

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

#### 1.1. Product identifier

|                 |                                        |
|-----------------|----------------------------------------|
| Product form    | : Mixture                              |
| Trade name      | : WOODSMOKE & BIRCH FIRESIDE #EU19772F |
| UFI             | : 0HRR-G1WE-K00A-SQRH                  |
| Product code    | : EU19772F                             |
| Type of product | : Perfumes, fragrances                 |
| Product group   | : Trade product                        |

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

##### Relevant identified uses

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

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

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

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazards identification

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

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

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

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

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

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

#### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS07

GHS09

Signal word (CLP)

: Warning

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|                                |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contains                       | : Rosemary Oil; Cedar leaf oil; Cinnamic aldehyde; Eugenol; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone; Amyl cinnamic aldehyde; d-Limonene; COUMARIN; Citral; Hexyl cinnamic aldehyde; Hydroxy; Helional; beta-Caryophyllene; Linalyl acetate; Aldehyde C-16; Triplal (Vertocitral)                                                                                                        |
| Hazard statements (CLP)        | : H317 - May cause an allergic skin reaction.<br>H319 - Causes serious eye irritation.<br>H411 - Toxic to aquatic life with long lasting effects.                                                                                                                                                                                                                                                                        |
| Precautionary statements (CLP) | : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P264 - Wash hands, forearms and face thoroughly after handling.<br>P272 - Contaminated work clothing should not be allowed out of the workplace.<br>P273 - Avoid release to the environment.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.<br>P302+P352 - IF ON SKIN: Wash with plenty of water. |

### 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

### 3.2. Mixtures

| Name                                                                     | Product identifier                                                                                 | %               | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                                                  |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rosemary Oil                                                             | CAS-No.: 8000-25-7<br>EC-No.: 283-291-9                                                            | 1.2 – 2.4       | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1B, H317<br>STOT SE 2, H371<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| Eugenol                                                                  | CAS-No.: 97-53-0<br>EC-No.: 202-589-1<br>REACH-no: 01-2119971802-33                                | 0.925 – 1.875   | Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317                                                                                                           |
| Cinnamic aldehyde                                                        | CAS-No.: 104-55-2<br>EC-No.: 203-213-9<br>EC Index-No.: 606-155-00-6<br>REACH-no: 01-2119935242-45 | 0.905 – 1.81875 | Acute Tox. 4 (Dermal), H312<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1A, H317<br>Aquatic Chronic 3, H412                                                       |
| Cedar leaf oil                                                           | CAS-No.: 8007-20-3<br>EC-No.: 290-370-1<br>REACH-no: 01-2120763401-62                              | 0.9 – 1.8       | Flam. Liq. 3, H226<br>Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411                                      |
| 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone | CAS-No.: 54464-57-2<br>EC-No.: 259-174-3<br>REACH-no: 01-2119489989-04                             | 0.6 – 1.2       | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Chronic 1, H410                                                                                                             |

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| Name                                                                                                            | Product identifier                                                                                  | %                  | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                           |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Dihydromyrcenol                                                                                                 | CAS-No.: 18479-58-8<br>EC-No.: 242-362-4<br>REACH-no: 01-2119457274-37                              | 0.6 – 1.2          | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                                                                                                 |
| Amyl cinnamic aldehyde                                                                                          | CAS-No.: 122-40-7<br>EC-No.: 204-541-5                                                              | 0.6 – 1.2          | Skin Sens. 1B, H317<br>Aquatic Chronic 2, H411                                                                                            |
| Verdorex                                                                                                        | CAS-No.: 88-41-5<br>EC-No.: 201-828-7<br>REACH-no: 01-2119970713-33                                 | 0.6 – 1.2          | Aquatic Chronic 2, H411                                                                                                                   |
| Ethyl vanillin                                                                                                  | CAS-No.: 121-32-4<br>EC-No.: 204-464-7<br>REACH-no: 01-211958961-24                                 | 0.57 – 1.188       | Eye Irrit. 2, H319                                                                                                                        |
| Sandal Mysore Core                                                                                              | CAS-No.: 28219-60-5<br>EC-No.: 248-907-2                                                            | 0.5 – 0.9          | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                             |
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)                              | 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 | 0.5 – 0.9          | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                                                                          |
| (R)-p-mentha-1,8-diene; d-limonene substance with national workplace exposure limit(s) (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 | 0.3 – 0.5015       | 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 |
| COUMARIN                                                                                                        | CAS-No.: 91-64-5<br>EC-No.: 202-086-7<br>REACH-no: 01-2119943756-26                                 | 0.20001 – 0.400015 | Acute Tox. 4 (Oral), H302<br>Skin Sens. 1B, H317                                                                                          |
| citral substance with national workplace exposure limit(s) (BE, ES, IE, PL, PT)                                 | CAS-No.: 5392-40-5<br>EC-No.: 226-394-6<br>EC Index-No.: 605-019-00-3<br>REACH-no: 01-2119462829-23 | 0.2 – 0.35         | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317                                                                           |
| Camphene                                                                                                        | CAS-No.: 79-92-5<br>EC-No.: 201-234-8                                                               | 0.2 – 0.35         | Flam. Sol. 2, H228<br>Eye Irrit. 2, H319<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                              |
| 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  | 0.1 – 0.225        | 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                                | 0.1 – 0.2          | Skin Sens. 1, H317<br>Aquatic Chronic 2, H411                                                                                             |

