

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

|                 |                        |
|-----------------|------------------------|
| Product form    | : Mixture              |
| Trade name      | : Mango Mandarinine    |
| UFI             | : YJR6-T0HH-H00N-RCQ1  |
| Product code    | : 0000002441           |
| 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**

Grupa Easy Spółka z o.o.  
ul. Polna 1a  
21-470 Krzywda  
Polska  
kontakt@easycandle.p  
I+48 511 779 510

**1.4. Emergency telephone number**

|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| Emergency number | : +48 511 779 510 (08:00 - 16:00)<br>112 (national emergency number) |
|------------------|----------------------------------------------------------------------|

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

|                                                                   |      |
|-------------------------------------------------------------------|------|
| Acute toxicity (oral), Category 4                                 | H302 |
| Skin corrosion/irritation, Category 2                             | H315 |
| Skin sensitisation, Category 1                                    | H317 |
| Aspiration hazard, Category 1                                     | H304 |
| Hazardous to the aquatic environment – Acute Hazard, Category 1   | H400 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 2 | H411 |

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

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

Harmful if swallowed. Causes skin irritation. May be fatal if swallowed and enters airways. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

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### 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

Contains

Hazard statements (CLP)

Precautionary statements (CLP)

Extra phrases

- : Danger
- : benzyl benzoate; Orange oil ; (R)-p-mentha-1,8-diene; d-limonene; Linalool; Triplal (Vertocitral)
- : H302 - Harmful if swallowed.  
H304 - May be fatal if swallowed and enters airways.  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H410 - Very toxic to aquatic life with long lasting effects.
- : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- : 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 substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name            | Product identifier                                                                                 | %              | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------|
| benzyl benzoate | CAS-No.: 120-51-4<br>EC-No.: 204-402-9<br>EC Index-No.: 607-085-00-9<br>REACH-no: 01-2119976371-33 | 21.8 – 43.5008 | Acute Tox. 4 (Oral), H302<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411                                                            |
| Orange oil      | CAS-No.: 8008-57-9<br>EC-No.: 232-433-8<br>REACH-no: 01-2119493353-35                              | 14.3 – 28.5    | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411 |

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| Name                                                                                                                                                                                                                                                      | Product identifier                                                                                  | %           | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| (R)-p-mentha-1,8-diene; d-limonene<br>substance with national workplace exposure limit(s)<br>(DE, ES, FI, SI, NO, CH)                                                                                                                                     | CAS-No.: 5989-27-5<br>EC-No.: 205-341-0<br>EC Index-No.: 601-096-00-2<br>REACH-no: 01-2119493353-35 | 7.1 – 14.25 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412 |
| 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   | 2.9 – 5.7   | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317                                                                          |
| Dimethylbenzyl carbiny l butyrate(DMBCB)                                                                                                                                                                                                                  | CAS-No.: 10094-34-5<br>EC-No.: 233-221-8<br>REACH-no: 01-2120742578-44                              | 1.9 – 3.85  | Skin Irrit. 2, H315<br>Aquatic Chronic 3, H412                                                                                            |
| Benzyl acetate<br>substance with national workplace exposure limit(s)<br>(BE, DK, ES, IE, LT, LV, PT, RO)                                                                                                                                                 | CAS-No.: 140-11-4<br>EC-No.: 205-399-7<br>REACH-no: 01-2119638272-42                                | 0.3 – 0.6   | Aquatic Chronic 3, H412                                                                                                                   |
| Triplal (Vertocitral)                                                                                                                                                                                                                                     | CAS-No.: 68039-49-6<br>EC-No.: 268-264-1                                                            | 0.1 – 0.167 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412                                                |
| Alcohol C-10<br>substance with national workplace exposure limit(s)<br>(BG, DE, LT, LV, RO, CH)                                                                                                                                                           | CAS-No.: 112-30-1<br>EC-No.: 203-956-9                                                              | 0 – 0.0004  | Aquatic Chronic 3, H412                                                                                                                   |
| isopentyl acetate<br>substance with national workplace exposure limit(s)<br>(AT, BE, BG, CY, DE, DK, EE, ES, FI, FR, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR); substance with a Community workplace exposure limit | CAS-No.: 123-92-2<br>EC-No.: 204-662-3<br>EC Index-No.: 607-130-00-2<br>REACH-no: 01-2119548408-32  | 0 – 0.0001  | Flam. Liq. 3, H226                                                                                                                        |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a physician immediately.                                                                                                                                                                                                                                                                                                                                   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.                                                                                                                                                                                                                                                                                                                                                            |
| First-aid measures after skin contact | : Wash with plenty of water/.... Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). If skin irritation or rash occurs: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. 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 immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.                                                                                                                                                                                                                                                                                                                                                  |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell. Immediately call a POISON CENTER/doctor. Obtain emergency medical attention. Do not induce vomiting. Call a physician immediately.                                                                                                                                                                                                                                                                         |

