C (at pH $\geq 6.55$ - $\leq 6.7$ )) |
|-------------------------------------------------|---------------------------------------------------|

#### Resin acids and Rosin acids, hydrogenated, methyl esters (8050-15-5)

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Partition coefficient n-octanol/water (Log Pow) | 6.4 – 7.6 (at pH 6) |
|-------------------------------------------------|---------------------|

#### hexan-1-ol (111-27-3)

|                                                 |     |
|-------------------------------------------------|-----|
| Partition coefficient n-octanol/water (Log Pow) | 1.8 |
|-------------------------------------------------|-----|

#### isobutyl acetate (110-19-0)

|                |                                   |
|----------------|-----------------------------------|
| BCF - Fish [1] | (no significant bioconcentration) |
|----------------|-----------------------------------|

|                                                 |                          |
|-------------------------------------------------|--------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.3 (at 25 °C (at pH 7)) |
|-------------------------------------------------|--------------------------|

#### Melonal (106-72-9)

|                                                 |                          |
|-------------------------------------------------|--------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.4 (at 35 °C (at pH 7)) |
|-------------------------------------------------|--------------------------|

#### Geraniol (106-24-1)

|                                                 |                |
|-------------------------------------------------|----------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.6 (at 25 °C) |
|-------------------------------------------------|----------------|

#### Nerol (106-25-2)

|                                                 |                             |
|-------------------------------------------------|-----------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.76 (at 30 °C (at pH 6.5)) |
|-------------------------------------------------|-----------------------------|

#### Anisic alcohol (105-13-5)

|                                                 |                               |
|-------------------------------------------------|-------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -0.08 (at 27 °C (at pH 4.57)) |
|-------------------------------------------------|-------------------------------|

#### (104-21-2)

|                                                 |                |
|-------------------------------------------------|----------------|
| Partition coefficient n-octanol/water (Log Pow) | 1.9 (at 35 °C) |
|-------------------------------------------------|----------------|

#### isopentyl acetate (123-92-2)

|                                                 |                |
|-------------------------------------------------|----------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.7 (at 35 °C) |
|-------------------------------------------------|----------------|

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

|                                                 |                |
|-------------------------------------------------|----------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.4 (at 35 °C) |
|-------------------------------------------------|----------------|

#### Allyl heptanoate (142-19-8)

|                                                 |                             |
|-------------------------------------------------|-----------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.97 (at 20 °C (at pH 5.3)) |
|-------------------------------------------------|-----------------------------|

#### Allyl caproate (123-68-2)

|                                                 |                            |
|-------------------------------------------------|----------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.191 (at 20 °C (at pH 5)) |
|-------------------------------------------------|----------------------------|

#### Aldehyde C-16 (77-83-8)

|                                                 |                             |
|-------------------------------------------------|-----------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.4 (at 25 °C (cis isomer)) |
|-------------------------------------------------|-----------------------------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

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### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods

HP Code

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

: HP3 - "Flammable:"

– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;

– flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;

– flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;

– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;

– water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;

– other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

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            |
|-----------------------------------------|----------------|----------------|----------------|----------------|
| <b>14.1. UN number or ID number</b>     |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |                |

### 14.6. Special precautions for user

**Overland transport**

Not applicable

**Transport by sea**

Not applicable

**Air transport**

Not applicable

**Inland waterway transport**

Not applicable

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### Rail transport

Not applicable

### 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)                                   | Grapefruit oil ; hexan-1-ol ; isobutyl acetate ; isopentyl acetate                                                                                                                                           | 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)                                   | PINK SANDS #EU28382F ; Dimyrcetol ; Grapefruit oil ; hexan-1-ol ; Linalool ; isobutyl acetate ; Melonal ; Geraniol ; Nerol ; Anisic alcohol ; ; Cyclamal ; Allyl heptanoate ; Allyl caproate ; Aldehyde C-16 | 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                                                                                  |
| 3(c)                                   | PINK SANDS #EU28382F ; Grapefruit oil ; Resin acids and Rosin acids, hydrogenated, methyl esters ; Cyclamal ; Allyl heptanoate ; Allyl caproate ; Aldehyde C-16                                              | 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.                                    | Grapefruit oil ; hexan-1-ol ; isobutyl acetate ; isopentyl acetate                                                                                                                                           | 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)

##### 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)

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### 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)

### 15.1.2. National regulations

#### Germany

- Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).
- Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).
- Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

- ABM category : A(3) - hazardous for aquatic organisms, may have longterm hazardous effects in aquatic environment
- SZW-lijst van kankerverwekkende stoffen : Resin acids and Rosin acids, hydrogenated, methyl esters is listed
- SZW-lijst van mutagene stoffen : Resin acids and Rosin acids, hydrogenated, methyl esters is 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

### Abbreviations and acronyms:

|         |                                                                                                 |
|---------|-------------------------------------------------------------------------------------------------|
| ADN     | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR     | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE     | Acute Toxicity Estimate                                                                         |
| BLV     | Biological limit value                                                                          |
| CAS-No. | Chemical Abstract Service number                                                                |
| CLP     | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| DMEL    | Derived Minimal Effect level                                                                    |
| DNEL    | Derived-No Effect Level                                                                         |
| EC50    | Median effective concentration                                                                  |
| EC-No.  | European Community number                                                                       |
| EN      | European Standard                                                                               |
| IATA    | International Air Transport Association                                                         |
| IMDG    | International Maritime Dangerous Goods                                                          |
| LC50    | Median lethal concentration                                                                     |
| LD50    | Median lethal dose                                                                              |

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### Abbreviations and acronyms:

|       |                                                                                                   |
|-------|---------------------------------------------------------------------------------------------------|
| LOAEL | Lowest Observed Adverse Effect Level                                                              |
| NOAEC | No-Observed Adverse Effect Concentration                                                          |
| NOAEL | No-Observed Adverse Effect Level                                                                  |
| NOEC  | No-Observed Effect Concentration                                                                  |
| OEL   | Occupational Exposure Limit                                                                       |
| PBT   | Persistent Bioaccumulative Toxic                                                                  |
| PNEC  | Predicted No-Effect Concentration                                                                 |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID   | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| SDS   | Safety Data Sheet                                                                                 |
| vPvB  | Very Persistent and Very Bioaccumulative                                                          |
| WGK   | Water Hazard Class                                                                                |

### 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 (Dermal)     | Acute toxicity (dermal), 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 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                     |
| Flam. Liq. 2              | Flammable liquids, Category 2                                     |
| Flam. Liq. 3              | Flammable liquids, Category 3                                     |
| H225                      | Highly flammable liquid and vapour.                               |
| 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.                                       |
| H312                      | Harmful 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.                                                 |

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### Full text of H- and EUH-statements:

|               |                                                                        |
|---------------|------------------------------------------------------------------------|
| H336          | May cause drowsiness or dizziness.                                     |
| H400          | Very toxic to aquatic life.                                            |
| H411          | Toxic to aquatic life with long lasting effects.                       |
| H412          | Harmful to aquatic life with long lasting effects.                     |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2                                  |
| Skin Sens. 1  | Skin sensitisation, Category 1                                         |
| Skin Sens. 1B | Skin sensitisation, category 1B                                        |
| STOT SE 3     | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

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.