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| Name                                                                                                      | Product identifier                                                                                  | %              | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                                        |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Linalyl acetate                                                                                           | CAS-No.: 115-95-7<br>EC-No.: 204-116-4<br>REACH-no: 01-2119454789-19                                | 0.1 – 0.1515   | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317                                                                                                        |
| Hydroxy                                                                                                   | CAS-No.: 107-75-5<br>EC-No.: 203-518-7<br>REACH-no: 01-2119973482-31                                | 0.1 – 0.15     | Eye Irrit. 2, H319<br>Skin Sens. 1B, H317                                                                                                                              |
| Helional                                                                                                  | CAS-No.: 1205-17-0<br>EC-No.: 214-881-6<br>EC Index-No.: 605-042-00-9<br>REACH-no: 01-2120740119-58 | 0.1 – 0.15     | Skin Sens. 1B, H317<br>Repr. 2, H361<br>Aquatic Chronic 2, H411                                                                                                        |
| 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                                | 0.1 – 0.15     | Aquatic Chronic 3, H412                                                                                                                                                |
| Aldehyde C-16                                                                                             | CAS-No.: 77-83-8<br>EC-No.: 201-061-8<br>REACH-no: 01-2119967770-28                                 | 0.1 – 0.15     | Skin Sens. 1B, H317<br>Aquatic Chronic 2, H411                                                                                                                         |
| Triplal (Vertocitral)                                                                                     | CAS-No.: 68039-49-6<br>EC-No.: 268-264-1<br>EC Index-No.: 605-043-00-4                              | 0.1 – 0.15     | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412                                                                             |
| beta-Caryophyllene                                                                                        | CAS-No.: 87-44-5<br>EC-No.: 201-746-1<br>REACH-no: 01-2120745237-53                                 | 0.055 – 0.1125 | Asp. Tox. 1, H304<br>Skin Sens. 1B, H317                                                                                                                               |
| .alpha.-Pinene<br>substance with national workplace exposure limit(s)<br>(BE, EE, ES, LT, PT, SE, NO)     | CAS-No.: 80-56-8<br>EC-No.: 201-291-9                                                               | < 0.0015       | Flam. Liq. 3, H226<br>Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| .beta.-Pinene<br>substance with national workplace exposure limit(s)<br>(BE, EE, ES, LT, PT, SE, NO)      | CAS-No.: 127-91-3<br>EC-No.: 204-872-5                                                              | < 0.0015       | Flam. Liq. 3, H226                                                                                                                                                     |

| Specific concentration limits: |                                                                                                    |                                                                                                         |
|--------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Name                           | Product identifier                                                                                 | Specific concentration limits (%)                                                                       |
| Cinnamic aldehyde              | CAS-No.: 104-55-2<br>EC-No.: 203-213-9<br>EC Index-No.: 606-155-00-6<br>REACH-no: 01-2119935242-45 | (0.001 < C < 0.01) EUH208<br>(0.01 ≤ C < 0.1) Skin Sens. 1; H317<br>(0.1 ≤ C < 100) Skin Sens. 1A; H317 |

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

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### 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).                                                                                                                                                                                                                                                                                                                                                                                               |
| 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/.... If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. 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 inhalation   | : May cause an allergic skin reaction.                                                     |
| Symptoms/effects after skin contact | : 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   | : Sand. Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

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

|                                                  |                                                    |
|--------------------------------------------------|----------------------------------------------------|
| Fire hazard                                      | : Combustible liquid.                              |
| Explosion hazard                                 | : May form flammable/explosive vapour-air 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

|                             |                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| General measures            | : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.                                      |
| 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. |