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

|                                     |                                                                                                                                                         |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects                    | : Not expected to present a significant hazard under anticipated conditions of normal use.                                                              |
| Symptoms/effects after inhalation   | : May cause an allergic skin reaction.                                                                                                                  |
| Symptoms/effects after skin contact | : Causes skin irritation. Irritation. May cause an allergic skin reaction.                                                                              |
| Symptoms/effects after ingestion    | : Swallowing a small quantity of this material will result in serious health hazard. May be fatal if swallowed and enters airways. Risk of lung oedema. |

### 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   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

### 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

|                                |                                                                                                                                                                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.                                                                  |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. 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. Evacuate unnecessary personnel. 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. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Ventilate area.                                                                                                                                                                                      |

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. 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. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
| Other information       | : Dispose of materials or solid residues at an authorized site.                                                                                                                              |

### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection. For further information refer to section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. No open flames. No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Always wash hands after handling the product.

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

- Storage conditions : Keep in fireproof place. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Store locked up. Store in a well-ventilated place. Keep cool.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Heat sources. Sources of ignition. Direct sunlight.
- Storage temperature : 25 °C
- Storage area : Store in a well-ventilated place. Store away from heat.
- Special rules on packaging : Store in a closed container.
- Packaging materials : Do not store in corrodable metal.

#### Switzerland

- Storage class (LK) : LK 6.1 - Toxic materials

#### 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

| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)    |                                                                                                                       |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Finland - Occupational Exposure Limits            |                                                                                                                       |
| HTP (OEL TWA)                                     | 140 mg/m <sup>3</sup>                                                                                                 |
|                                                   | 25 ppm                                                                                                                |
| HTP (OEL STEL)                                    | 280 mg/m <sup>3</sup>                                                                                                 |
|                                                   | 50 ppm                                                                                                                |
| Germany - Occupational Exposure Limits (TRGS 900) |                                                                                                                       |
| AGW (OEL TWA)                                     | 28 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
|                                                   | 5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)                |
| Chemical category                                 | Skin notation, Skin sensitization                                                                                     |
| Slovenia - Occupational Exposure Limits           |                                                                                                                       |
| OEL TWA                                           | 28 mg/m <sup>3</sup>                                                                                                  |
|                                                   | 5 ppm                                                                                                                 |
| OEL STEL                                          | 112 mg/m <sup>3</sup>                                                                                                 |
|                                                   | 20 ppm                                                                                                                |

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| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) |                                                       |
|------------------------------------------------|-------------------------------------------------------|
| OEL chemical category                          | Potential for cutaneous absorption                    |
| Spain - Occupational Exposure Limits           |                                                       |
| VLA-ED (OEL TWA)                               | 168 mg/m <sup>3</sup>                                 |
|                                                | 30 ppm                                                |
| OEL chemical category                          | Sensitizer, skin - potential for cutaneous absorption |
| Norway - Occupational Exposure Limits          |                                                       |
| Grenseverdi (OEL TWA)                          | 140 mg/m <sup>3</sup>                                 |
|                                                | 25 ppm                                                |
| Korttidsverdi (OEL STEL)                       | 175 mg/m <sup>3</sup> (value calculated)              |
|                                                | 37.5 ppm (value calculated)                           |
| OEL chemical category                          | Allergenic substance                                  |
| Switzerland - Occupational Exposure Limits     |                                                       |
| MAK (OEL TWA)                                  | 40 mg/m <sup>3</sup>                                  |
|                                                | 7 ppm                                                 |
| KZGW (OEL STEL)                                | 80 mg/m <sup>3</sup>                                  |
|                                                | 14 ppm                                                |
| OEL chemical category                          | Sensitizer                                            |
| Benzyl acetate (140-11-4)                      |                                                       |
| Belgium - Occupational Exposure Limits         |                                                       |
| OEL TWA                                        | 62 mg/m <sup>3</sup>                                  |
|                                                | 10 ppm                                                |
| Denmark - Occupational Exposure Limits         |                                                       |
| OEL TWA                                        | 61 mg/m <sup>3</sup>                                  |
|                                                | 10 ppm                                                |
| OEL STEL                                       | 122 mg/m <sup>3</sup>                                 |
|                                                | 20 ppm                                                |
| Ireland - Occupational Exposure Limits         |                                                       |
| OEL TWA                                        | 10 ppm                                                |
| OEL STEL                                       | 30 ppm (calculated)                                   |
| Latvia - Occupational Exposure Limits          |                                                       |
| OEL TWA                                        | 5 mg/m <sup>3</sup>                                   |
| Lithuania - Occupational Exposure Limits       |                                                       |
| IPRV (OEL TWA)                                 | 5 mg/m <sup>3</sup>                                   |
| Portugal - Occupational Exposure Limits        |                                                       |
| OEL TWA                                        | 10 ppm                                                |
| OEL chemical category                          | A4 - Not Classifiable as a Human Carcinogen           |
| Romania - Occupational Exposure Limits         |                                                       |
| OEL TWA                                        | 50 mg/m <sup>3</sup>                                  |
|                                                | 8 ppm                                                 |

