

# WHITE BERRY BALSAM #27999F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 9/11/2023 Version: 1.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : WHITE BERRY BALSAM #27999F  
UFI : KMDU-C9C1-E00R-FG7E  
Product code : EU27999F.  
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  
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

Craftastik Limited  
Unit 11 Swift Business Park  
Creek Way, Rainham, RM13 8LE

info@craftastik.co.uk  
T 44-203 305 6486

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazards identification

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

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

|   |      |
|---|------|
| Acute toxicity (oral), Category 4                                 | H302 |
| Skin corrosion/irritation, Category 2                             | H315 |
| Serious eye damage/eye irritation, Category 2                     | H319 |
| Skin sensitisation, Category 1                                    | H317 |
| 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. Causes serious eye irritation. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



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|                                |  |       |
|--------------------------------|--|-------|
|                                | GHS07  | GHS09 |
| Signal word (CLP)              | : Warning  |       |
| Contains                       | : Benzyl benzoate; Hexyl cinnamic aldehyde; Helional; Oxyphelylon (Raspberry ketone) crystals; d-Limonene; Linalyl acetate; ACETYL HEXAMETHYL TETRALIN; Linalool; Ethyl maltol; Triplal (Vertocitral); Fir Needle oil, Siberian; CUPRESSUS FUNEBRIS WOOD OIL; Cedramber  |       |
| Hazard statements (CLP)        | : H302 - Harmful if swallowed.<br>H315 - Causes skin irritation.<br>H317 - May cause an allergic skin reaction.<br>H319 - Causes serious eye irritation.<br>H410 - Very toxic to aquatic life with long lasting effects.   |       |
| Precautionary statements (CLP) | : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P264 - Wash hands, forearms and face thoroughly after handling.<br>P270 - Do not eat, drink or smoke when using this product.<br>P272 - Contaminated work clothing should not be allowed out of the workplace.<br>P273 - Avoid release to the environment.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. |       |
| Extra phrases                  | : For professional users only.   |       |

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

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

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                   | Product identifier  | %           | Classification according to Regulation (EC) No. 1272/2008 [CLP]               |
|--|---|-------------|---|
| 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  | 16.6 – 33.2 | Acute Tox. 4 (Oral), H302<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411 |
| Hexyl cinnamic aldehyde                | CAS-No.: 101-86-0<br>EC-No.: 202-983-3<br>REACH-no: 01-2119533092-50                                | 4.8 – 9.55  | Skin Sens. 1, H317<br>Aquatic Chronic 2, H411                                 |
| Hexamethylindanopyran                  | CAS-No.: 1222-05-5<br>EC-No.: 214-946-9<br>EC Index-No.: 603-212-00-7<br>REACH-no: 01-2119488227-29 | 3.5 – 7     | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                              |
| Linalyl acetate                        | CAS-No.: 115-95-7<br>EC-No.: 204-116-4<br>REACH-no: 01-2119454789-19                                | 1.4 – 2.75  | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317               |
| Dimethylbenzyl carbinyl acetate(DMBCA) | CAS-No.: 151-05-3<br>EC-No.: 205-781-3  | 1.4 – 2.7   | Aquatic Chronic 3, H412   |