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### 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.                                                                                                                              |

### 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

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional hazards when processed | : Handle empty containers with care because residual vapours are flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                                                                                                                                                                                                        |
| 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 contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. |
| Hygiene measures                  | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.                                                                                                                                                                               |

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

|                            |                                                                                                                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technical measures         | : Proper grounding procedures to avoid static electricity should be followed.                                                                                                                                                                                                                  |
| Storage conditions         | : Keep in fireproof place. 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     | : 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.                                                                                                                                                                                                                                                            |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure and biological limit values

| citral (5392-40-5)                     |       |
|----------------------------------------|-------|
| Ireland - Occupational Exposure Limits |       |
| OEL TWA                                | 5 ppm |

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### citral (5392-40-5)

|          |                     |
|----------|---------------------|
| OEL STEL | 15 ppm (calculated) |
|----------|---------------------|

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

#### Ireland - Occupational Exposure Limits

|          |                     |
|----------|---------------------|
| OEL TWA  | 10 ppm              |
| OEL STEL | 30 ppm (calculated) |

## 8.2. Exposure controls

### Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

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



### Eye and face protection

#### Eye protection:

Chemical goggles or safety glasses. Safety glasses

### Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Wear protective gloves.

### Respiratory protection

#### Respiratory protection:

Wear appropriate mask

### 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              | : Combustible liquid, Not applicable         |
| Lower explosion limit     | : Not available                              |
| Upper explosion limit     | : Not available                              |
| Flash point               | : 89.7 °C                                    |
| Auto-ignition temperature | : Not available                              |

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|                                                 |                                        |
|-------------------------------------------------|----------------------------------------|
| Decomposition temperature                       | : Not available                        |
| pH                                              | : Not available                        |
| Viscosity, kinematic                            | : Not available                        |
| Solubility                                      | : Not soluble in water alone.          |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                        |
| Vapour pressure                                 | : 0.003273216 mm Hg (calculated value) |
| Vapour pressure at 50°C                         | : Not available                        |
| Density                                         | : Not available                        |
| Relative density                                | : 0.981                                |
| Relative vapour density at 20°C                 | : Not available                        |
| Particle characteristics                        | : Not applicable                       |

### 9.2. Other information

#### Other safety characteristics

VOC content : 5.485735 % (calculated value)(CARB VOC) (%w/w)

## 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. Direct sunlight. Heat. Sparks. 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)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### Rosemary Oil (8000-25-7)

|               |                          |
|---------------|--------------------------|
| LD50 oral rat | 5 g/kg (Source: NLM_CIP) |
|---------------|--------------------------|

#### Cedar leaf oil (8007-20-3)

|               |                             |
|---------------|-----------------------------|
| LD50 oral rat | 830 mg/kg (Source: NLM_CIP) |
| LD50 oral     | 830 mg/kg                   |
| LD50 dermal   | 4100 mg/kg                  |

#### Cinnamic aldehyde (104-55-2)

|               |                              |
|---------------|------------------------------|
| LD50 oral rat | 2220 mg/kg (Source: NLM_CIP) |
|---------------|------------------------------|