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|                                                           |                                                                                                                       |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Benzyl acetate (140-11-4)</b>                          |                                                                                                                       |
| OEL STEL                                                  | 80 mg/m <sup>3</sup>                                                                                                  |
|                                                           | 13 ppm                                                                                                                |
| <b>Spain - Occupational Exposure Limits</b>               |                                                                                                                       |
| VLA-ED (OEL TWA)                                          | 62 mg/m <sup>3</sup>                                                                                                  |
|                                                           | 10 ppm                                                                                                                |
| <b>USA - ACGIH - Occupational Exposure Limits</b>         |                                                                                                                       |
| ACGIH OEL TWA                                             | 10 ppm                                                                                                                |
| ACGIH chemical category                                   | Not Classifiable as a Human Carcinogen                                                                                |
| <b>Alcohol C-10 (112-30-1)</b>                            |                                                                                                                       |
| <b>Bulgaria - Occupational Exposure Limits</b>            |                                                                                                                       |
| OEL TWA                                                   | 10 mg/m <sup>3</sup>                                                                                                  |
| <b>Germany - Occupational Exposure Limits (TRGS 900)</b>  |                                                                                                                       |
| AGW (OEL TWA)                                             | 66 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
|                                                           | 10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)               |
| <b>Latvia - Occupational Exposure Limits</b>              |                                                                                                                       |
| OEL TWA                                                   | 10 mg/m <sup>3</sup>                                                                                                  |
| <b>Lithuania - Occupational Exposure Limits</b>           |                                                                                                                       |
| IPRV (OEL TWA)                                            | 10 mg/m <sup>3</sup>                                                                                                  |
| <b>Romania - Occupational Exposure Limits</b>             |                                                                                                                       |
| OEL TWA                                                   | 100 mg/m <sup>3</sup>                                                                                                 |
|                                                           | 15 ppm                                                                                                                |
| OEL STEL                                                  | 200 mg/m <sup>3</sup>                                                                                                 |
|                                                           | 30 ppm                                                                                                                |
| <b>Switzerland - Occupational Exposure Limits</b>         |                                                                                                                       |
| MAK (OEL TWA)                                             | 66 mg/m <sup>3</sup> (aerosol, vapour)                                                                                |
|                                                           | 10 ppm (aerosol, vapour)                                                                                              |
| KZGW (OEL STEL)                                           | 66 mg/m <sup>3</sup> (aerosol, vapour)                                                                                |
|                                                           | 10 ppm (aerosol, vapour)                                                                                              |
| <b>isopentyl acetate (123-92-2)</b>                       |                                                                                                                       |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |                                                                                                                       |
| IOEL TWA                                                  | 270 mg/m <sup>3</sup>                                                                                                 |
|                                                           | 50 ppm                                                                                                                |
| IOEL STEL                                                 | 540 mg/m <sup>3</sup>                                                                                                 |
|                                                           | 100 ppm                                                                                                               |
| <b>Austria - Occupational Exposure Limits</b>             |                                                                                                                       |
| MAK (OEL TWA)                                             | 270 mg/m <sup>3</sup> (Pentyl acetate (all isomers))                                                                  |
|                                                           | 50 ppm (Pentyl acetate (all isomers))                                                                                 |