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| Name  | Product identifier  | %          | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|---|---|------------|--|
| d-Limonene<br>substance with national workplace exposure limit(s)<br>(DE, ES, FI, SI, NO, CH) | CAS-No.: 5989-27-5<br>EC-No.: 205-341-0<br>EC Index-No.: 601-096-00-2<br>REACH-no: 01-2119493353-35 | 0.9 – 1.8  | 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                      |
| Helional  | CAS-No.: 1205-17-0<br>EC-No.: 214-881-6<br>REACH-no: 01-2120740119-58                               | 0.8 – 1.6  | Skin Sens. 1B, H317<br>Repr. 2, H361<br>Aquatic Chronic 2, H411  |
| Oxyphellon (Raspberry ketone) crystals  | CAS-No.: 5471-51-2<br>EC-No.: 226-806-4   | 0.8 – 1.6  | Acute Tox. 4 (Oral), H302  |
| Linalool  | CAS-No.: 78-70-6<br>EC-No.: 201-134-4<br>EC Index-No.: 603-235-00-2<br>REACH-no: 01-2119474016-42   | 0.8 – 1.6  | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317   |
| ACETYL HEXAMETHYL TETRALIN  | CAS-No.: 21145-77-7<br>EC-No.: 244-240-6  | 0.8 – 1.5  | Acute Tox. 4 (Oral), H302<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| CUPRESSUS FUNEBRIS WOOD OIL   | CAS-No.: 85085-29-6<br>EC-No.: 285-360-9  | 0.6 – 1.15 | Skin Corr. 1, H314<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411   |
| Ethyl maltol  | CAS-No.: 4940-11-8<br>EC-No.: 225-582-5   | 0.5 – 1    | Acute Tox. 4 (Oral), H302  |
| Triplal (Vertocitral)   | CAS-No.: 68039-49-6<br>EC-No.: 268-264-1  | 0.2 – 0.3  | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412   |
| Fir Needle oil, Siberian  | CAS-No.: 8021-29-2<br>EC-No.: 294-351-9<br>REACH-no: 01-2120738835-44                               | 0.2 – 0.3  | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| Cedramber   | CAS-No.: 19870-74-7<br>EC-No.: 243-384-7  | 0.1 – 0.1  | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>Skin Sens. 1B, H317  |

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 poison center or a doctor if you feel unwell.

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.

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|---------------------------------------|--|
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see Get medical advice/attention. on this label). If skin irritation occurs: Get medical advice/attention. 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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.   |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.  |

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

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : 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

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 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.  |

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### 6.4. Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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

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

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : 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.

### 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

| d-Limonene (5989-27-5)                                   |   |
|--|---|
| <b>Finland - Occupational Exposure Limits</b>            |   |
| HTP (OEL TWA) [1]  | 140 mg/m <sup>3</sup>   |
| HTP (OEL TWA) [2]  | 25 ppm  |
| HTP (OEL STEL)   | 280 mg/m <sup>3</sup>   |
| HTP (OEL STEL) [ppm]                                     | 50 ppm  |
| <b>Germany - Occupational Exposure Limits (TRGS 900)</b> |   |
| AGW (OEL TWA) [1]  | 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) |
| AGW (OEL TWA) [2]  | 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   |
| <b>Slovenia - Occupational Exposure Limits</b>           |   |
| OEL TWA  | 28 mg/m <sup>3</sup>  |
| OEL TWA [ppm]  | 5 ppm   |
| OEL STEL   | 112 mg/m <sup>3</sup>   |

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| <b>d-Limonene (5989-27-5)</b>                     |   |
|---|---|
| OEL STEL [ppm]                                    | 20 ppm  |
| OEL chemical category                             | Potential for cutaneous absorption                    |
| <b>Spain - Occupational Exposure Limits</b>       |   |
| VLA-ED (OEL TWA) [1]                              | 168 mg/m <sup>3</sup>                                 |
| VLA-ED (OEL TWA) [2]                              | 30 ppm  |
| OEL chemical category                             | Sensitizer, skin - potential for cutaneous absorption |
| <b>Norway - Occupational Exposure Limits</b>      |   |
| Grønseverdi (OEL TWA) [1]                         | 140 mg/m <sup>3</sup>                                 |
| Grønseverdi (OEL TWA) [2]                         | 25 ppm  |
| Korttidsverdi (OEL STEL)                          | 175 mg/m <sup>3</sup> (value calculated)              |
| Korttidsverdi (OEL STEL) [ppm]                    | 37.5 ppm (value calculated)                           |
| OEL chemical category                             | Allergenic substance                                  |
| <b>Switzerland - Occupational Exposure Limits</b> |   |
| MAK (OEL TWA) [1]                                 | 40 mg/m <sup>3</sup>                                  |
| MAK (OEL TWA) [2]                                 | 7 ppm   |
| KZGW (OEL STEL)                                   | 80 mg/m <sup>3</sup>                                  |
| KZGW (OEL STEL) [ppm]                             | 14 ppm  |
| OEL chemical category                             | Sensitizer  |