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| Cinnamic aldehyde (104-55-2)                                                                   |                                  |
|------------------------------------------------------------------------------------------------|----------------------------------|
| LD50 oral                                                                                      | 2220 mg/kg                       |
| LD50 dermal rabbit                                                                             | 1260 mg/kg (Source: EPA_HP V)    |
| LD50 dermal                                                                                    | 1260 mg/kg                       |
| Eugenol (97-53-0)                                                                              |                                  |
| LD50 oral rat                                                                                  | 1930 mg/kg (Source: NZ_CCID)     |
| LD50 oral                                                                                      | 2500 mg/kg bodyweight            |
| LC50 Inhalation - Rat                                                                          | > 2.58 mg/l/4h                   |
| Dihydromyrcenol (18479-58-8)                                                                   |                                  |
| LD50 oral rat                                                                                  | 3600 mg/kg (Source: NLM_CIP)     |
| LD50 oral                                                                                      | 3020 mg/kg                       |
| LD50 dermal rabbit                                                                             | > 5 g/kg (Source: CHEMVIEW)      |
| Amyl cinnamic aldehyde (122-40-7)                                                              |                                  |
| LD50 oral rat                                                                                  | 3730 mg/kg (Source: CHEMVIEW)    |
| LD50 dermal rabbit                                                                             | > 2000 mg/kg (Source: CHEMVIEW)  |
| Ethyl vanillin (121-32-4)                                                                      |                                  |
| LD50 oral rat                                                                                  | 1590 mg/kg (Source: NLM_CIP)     |
| LD50 oral                                                                                      | 3000 mg/kg                       |
| LD50 dermal rat                                                                                | > 2000 mg/kg (Source: ECHA_API)  |
| Verdox (88-41-5)                                                                               |                                  |
| LD50 oral rat                                                                                  | 4600 mg/kg (Source: NLM_CIP)     |
| LD50 oral                                                                                      | 4600 mg/kg                       |
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5) |                                  |
| LD50 oral rat                                                                                  | > 3250 mg/kg (Source: CHEMVIEW)  |
| LD50 dermal rabbit                                                                             | > 3250 mg/kg (Source: CHEMVIEW)  |
| LC50 Inhalation - Rat                                                                          | > 5.04 mg/l/4h                   |
| (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)      |
| COUMARIN (91-64-5)                                                                             |                                  |
| LD50 oral rat                                                                                  | > 5000 mg/kg (Source: JAPAN_GHS) |
| LD50 dermal rat                                                                                | 293 mg/kg (Source: ECHA_API)     |
| citral (5392-40-5)                                                                             |                                  |
| LD50 oral rat                                                                                  | 4960 mg/kg (Source: NLM_CIP)     |
| LD50 dermal rabbit                                                                             | 2250 mg/kg (Source: NLM_CIP)     |
| Camphene (79-92-5)                                                                             |                                  |
| LD50 oral rat                                                                                  | 5600 mg/kg                       |
| LD50 dermal rabbit                                                                             | > 5000 mg/kg                     |

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|                                           |                                                |
|-------------------------------------------|------------------------------------------------|
| <b>benzyl benzoate (120-51-4)</b>         |                                                |
| LD50 oral rat                             | > 2000 mg/kg (Source: ECHA_API)                |
| LD50 oral                                 | 1160 mg/kg                                     |
| LD50 dermal rabbit                        | 4000 mg/kg (Source: NLM_CIP)                   |
| <b>Hexyl cinnamic aldehyde (101-86-0)</b> |                                                |
| LD50 oral rat                             | 3100 mg/kg (Source: NLM_CIP)                   |
| LD50 oral                                 | 3100 mg/kg                                     |
| LD50 dermal rabbit                        | > 3000 mg/kg (Source: EPA_HPVS)                |
| LC50 Inhalation - Rat                     | > 5 mg/l/4h                                    |
| <b>Hydroxy (107-75-5)</b>                 |                                                |
| LD50 oral rat                             | > 6400 mg/kg (Source: ECHA)                    |
| LD50 dermal rabbit                        | > 2000 mg/kg (Source: ECHA_API)                |
| <b>Helional (1205-17-0)</b>               |                                                |
| LD50 dermal rabbit                        | > 2000 mg/kg (Source: ECHA_API)                |
| <b>.alpha.-Pinene (80-56-8)</b>           |                                                |
| LD50 oral rat                             | 3700 mg/kg (Source: NLM_CIP)                   |
| LD50 dermal rat                           | > 5000 mg/kg (Source: CHEMVIEW)                |
| <b>Linalyl acetate (115-95-7)</b>         |                                                |
| LD50 oral rat                             | 14550 mg/kg (Source: EPA_HPVS)                 |
| LD50 dermal rabbit                        | > 5000 mg/kg (Source: ECHA)                    |
| LC50 Inhalation - Rat                     | > 18.94 mg/l (Exposure time: 8 h Source: ECHA) |
| <b>.beta.-Pinene (127-91-3)</b>           |                                                |
| LD50 oral rat                             | > 5000 mg/kg (Source: EPA_HPVS)                |
| LD50 dermal rabbit                        | > 5000 mg/kg (Source: CHEMVIEW)                |
| <b>Benzyl acetate (140-11-4)</b>          |                                                |
| LD50 oral rat                             | 2490 mg/kg (Source: JAPAN_GHS)                 |
| LD50 oral                                 | 2490 mg/kg                                     |
| LD50 dermal rabbit                        | > 5000 mg/kg (Source: JAPAN_GHS)               |
| <b>Aldehyde C-16 (77-83-8)</b>            |                                                |
| LD50 oral rat                             | 5470 mg/kg (Source: NLM_CIP)                   |
| LD50 dermal rat                           | > 2000 mg/kg (Source: ECHA_API)                |
| <b>Triplal (Vertocitral) (68039-49-6)</b> |                                                |
| LD50 oral                                 | 2330 mg/kg                                     |
| Skin corrosion/irritation                 | : Not classified                               |
| 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>Eugenol (97-53-0)</b>                  |                                                |
| IARC group                                | 3 - Not classifiable                           |