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| isopentyl acetate (123-92-2)            |                                                   |
|-----------------------------------------|---------------------------------------------------|
| MAK (OEL STEL)                          | 540 mg/m <sup>3</sup> (Pentylacetate)             |
|                                         | 100 ppm (Pentylacetate)                           |
| Belgium - Occupational Exposure Limits  |                                                   |
| OEL TWA                                 | 270 mg/m <sup>3</sup>                             |
|                                         | 50 ppm                                            |
| OEL STEL                                | 540 mg/m <sup>3</sup>                             |
|                                         | 100 ppm                                           |
| Bulgaria - Occupational Exposure Limits |                                                   |
| OEL TWA                                 | 270 mg/m <sup>3</sup>                             |
|                                         | 50 ppm                                            |
| OEL STEL                                | 540 mg/m <sup>3</sup>                             |
|                                         | 100 ppm                                           |
| Croatia - Occupational Exposure Limits  |                                                   |
| GVI (OEL TWA)                           | 270 mg/m <sup>3</sup>                             |
|                                         | 50 ppm                                            |
| KGVl (OEL STEL)                         | 540 mg/m <sup>3</sup>                             |
|                                         | 100 ppm                                           |
| Cyprus - Occupational Exposure Limits   |                                                   |
| OEL TWA                                 | 270 mg/m <sup>3</sup>                             |
|                                         | 50 ppm                                            |
| OEL STEL                                | 540 mg/m <sup>3</sup>                             |
|                                         | 100 ppm                                           |
| Denmark - Occupational Exposure Limits  |                                                   |
| OEL TWA                                 | 271 mg/m <sup>3</sup> (Amyl acetate, all isomers) |
|                                         | 50 ppm (Amyl acetate, all isomers)                |
| OEL STEL                                | 540 mg/m <sup>3</sup>                             |
|                                         | 100 ppm                                           |
| Estonia - Occupational Exposure Limits  |                                                   |
| OEL TWA                                 | 270 mg/m <sup>3</sup>                             |
|                                         | 50 ppm                                            |
| OEL STEL                                | 540 mg/m <sup>3</sup>                             |
|                                         | 100 ppm                                           |
| Finland - Occupational Exposure Limits  |                                                   |
| HTP (OEL TWA)                           | 270 mg/m <sup>3</sup> (Pentyl acetate)            |
|                                         | 50 ppm (Pentyl acetate)                           |
| HTP (OEL STEL)                          | 540 mg/m <sup>3</sup>                             |
|                                         | 100 ppm                                           |
| France - Occupational Exposure Limits   |                                                   |
| VME (OEL TWA)                           | 270 mg/m <sup>3</sup> (restrictive limit)         |

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| isopentyl acetate (123-92-2)                      |                                           |
|---------------------------------------------------|-------------------------------------------|
|                                                   | 50 ppm (restrictive limit)                |
| VLE (OEL C/STEL)                                  | 540 mg/m <sup>3</sup> (restrictive limit) |
|                                                   | 100 ppm (restrictive limit)               |
| Germany - Occupational Exposure Limits (TRGS 900) |                                           |
| AGW (OEL TWA)                                     | 270 mg/m <sup>3</sup>                     |
|                                                   | 50 ppm                                    |
| Gibraltar - Occupational Exposure Limits          |                                           |
| OEL TWA                                           | 270 mg/m <sup>3</sup>                     |
|                                                   | 50 ppm                                    |
| OEL STEL                                          | 540 mg/m <sup>3</sup>                     |
|                                                   | 100 ppm                                   |
| Greece - Occupational Exposure Limits             |                                           |
| OEL TWA                                           | 530 mg/m <sup>3</sup>                     |
|                                                   | 100 ppm                                   |
| OEL STEL                                          | 800 mg/m <sup>3</sup>                     |
|                                                   | 150 ppm                                   |
| Hungary - Occupational Exposure Limits            |                                           |
| AK (OEL TWA)                                      | 270 mg/m <sup>3</sup>                     |
| CK (OEL STEL)                                     | 540 mg/m <sup>3</sup>                     |
| Ireland - Occupational Exposure Limits            |                                           |
| OEL TWA                                           | 260 mg/m <sup>3</sup>                     |
|                                                   | 50 ppm                                    |
| OEL STEL                                          | 520 mg/m <sup>3</sup>                     |
|                                                   | 100 ppm                                   |
| Italy - Occupational Exposure Limits              |                                           |
| OEL TWA                                           | 270 mg/m <sup>3</sup>                     |
|                                                   | 50 ppm                                    |
| OEL STEL                                          | 540 mg/m <sup>3</sup>                     |
|                                                   | 100 ppm                                   |
| Latvia - Occupational Exposure Limits             |                                           |
| OEL TWA                                           | 270 mg/m <sup>3</sup>                     |
|                                                   | 50 ppm                                    |
| Lithuania - Occupational Exposure Limits          |                                           |
| IPRV (OEL TWA)                                    | 270 mg/m <sup>3</sup>                     |
|                                                   | 50 ppm                                    |
| TPRV (OEL STEL)                                   | 540 mg/m <sup>3</sup>                     |
|                                                   | 100 ppm                                   |
| Luxembourg - Occupational Exposure Limits         |                                           |
| OEL TWA                                           | 270 mg/m <sup>3</sup>                     |