### 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:

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                             |
| Explosive limits                                | : Not available                              |
| Lower explosion limit                           | : Not available                              |
| Upper explosion limit                           | : Not available                              |
| Flash point                                     | : > 93.3 °C                                  |
| Auto-ignition temperature                       | : Not available                              |
| Decomposition temperature                       | : Not available                              |
| pH  | : Not available                              |
| Viscosity, kinematic                            | : Not available                              |
| Solubility                                      | : Not available                              |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                              |
| Vapour pressure                                 | : Not available                              |
| Vapour pressure at 50°C                         | : Not available                              |
| Density   | : Not available                              |
| Relative density                                | : Not available                              |
| Relative vapour density at 20°C                 | : Not available                              |
| Particle characteristics                        | : Not applicable                             |

### 9.2. Other information

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

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

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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

Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

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

| WHITE BERRY BALSAM #27999F                        |                                 |
|---|---------------------------------|
| ATE CLP (oral)                                    | 1406.207 mg/kg bodyweight       |
| Benzyl benzoate (120-51-4)                        |                                 |
| LD50 oral rat                                     | 500 mg/kg (Source: NLM_CIP)     |
| LD50 oral   | 1160 mg/kg bodyweight           |
| LD50 dermal rabbit                                | 4000 mg/kg (Source: NLM_CIP)    |
| Hexyl cinnamic aldehyde (101-86-0)                |                                 |
| LD50 oral rat                                     | 3100 mg/kg (Source: NLM_CIP)    |
| LD50 oral   | 3100 mg/kg bodyweight           |
| LD50 dermal rabbit                                | > 3000 mg/kg (Source: EPA_HP)   |
| LC50 Inhalation - Rat                             | > 5 mg/l/4h                     |
| Hexamethylindanopyran (1222-05-5)                 |                                 |
| LD50 oral rat                                     | > 3250 mg/kg (Source: CHEMVIEW) |
| LD50 dermal rabbit                                | > 3250 mg/kg (Source: CHEMVIEW) |
| Helional (1205-17-0)                              |                                 |
| LD50 dermal rabbit                                | > 2000 mg/kg (Source: ECHA_API) |
| Dimethylbenzyl carbonyl acetate(DMBCA) (151-05-3) |                                 |
| LD50 oral rat                                     | 3300 mg/kg (Source: NLM_CIP)    |
| LD50 oral   | 3300 mg/kg bodyweight           |



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| <b>Oxyphelyon (Raspberry ketone) crystals (5471-51-2)</b> |  |
|---|--|
| LD50 oral rat   | 1320 mg/kg (Source: NLM_CIP)           |
| LD50 dermal rat   | > 2000 mg/kg (Source: ECHA_API)        |
| <b>d-Limonene (5989-27-5)</b>                             |  |
| LD50 oral rat   | 4400 mg/kg (Source: CHEMVIEW)          |
| LD50 dermal rabbit  | > 5 g/kg (Source: CHEMVIEW)            |
| <b>Linalyl acetate (115-95-7)</b>                         |  |
| LD50 oral rat   | 14550 mg/kg (Source: EPA_HP)           |
| LD50 dermal rabbit  | > 5000 mg/kg (Source: EPA_HP)          |
| <b>ACETYL HEXAMETHYL TETRALIN (21145-77-7)</b>            |  |
| LD50 oral rat   | 570 mg/kg (Source: NLM_CIP)            |
| LD50 oral   | 1000 mg/kg bodyweight                  |
| LD50 dermal rabbit  | > 5 g/kg (Source: NLM_HSDB)            |
| <b>Linalool (78-70-6)</b>                                 |  |
| LD50 oral   | 2790 mg/kg bodyweight                  |
| <b>Ethyl maltol (4940-11-8)</b>                           |  |
| LD50 oral rat   | 1150 mg/kg (Source: NLM_CIP)           |
| LD50 oral   | 1200 mg/kg bodyweight                  |
| LD50 dermal rabbit  | > 5000 mg/kg (Source: ECHA_API)        |
| <b>Triplal (Vertocitral) (68039-49-6)</b>                 |  |
| LD50 oral   | 3900 mg/kg bodyweight                  |
| <b>Fir Needle oil, Siberian (8021-29-2)</b>               |  |
| LD50 oral rat   | 10200 mg/kg (Source: NLM_CIP)          |
| Skin corrosion/irritation                                 | : Causes skin irritation.              |
| Serious eye damage/irritation                             | : Causes serious eye irritation.       |
| Respiratory or skin sensitisation                         | : May cause an allergic skin reaction. |
| Germ cell mutagenicity                                    | : Not classified                       |
| Carcinogenicity   | : Not classified                       |
| <b>d-Limonene (5989-27-5)</b>                             |  |
| IARC group  | 3 - Not classifiable                   |
| Reproductive toxicity                                     | : Not classified                       |
| STOT-single exposure                                      | : Not classified                       |
| STOT-repeated exposure                                    | : Not classified                       |
| Aspiration hazard   | : Not classified                       |
| <b>Benzyl benzoate (120-51-4)</b>                         |  |
| Viscosity, kinematic                                      | 7.456 mm <sup>2</sup> /s               |