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|                                                       |                             |
|-------------------------------------------------------|-----------------------------|
| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b> |                             |
| IARC group                                            | 3 - Not classifiable        |
| <b>COUMARIN (91-64-5)</b>                             |                             |
| IARC group                                            | 3 - Not classifiable        |
| <b>Benzyl acetate (140-11-4)</b>                      |                             |
| IARC group                                            | 3 - Not classifiable        |
| Reproductive toxicity                                 | : Not classified            |
| STOT-single exposure                                  | : Not classified            |
| <b>Rosemary Oil (8000-25-7)</b>                       |                             |
| STOT-single exposure                                  | May cause damage to organs. |
| STOT-repeated exposure                                | : Not classified            |
| Aspiration hazard                                     | : Not classified            |
| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b> |                             |
| Hydrocarbon                                           | Yes                         |
| <b>Camphene (79-92-5)</b>                             |                             |
| Hydrocarbon                                           | Yes                         |
| <b>benzyl benzoate (120-51-4)</b>                     |                             |
| Viscosity, kinematic                                  | 7.456 mm²/s                 |
| <b>beta-Caryophyllene (87-44-5)</b>                   |                             |
| Hydrocarbon                                           | Yes                         |
| <b>.alpha.-Pinene (80-56-8)</b>                       |                             |
| Hydrocarbon                                           | Yes                         |
| <b>.beta.-Pinene (127-91-3)</b>                       |                             |
| Hydrocarbon                                           | Yes                         |

### 11.2. Information on other hazards

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

|                                  |                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Eugenol (97-53-0)</b>         |                                                                                                  |
| LC50 - Fish [1]                  | 13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)                  |
| <b>Ethyl vanillin (121-32-4)</b> |                                                                                                  |
| LC50 - Fish [1]                  | 81.4 – 94.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |

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|                                                                                                       |                                                                                                    |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)</b> |                                                                                                    |
| 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                                                                           |
| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>                                                 |                                                                                                    |
| 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)                           |
| <b>citral (5392-40-5)</b>                                                                             |                                                                                                    |
| EC50 - Crustacea [1]                                                                                  | 7 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                              |
| EC50 72h - Algae [1]                                                                                  | 16 mg/l (Species: Desmodesmus subspicatus)                                                         |
| EC50 96h - Algae [1]                                                                                  | 19 mg/l (Species: Desmodesmus subspicatus)                                                         |
| <b>Camphene (79-92-5)</b>                                                                             |                                                                                                    |
| LC50 - Fish [1]                                                                                       | 0.72 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [flow-through] Source: IUCLID)         |
| LC50 - Fish [2]                                                                                       | 150 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID)                |
| EC50 - Crustacea [1]                                                                                  | 22 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                             |
| EC50 72h - Algae [1]                                                                                  | > 1000 mg/l (Species: Desmodesmus subspicatus)                                                     |
| <b>benzyl benzoate (120-51-4)</b>                                                                     |                                                                                                    |
| LC50 - Fish [1]                                                                                       | 2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)                  |
| NOEC (chronic)                                                                                        | 0.168 mg/l                                                                                         |
| <b>.alpha.-Pinene (80-56-8)</b>                                                                       |                                                                                                    |
| LC50 - Fish [1]                                                                                       | 0.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)             |
| EC50 - Crustacea [1]                                                                                  | 41 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                             |
| <b>Linalyl acetate (115-95-7)</b>                                                                     |                                                                                                    |
| LC50 - Fish [1]                                                                                       | 11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)               |
| <b>Aldehyde C-16 (77-83-8)</b>                                                                        |                                                                                                    |
| LC50 - Fish [1]                                                                                       | 4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: ECHA)           |

### 12.2. Persistence and degradability

|                                                 |                    |
|-------------------------------------------------|--------------------|
| <b>WOODSMOKE &amp; BIRCH FIRESIDE #EU19772F</b> |                    |
| Persistence and degradability                   | Not established.   |
| <b>Rosemary Oil (8000-25-7)</b>                 |                    |
| Persistence and degradability                   | Rapidly degradable |
| <b>Cedar leaf oil (8007-20-3)</b>               |                    |
| Persistence and degradability                   | Rapidly degradable |