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| isopentyl acetate (123-92-2)               |                                                               |
|--------------------------------------------|---------------------------------------------------------------|
|                                            | 50 ppm                                                        |
| OEL STEL                                   | 540 mg/m <sup>3</sup>                                         |
|                                            | 100 ppm                                                       |
| Malta - Occupational Exposure Limits       |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| OEL STEL                                   | 540 mg/m <sup>3</sup>                                         |
|                                            | 100 ppm                                                       |
| Netherlands - Occupational Exposure Limits |                                                               |
| TGG-15min (OEL STEL)                       | 530 mg/m <sup>3</sup>                                         |
|                                            | 98.1 ppm                                                      |
| Poland - Occupational Exposure Limits      |                                                               |
| NDS (OEL TWA)                              | 250 mg/m <sup>3</sup>                                         |
| NDSch (OEL STEL)                           | 500 mg/m <sup>3</sup>                                         |
| Portugal - Occupational Exposure Limits    |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup> (indicative limit value)                |
|                                            | 50 ppm (indicative limit value (Pentyl acetate, all isomers)) |
| OEL STEL                                   | 540 mg/m <sup>3</sup> (indicative limit value)                |
|                                            | 100 ppm (indicative limit value)                              |
| Romania - Occupational Exposure Limits     |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| OEL STEL                                   | 540 mg/m <sup>3</sup>                                         |
|                                            | 100 ppm                                                       |
| Slovakia - Occupational Exposure Limits    |                                                               |
| NPHV (OEL TWA)                             | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| NPHV (OEL C)                               | 540 mg/m <sup>3</sup>                                         |
| Slovenia - Occupational Exposure Limits    |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| OEL STEL                                   | 540 mg/m <sup>3</sup>                                         |
|                                            | 100 ppm                                                       |
| Spain - Occupational Exposure Limits       |                                                               |
| VLA-ED (OEL TWA)                           | 270 mg/m <sup>3</sup> (indicative limit value)                |
|                                            | 50 ppm (indicative limit value)                               |
| VLA-EC (OEL STEL)                          | 540 mg/m <sup>3</sup>                                         |
|                                            | 100 ppm                                                       |

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

#### Sweden - Occupational Exposure Limits

|                |                                         |
|----------------|-----------------------------------------|
| NGV (OEL TWA)  | 270 mg/m <sup>3</sup> (Pentyl acetates) |
|                | 50 ppm (Pentyl acetates)                |
| KGV (OEL STEL) | 540 mg/m <sup>3</sup> (Pentyl acetates) |
|                | 100 ppm (Pentyl acetates)               |

#### Norway - Occupational Exposure Limits

|                          |                                          |
|--------------------------|------------------------------------------|
| Grenseverdi (OEL TWA)    | 260 mg/m <sup>3</sup>                    |
|                          | 50 ppm                                   |
| Korttidsverdi (OEL STEL) | 325 mg/m <sup>3</sup> (value calculated) |
|                          | 75 ppm (value calculated)                |

#### Switzerland - Occupational Exposure Limits

|                 |                                                    |
|-----------------|----------------------------------------------------|
| MAK (OEL TWA)   | 260 mg/m <sup>3</sup> (Pentyl acetate all isomers) |
|                 | 50 ppm (Pentyl acetate all isomers)                |
| KZGW (OEL STEL) | 260 mg/m <sup>3</sup> (Pentyl acetate all isomers) |
|                 | 50 ppm (Pentyl acetate all isomers)                |

#### USA - ACGIH - Occupational Exposure Limits

|                |                                       |
|----------------|---------------------------------------|
| ACGIH OEL TWA  | 50 ppm (Pentyl acetate, all isomers)  |
| ACGIH OEL STEL | 100 ppm (Pentyl acetate, all isomers) |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Avoid all unnecessary exposure.