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

No additional information available

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### 11.2.2. Other information

Potential adverse human health effects and symptoms : 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.

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

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

| 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  |

| Hexamethylindanopyran (1222-05-5)  |   |
|------------------------------------|---|
| LC50 - Fish [1]                    | 0.452 mg/l Wolf, 1996d-27682                  |
| LC50 - Other aquatic organisms [1] | > 0.14 mg/l REACH DOSSIER Pimephales promelas |
| EC50 - Crustacea [2]               | 260 µg/l REACH Dossier                        |
| EC50 - Other aquatic organisms [1] | 0.131 mg/l REACH Dossier                      |

| 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)                           |

| Linalyl acetate (115-95-7) |  |
|----------------------------|--|
| LC50 - Fish [1]            | 11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA) |

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

| Ethyl maltol (4940-11-8) |   |
|--------------------------|---|
| LC50 - Fish [1]          | > 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: ECHA) |

### 12.2. Persistence and degradability

| WHITE BERRY BALSAM #27999F    |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

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

### 12.3. Bioaccumulative potential

| WHITE BERRY BALSAM #27999F |                  |
|----------------------------|------------------|
| 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. |

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| Hexamethylindanopyran (1222-05-5)                  |  |
|--|--|
| BCF - Fish [1]                                     | (1618 dimensionless (whole body w.w.)) |
| Partition coefficient n-octanol/water (Log Pow)    | 5.3 (at 25 °C (at pH 7))               |
| Helional (1205-17-0)                               |  |
| Partition coefficient n-octanol/water (Log Pow)    | 2.4 (at 25 °C)                         |
| Dimethylbenzyl carbiny acetate(DMBCA) (151-05-3)   |  |
| Partition coefficient n-octanol/water (Log Pow)    | 3.64 (at 25 °C (at pH >6-<7))          |
| Oxypheylon (Raspberry ketone) crystals (5471-51-2) |  |
| Partition coefficient n-octanol/water (Log Pow)    | 1.33 (at 20 °C)                        |
| d-Limonene (5989-27-5)                             |  |
| Partition coefficient n-octanol/water (Log Pow)    | 4.38 (at 37 °C (at pH 7.2))            |
| Linalyl acetate (115-95-7)                         |  |
| Partition coefficient n-octanol/water (Log Pow)    | 3.9 (at 25 °C)                         |
| ACETYL HEXAMETHYL TETRALIN (21145-77-7)            |  |
| Partition coefficient n-octanol/water (Log Pow)    | 5.7 (at 24 °C)                         |
| Ethyl maltol (4940-11-8)                           |  |
| Partition coefficient n-octanol/water (Log Pow)    | 2.9 (at 25 °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.                     |
| Ecology - waste materials                  | : Avoid release to the environment.   |

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HP Code

- : HP3 - "Flammable:"
  - flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
  - flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
  - flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
  - flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
  - water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
  - other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.
- HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.
- 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. (HEXAMETHYLINDANOPYRAN)                      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPYRAN)                                   | Environmentally hazardous substance, liquid, n.o.s. (HEXAMETHYLINDANOPYRAN)                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPYRAN)                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPYRAN)                 |
| <b>Transport document description</b>  |   |   |   |   |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPYRAN), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPYRAN), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (HEXAMETHYLINDANOPYRAN), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPYRAN), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPYRAN), 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  |