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|                                                                                                       |                                                         |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| <b>Cinnamic aldehyde (104-55-2)</b>                                                                   |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>Eugenol (97-53-0)</b>                                                                              |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2)</b>          |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>Dihydromyrcenol (18479-58-8)</b>                                                                   |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>Amyl cinnamic aldehyde (122-40-7)</b>                                                              |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>Ethyl vanillin (121-32-4)</b>                                                                      |                                                         |
| Persistence and degradability                                                                         | Not established.                                        |
| <b>Verdox (88-41-5)</b>                                                                               |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>Sandal Mysore Core (28219-60-5)</b>                                                                |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)</b> |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>                                                 |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>COUMARIN (91-64-5)</b>                                                                             |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>citral (5392-40-5)</b>                                                                             |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>Camphene (79-92-5)</b>                                                                             |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>benzyl benzoate (120-51-4)</b>                                                                     |                                                         |
| Persistence and degradability                                                                         | May cause long-term adverse effects in the environment. |
| <b>Hexyl cinnamic aldehyde (101-86-0)</b>                                                             |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>Hydroxy (107-75-5)</b>                                                                             |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>Helional (1205-17-0)</b>                                                                           |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |
| <b>beta-Caryophyllene (87-44-5)</b>                                                                   |                                                         |
| Persistence and degradability                                                                         | Rapidly degradable                                      |

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|                                                                                                       |                                       |
|-------------------------------------------------------------------------------------------------------|---------------------------------------|
| <b>.alpha.-Pinene (80-56-8)</b>                                                                       |                                       |
| Persistence and degradability                                                                         | Rapidly degradable                    |
| <b>Linalyl acetate (115-95-7)</b>                                                                     |                                       |
| Persistence and degradability                                                                         | Rapidly degradable                    |
| <b>.beta.-Pinene (127-91-3)</b>                                                                       |                                       |
| Persistence and degradability                                                                         | Rapidly degradable                    |
| <b>Benzyl acetate (140-11-4)</b>                                                                      |                                       |
| Persistence and degradability                                                                         | Rapidly degradable                    |
| <b>Aldehyde C-16 (77-83-8)</b>                                                                        |                                       |
| Persistence and degradability                                                                         | Rapidly degradable                    |
| <b>Triplal (Vertocitral) (68039-49-6)</b>                                                             |                                       |
| Persistence and degradability                                                                         | Rapidly degradable                    |
| <b>12.3. Bioaccumulative potential</b>                                                                |                                       |
| <b>WOODSMOKE &amp; BIRCH FIRESIDE #EU19772F</b>                                                       |                                       |
| Bioaccumulative potential                                                                             | Not established.                      |
| <b>Rosemary Oil (8000-25-7)</b>                                                                       |                                       |
| Partition coefficient n-octanol/water (Log Pow)                                                       | $\geq 3.4 - \leq 6.23$ (at 25- 37°C)  |
| <b>Cinnamic aldehyde (104-55-2)</b>                                                                   |                                       |
| Partition coefficient n-octanol/water (Log Pow)                                                       | 2.1065 (at 25 °C)                     |
| <b>Eugenol (97-53-0)</b>                                                                              |                                       |
| Partition coefficient n-octanol/water (Log Pow)                                                       | 1.83 (at 30 °C (at pH 5.5)            |
| <b>1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2)</b>          |                                       |
| Partition coefficient n-octanol/water (Log Pow)                                                       | 5.65 (at 30°C)                        |
| <b>Dihydromyrcenol (18479-58-8)</b>                                                                   |                                       |
| Partition coefficient n-octanol/water (Log Pow)                                                       | 3.25 (at 40 °C (at pH 7)              |
| <b>Amyl cinnamic aldehyde (122-40-7)</b>                                                              |                                       |
| Partition coefficient n-octanol/water (Log Pow)                                                       | 2.498 (at 25 °C (at pH 6.2)           |
| <b>Ethyl vanillin (121-32-4)</b>                                                                      |                                       |
| Partition coefficient n-octanol/water (Log Pow)                                                       | 1.61 (at 25 °C)                       |
| Bioaccumulative potential                                                                             | Not established.                      |
| <b>Sandal Mysore Core (28219-60-5)</b>                                                                |                                       |
| Partition coefficient n-octanol/water (Log Pow)                                                       | 3.8                                   |
| <b>1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)</b> |                                       |
| BCF - Fish [1]                                                                                        | (1618 dimensionless (whole body w.w.) |
| Partition coefficient n-octanol/water (Log Pow)                                                       | 5.3 (at 25 °C (at pH 7)               |