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



##### 8.2.2.1. Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses. Safety glasses

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### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Wear protective gloves.

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection. Wear appropriate mask

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

|                                                 |                                              |
|-------------------------------------------------|----------------------------------------------|
| Physical state                                  | : Liquid                                     |
| Colour                                          | : light yellow. amber. Conforms to standard. |
| Odour                                           | : characteristic.                            |
| Odour threshold                                 | : Not available                              |
| Melting point                                   | : Not applicable                             |
| Freezing point                                  | : Not available                              |
| Boiling point                                   | : Not available                              |
| Flammability                                    | : Not applicable, Combustible liquid         |
| Lower explosion limit                           | : Not available                              |
| Upper explosion limit                           | : Not available                              |
| Flash point                                     | : 60.1 °C                                    |
| Auto-ignition temperature                       | : Not available                              |
| Decomposition temperature                       | : Not available                              |
| pH                                              | : Not available                              |
| pH solution concentration                       | : 1 %                                        |
| Viscosity, kinematic                            | : 20.5 mm²/s                                 |
| Solubility                                      | : Not available                              |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                              |
| Vapour pressure                                 | : 0.021278719 mm Hg (calculated value)       |
| Vapour pressure at 50°C                         | : Not available                              |
| Density                                         | : Not available                              |
| Relative density                                | : Not available                              |
| Relative vapour density at 20°C                 | : Not available                              |
| Particle characteristics                        | : Not applicable                             |

### 9.2. Other information

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

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 44.8896 % (calculated value)(CARB VOC) (%w/w)

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### 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

Combustible liquid. May form flammable/explosive vapour-air mixture.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Open flame. Overheating. Heat. Sparks. Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

May release flammable gases. fume. Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

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

Acute toxicity (oral) : Harmful if swallowed.  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

| Mango Mandarin 0000002441                            |                                 |
|------------------------------------------------------|---------------------------------|
| ATE CLP (oral)                                       | 1149.404 mg/kg bodyweight       |
| benzyl benzoate (120-51-4)                           |                                 |
| LD50 oral rat                                        | > 2000 mg/kg (Source: ECHA_API) |
| LD50 oral                                            | 1160 mg/kg bodyweight           |
| LD50 dermal rabbit                                   | 4000 mg/kg (Source: NLM_CIP)    |
| Orange oil (8008-57-9)                               |                                 |
| LD50 oral rat                                        | 4400 mg/kg (Source: NZ_CCID)    |
| LD50 dermal rabbit                                   | > 5000 mg/kg (Source: CHEMVIEW) |
| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)       |                                 |
| LD50 oral rat                                        | 4400 mg/kg (Source: CHEMVIEW)   |
| LD50 dermal rabbit                                   | > 5 g/kg (Source: CHEMVIEW)     |
| Linalool (78-70-6)                                   |                                 |
| LD50 oral                                            | 2790 mg/kg                      |
| Dimethylbenzyl carbonyl butyrate(DMBCB) (10094-34-5) |                                 |
| LD50 oral rat                                        | > 5 g/kg (Source: NLM_CIP)      |
| Benzyl acetate (140-11-4)                            |                                 |
| LD50 oral rat                                        | 2490 mg/kg (Source: JAPAN_GHS)  |
| LD50 oral                                            | 2490 mg/kg bodyweight           |