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| ADR                                    | IMDG | IATA | ADN | RID |
|--|------|------|-----|-----|
| 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)  | : 5L   |
| Excepted quantities (ADR)   | : E1   |
| Packing instructions (ADR)  | : P001, IBC03, LP01, R001  |
| Special packing provisions (ADR)  | : PP1  |
| Mixed packing provisions (ADR)  | : MP19   |
| Portable tank and bulk container instructions (ADR)                     | : T4   |
| Portable tank and bulk container special provisions (ADR)               | : TP1, TP29  |
| Tank code (ADR)   | : LGBV   |
| Vehicle for tank carriage   | : AT   |
| Transport category (ADR)  | : 3  |
| Special provisions for carriage - Packages (ADR)                        | : V12  |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13   |
| Hazard identification number (Kemler No.)                               | : 90   |
| Orange plates   | :  |
|   |  |
| Tunnel restriction code (ADR)   | : -  |
| EAC code  | : •3Z  |

#### Transport by sea

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

#### Air transport

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

#### Inland waterway transport

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

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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  
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)                                   | d-Limonene ; Fir Needle oil, Siberian  | 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)                                   | WHITE BERRY BALSAM #27999F ; Benzyl benzoate ; Hexyl cinnamic aldehyde ; Helional ; d-Limonene ; Linalyl acetate ; Linalool ; Triplal (Vertocitral) ; Fir Needle oil, Siberian ; CUPRESSUS FUNEBRIS WOOD OIL ; Cedramber                                     | 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)                                   | WHITE BERRY BALSAM #27999F ; Benzyl benzoate ; Hexyl cinnamic aldehyde ; Hexamethylindanopyran ; Helional ; Dimethylbenzyl carbonyl acetate(DMBCA) ; d-Limonene ; Triplal (Vertocitral) ; Fir Needle oil, Siberian ; CUPRESSUS FUNEBRIS WOOD OIL ; Cedramber | 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   |

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| EU restriction list (REACH Annex XVII) |                                       |  |
|--|---------------------------------------|--|
| Reference code                         | Applicable on                         | Entry title or description   |
| 40.                                    | d-Limonene ; Fir Needle oil, Siberian | Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. |

### REACH Annex XIV (Authorisation List)

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

### REACH Candidate List (SVHC)

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

### PIC Regulation (Prior Informed Consent)

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

### POP Regulation (Persistent Organic Pollutants)

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

### Ozone Regulation (1005/2009)

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

### Explosives Precursors Regulation (2019/1148)

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

### Drug Precursors Regulation (273/2004)

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

## 15.1.2. National regulations

### Germany

Water hazard class (WGK)

: WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).

Storage class (LGK, TRGS 510)

: LGK 12 - Non-combustible liquids.

Joint storage table

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

Joint storage not permitted for

: LGK 1, LGK 6.2, LGK 7.

Joint storage with restrictions permitted for

: LGK 4.1A, LGK 4.3, LGK 5.1C.

Joint storage permitted for

: LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13.

Hazardous Incident Ordinance (12. BImSchV)

: Is not subject of 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

: Triplal (Vertocitral), Fir Needle oil, Siberian, CUPRESSUS FUNEBRIS WOOD OIL are listed

SZW-lijst van mutagene stoffen

: Triplal (Vertocitral), CUPRESSUS FUNEBRIS WOOD OIL are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding

: None of the components are listed

SZW-lijst van reprotoxische stoffen –

: None of the components are listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling

: None of the components are listed

### Denmark

Classification remarks

: 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

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### Switzerland

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

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### 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 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                     |
| Eye 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.                     |
| H314                                | Causes severe skin burns and eye damage.                          |
| H315                                | Causes skin irritation.   |
| H317                                | May cause an allergic skin reaction.                              |
| H319                                | Causes serious eye irritation.                                    |
| H361                                | Suspected of damaging fertility or the unborn child.              |
| H400                                | Very toxic to aquatic life.                                       |
| H410                                | Very toxic to aquatic life with long lasting effects.             |
| H411                                | Toxic to aquatic life with long lasting effects.                  |
| H412                                | Harmful to aquatic life with long lasting effects.                |
| Repr. 2                             | Reproductive toxicity, Category 2                                 |
| Skin Corr. 1                        | Skin corrosion/irritation, Category 1                             |
| 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.