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|                                                       |                                      |
|-------------------------------------------------------|--------------------------------------|
| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b> |                                      |
| Partition coefficient n-octanol/water (Log Pow)       | 4.38 (at 37 °C (at pH 7.2))          |
| <b>COUMARIN (91-64-5)</b>                             |                                      |
| Partition coefficient n-octanol/water (Log Pow)       | ≥ 1.91 – ≤ 1.51 (at 25 °C (at pH 7)) |
| <b>citral (5392-40-5)</b>                             |                                      |
| Partition coefficient n-octanol/water (Log Pow)       | 2.76 (at 25 °C)                      |
| <b>Camphene (79-92-5)</b>                             |                                      |
| Partition coefficient n-octanol/water (Log Pow)       | 4.22 (at 37 °C (at pH 7.2))          |
| <b>benzyl benzoate (120-51-4)</b>                     |                                      |
| Partition coefficient n-octanol/water (Log Pow)       | 3.97 (at 25 °C)                      |
| Bioaccumulative potential                             | Not established.                     |
| <b>Hydroxy (107-75-5)</b>                             |                                      |
| Partition coefficient n-octanol/water (Log Pow)       | 1.68 (at 25 °C)                      |
| <b>Helional (1205-17-0)</b>                           |                                      |
| Partition coefficient n-octanol/water (Log Pow)       | 2.4 (at 25 °C)                       |
| <b>beta-Caryophyllene (87-44-5)</b>                   |                                      |
| Partition coefficient n-octanol/water (Log Pow)       | 6.23 (at 25 °C (at pH 7))            |
| <b>.alpha.-Pinene (80-56-8)</b>                       |                                      |
| Partition coefficient n-octanol/water (Log Pow)       | 4.1                                  |
| <b>Linalyl acetate (115-95-7)</b>                     |                                      |
| Partition coefficient n-octanol/water (Log Pow)       | 3.9 (at 25 °C)                       |
| <b>.beta.-Pinene (127-91-3)</b>                       |                                      |
| Partition coefficient n-octanol/water (Log Pow)       | 4.4 (at 25 °C)                       |
| <b>Benzyl acetate (140-11-4)</b>                      |                                      |
| Partition coefficient n-octanol/water (Log Pow)       | 1.96 (at 25 °C (at pH 7))            |
| <b>Aldehyde C-16 (77-83-8)</b>                        |                                      |
| Partition coefficient n-octanol/water (Log Pow)       | 2.4 (at 25 °C (cis isomer))          |
| <b>Triplal (Vertocitral) (68039-49-6)</b>             |                                      |
| Partition coefficient n-octanol/water (Log Pow)       | 2.6                                  |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

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### 12.7. Other adverse effects

#### WOODSMOKE & BIRCH FIRESIDE #EU19772F

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| Other information                 | Avoid release to the environment. |
| <b>Ethyl vanillin (121-32-4)</b>  |                                   |
| Other information                 | Avoid release to the environment. |
| <b>benzyl benzoate (120-51-4)</b> |                                   |
| Other 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 of contents/container in accordance with local/national laws and regulations.<br>Dispose in a safe manner in accordance with local/national regulations. |
| Additional information                     | : Handle empty containers with care because residual vapours are flammable.                                                                                        |
| Ecological waste information               | : Avoid release to the environment.                                                                                                                                |
| HP Code                                    | : 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. (Rosemary oil)                      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Rosemary oil)                                   | Environmentally hazardous substance, liquid, n.o.s. (Rosemary oil)                  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Rosemary oil)                   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Rosemary oil)                    |
| <b>Transport document description</b>                                                   |                                                                                                      |                                                                                     |                                                                                      |                                                                                       |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Rosemary oil), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Rosemary oil), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Rosemary oil), 9, III  | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Rosemary oil), 9, III   | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Rosemary oil), 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                                                                                   |

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| ADR                                    | IMDG                                                                                                          | IATA                               | ADN                                | RID                                |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| <b>14.5. Environmental hazards</b>     |                                                                                                               |                                    |                                    |                                    |
| Dangerous for the environment: Yes     | Dangerous for the environment: Yes<br>Marine pollutant: Yes<br>EmS-No. (Fire): F-A<br>EmS-No. (Spillage): S-F | 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 |
| 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)