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|                                                       |                                                                    |
|-------------------------------------------------------|--------------------------------------------------------------------|
| <b>Benzyl acetate (140-11-4)</b>                      |                                                                    |
| LD50 dermal rabbit                                    | > 5000 mg/kg (Source: JAPAN_GHS)                                   |
| <b>Triplal (Vertocitral) (68039-49-6)</b>             |                                                                    |
| LD50 oral                                             | 2330 mg/kg                                                         |
| <b>Alcohol C-10 (112-30-1)</b>                        |                                                                    |
| LD50 oral rat                                         | 4720 mg/kg (Source: NZ_CCID)                                       |
| LD50 dermal rat                                       | > 5000 mg/kg (Source: ECHA_API)                                    |
| LC50 Inhalation - Rat                                 | > 71 mg/l (Exposure time: 1 h Source: ECHA_API)                    |
| Skin corrosion/irritation                             | : Causes skin irritation.                                          |
| Serious eye damage/irritation                         | : Not classified                                                   |
| Additional information                                | : Based on available data, the classification criteria are not met |
| Respiratory or skin sensitisation                     | : May cause an allergic skin reaction.                             |
| Germ cell mutagenicity                                | : Not classified                                                   |
| Additional information                                | : Based on available data, the classification criteria are not met |
| Carcinogenicity                                       | : Not classified                                                   |
| Additional information                                | : Based on available data, the classification criteria are not met |
| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b> |                                                                    |
| IARC group                                            | 3 - Not classifiable                                               |
| <b>Benzyl acetate (140-11-4)</b>                      |                                                                    |
| IARC group                                            | 3 - Not classifiable                                               |
| Reproductive toxicity                                 | : Not classified                                                   |
| Additional information                                | : Based on available data, the classification criteria are not met |
| STOT-single exposure                                  | : Not classified                                                   |
| Additional information                                | : Based on available data, the classification criteria are not met |
| STOT-repeated exposure                                | : Not classified                                                   |
| Additional information                                | : Based on available data, the classification criteria are not met |
| Aspiration hazard                                     | : May be fatal if swallowed and enters airways.                    |
| <b>Mango Mandarinine 0000002441</b>                   |                                                                    |
| Viscosity, kinematic                                  | 20.5 mm²/s                                                         |
| <b>benzyl benzoate (120-51-4)</b>                     |                                                                    |
| Viscosity, kinematic                                  | 7.456 mm²/s                                                        |
| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b> |                                                                    |
| Hydrocarbon                                           | Yes                                                                |

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

No additional information available

#### 11.2.2. Other information

Potential adverse human health effects and symptoms : Harmful if swallowed,Based on available data, the classification criteria are not met

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.  
Ecology - water : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

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Hazardous to the aquatic environment, short-term : Very toxic to aquatic life.  
(acute)

Hazardous to the aquatic environment, long-term : Toxic to aquatic life with long lasting effects.  
(chronic)

| benzyl benzoate (120-51-4) |                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------|
| LC50 - Fish [1]            | 2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA) |
| NOEC (chronic)             | 0.168 mg/l                                                                        |

| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) |                                                                                                    |
|------------------------------------------------|----------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]                                | 0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |
| LC50 - Fish [2]                                | 35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)                           |

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

| Alcohol C-10 (112-30-1) |                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]         | 2.2 – 2.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |
| LC50 - Fish [2]         | 4.12 – 6.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)      |
| EC50 - Crustacea [1]    | 3 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                          |

## 12.2. Persistence and degradability

| Mango Mandarinine 0000002441  |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Persistence and degradability | May cause long-term adverse effects in the environment. Not established. |

| benzyl benzoate (120-51-4)    |                                                         |
|-------------------------------|---------------------------------------------------------|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

| Orange oil (8008-57-9)        |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |

| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) |                    |
|------------------------------------------------|--------------------|
| Persistence and degradability                  | Rapidly degradable |

| Linalool (78-70-6)            |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |

| Dimethylbenzyl carbonyl butyrate(DMBCB) (10094-34-5) |                    |
|------------------------------------------------------|--------------------|
| Persistence and degradability                        | Rapidly degradable |

| Benzyl acetate (140-11-4)     |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |

| Triplal (Vertocitral) (68039-49-6) |                    |
|------------------------------------|--------------------|
| Persistence and degradability      | Rapidly degradable |

| Alcohol C-10 (112-30-1)       |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |

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

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

### 12.3. Bioaccumulative potential

#### Mango Mandarinine 0000002441

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

### benzyl benzoate (120-51-4)

|                                                 |                 |
|-------------------------------------------------|-----------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.97 (at 25 °C) |
|-------------------------------------------------|-----------------|

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

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

|                                                 |                            |
|-------------------------------------------------|----------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 4.38 (at 37 °C (at pH 7.2) |
|-------------------------------------------------|----------------------------|

### Dimethylbenzyl carbinyl butyrate(DMBCB) (10094-34-5)

|                                                 |                |
|-------------------------------------------------|----------------|
| Partition coefficient n-octanol/water (Log Pow) | 4.7 (at 25 °C) |
|-------------------------------------------------|----------------|

### Benzyl acetate (140-11-4)

|                                                 |                          |
|-------------------------------------------------|--------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 1.96 (at 25 °C (at pH 7) |
|-------------------------------------------------|--------------------------|

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

|                                                 |                         |
|-------------------------------------------------|-------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 4.5 (at 25 °C (at pH 6) |
|-------------------------------------------------|-------------------------|

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

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

### 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

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                            |                                                                                                                                                                 |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                                                                   |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local/national laws and regulations. |
| Ecological information                     | : Avoid release to the environment. Hazardous waste due to toxicity.                                                                                            |

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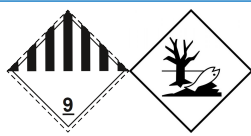
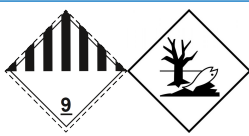
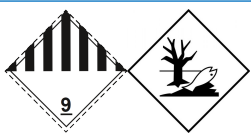
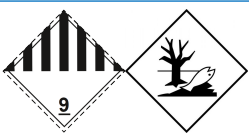
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|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HP Code | : HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.<br>HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.<br>HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.<br>HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.<br>HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### SECTION 14: Transport information

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

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

### 14.6. Special precautions for user

#### Overland transport

|                            |                           |
|----------------------------|---------------------------|
| Classification code (ADR)  | : M6                      |
| Special provisions (ADR)   | : 274, 335, 375, 601      |
| Limited quantities (ADR)   | : 5I                      |
| Excepted quantities (ADR)  | : E1                      |
| Packing instructions (ADR) | : P001, IBC03, LP01, R001 |

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Special packing provisions (ADR) : PP1  
Mixed packing provisions (ADR) : MP19  
Portable tank and bulk container instructions (ADR) : T4  
Portable tank and bulk container special provisions (ADR) : TP1, TP29  
Tank code (ADR) : LGBV  
Vehicle for tank carriage : AT  
Transport category (ADR) : 3  
Special provisions for carriage - Packages (ADR) : V12  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13  
Hazard identification number (Kemler No.) : 90  
Orange plates :



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

### Transport by sea

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

### Air transport

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

### Inland waterway transport

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

### Rail transport

Classification code (RID) : M6  
Special provisions (RID) : 274, 335, 375, 601  
Limited quantities (RID) : 5L  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P001, IBC03, LP01, R001  
Special packing provisions (RID) : PP1  
Mixed packing provisions (RID) : MP19  
Portable tank and bulk container instructions (RID) : T4

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Portable tank and bulk container special provisions (RID) : TP1, TP29  
Tank codes for RID tanks (RID) : LGBV  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W12  
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31  
Colis express (express parcels) (RID) : CE8  
Hazard identification number (RID) : 90

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

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

| EU restriction list (REACH Annex XVII) |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference code                         | Applicable on                                                                                                                                                                                      | Entry title or description                                                                                                                                                                                                                                                                                                                                                                         |
| 3(a)                                   | Orange oil ; (R)-p-mentha-1,8-diene; d-limonene ; 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)                                   | Mango Mandarinine 0000002441 ; benzyl benzoate ; Orange oil ; (R)-p-mentha-1,8-diene; d-limonene ; Linalool ; Dimethylbenzyl carbonyl butyrate(DMBCB) ; Triplal (Vertocitral)                      | 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)                                   | Mango Mandarinine 0000002441 ; benzyl benzoate ; Orange oil ; (R)-p-mentha-1,8-diene; d-limonene ; Dimethylbenzyl carbonyl butyrate(DMBCB) ; Benzyl acetate ; Triplal (Vertocitral) ; Alcohol C-10 | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1                                                                                                                                                                                                                          |
| 40.                                    | Orange oil ; (R)-p-mentha-1,8-diene; d-limonene ; 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)

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### 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)

### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

### VOC Directive (2004/42)

VOC content : 44.8896 % (calculated value)(CARB VOC) (%w/w)

### Explosives Precursors Regulation (2019/1148)

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

### Drug Precursors Regulation (273/2004)

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

### 15.1.2. National regulations

#### France

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

#### Germany

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 to the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

ABM category : A(1) - highly toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment  
SZW-lijst van kankerverwekkende stoffen : Orange oil ,Triplal (Vertocitral) are listed  
SZW-lijst van mutagene stoffen : Orange oil ,Triplal (Vertocitral) are listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

#### Denmark

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

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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### SECTION 16: Other information

Other information : None.

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

|                     |                                                                   |
|---------------------|-------------------------------------------------------------------|
| 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 Irrit. 2        | Serious eye damage/eye irritation, Category 2                     |
| Flam. Liq. 3        | Flammable liquids, Category 3                                     |
| H226                | Flammable liquid and vapour.                                      |
| H302                | Harmful if swallowed.                                             |
| H304                | May be fatal if swallowed and enters airways.                     |
| H315                | Causes skin irritation.                                           |
| H317                | May cause an allergic skin reaction.                              |
| H319                | Causes serious eye irritation.                                    |
| 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                                   |

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.