: -

#### 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     |
| 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 |

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Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1  
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  
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

#### EU-Regulations

#### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |                                                                             |                                                                                                                                                                                                                                                                                                          |
|----------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference code                         | Applicable on                                                               | Entry title or description                                                                                                                                                                                                                                                                               |
| 3(a)                                   | Rosemary Oil ; Cedar leaf oil ; d-Limonene ; .alpha.-Pinene ; .beta.-Pinene | 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 |

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| EU restriction list (REACH Annex XVII) |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference code                         | Applicable on                                                                                                                                                                                                                                                                                                                                                                                                                        | Entry title or description                                                                                                                                                                                                                                                                                        |
| 3(b)                                   | WOODSMOKE & BIRCH FIRESIDE #EU19772F ; Rosemary Oil ; Cedar leaf oil ; Cinnamic aldehyde ; Eugenol ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone ; Dihydromyrcenol ; Amyl cinnamic aldehyde ; Sandal Mysore Core ; d-Limonene ; Citral ; Benzyl benzoate ; Hexyl cinnamic aldehyde ; Hydroxy ; Helional ; beta-Caryophyllene ; .alpha.-Pinene ; Linalyl acetate ; Aldehyde C-16 ; 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)                                   | WOODSMOKE & BIRCH FIRESIDE #EU19772F ; Rosemary Oil ; Cedar leaf oil ; Cinnamic aldehyde ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone ; Amyl cinnamic aldehyde ; Verdox ; Sandal Mysore Core ; Hexamethylindanopyran ; d-Limonene ; Benzyl benzoate ; Hexyl cinnamic aldehyde ; Helional ; .alpha.-Pinene ; Benzyl acetate ; Aldehyde C-16 ; 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 class 4.1                                                                                                                                         |

### 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 (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 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 : 5.485735 % (calculated value)(CARB VOC) (%w/w)

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### Explosives Precursors Regulation (EU 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 (EC 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)

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate                                                                         |
| BCF                         | Bioconcentration factor                                                                         |
| BLV                         | Biological limit value                                                                          |
| BOD                         | Biochemical oxygen demand (BOD)                                                                 |
| COD                         | Chemical oxygen demand (COD)                                                                    |
| DMEL                        | Derived Minimal Effect level                                                                    |
| DNEL                        | Derived-No Effect Level                                                                         |
| EC-No.                      | European Community number                                                                       |
| EC50                        | Median effective concentration                                                                  |
| EN                          | European Standard                                                                               |
| IARC                        | International Agency for Research on Cancer                                                     |
| IATA                        | International Air Transport Association                                                         |
| IMDG                        | International Maritime Dangerous Goods                                                          |
| LC50                        | Median lethal concentration                                                                     |
| LD50                        | Median lethal dose                                                                              |
| LOAEL                       | Lowest Observed Adverse Effect Level                                                            |
| NOAEC                       | No-Observed Adverse Effect Concentration                                                        |
| NOAEL                       | No-Observed Adverse Effect Level                                                                |
| NOEC                        | No-Observed Effect Concentration                                                                |
| OECD                        | Organisation for Economic Co-operation and Development                                          |
| OEL                         | Occupational Exposure Limit                                                                     |
| PBT                         | Persistent Bioaccumulative Toxic                                                                |
| PNEC                        | Predicted No-Effect Concentration                                                               |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail                    |
| SDS                         | Safety Data Sheet                                                                               |
| STP                         | Sewage treatment plant                                                                          |
| ThOD                        | Theoretical oxygen demand (ThOD)                                                                |
| TLM                         | Median Tolerance Limit                                                                          |

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### Abbreviations and acronyms:

|         |                                          |
|---------|------------------------------------------|
| VOC     | Volatile Organic Compounds               |
| CAS-No. | Chemical Abstract Service number         |
| N.O.S.  | Not Otherwise Specified                  |
| vPvB    | Very Persistent and Very Bioaccumulative |
| ED      | Endocrine disruptor                      |

Other information : None.

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

|                       |                                                                                                                          |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4                                                                                      |
| Acute Tox. 4 (Oral)   | Acute toxicity (oral), Category 4                                                                                        |
| Aquatic Acute 1       | Hazardous to the aquatic environment – Acute Hazard, Category 1                                                          |
| Aquatic Chronic 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                                                                                            |
| EUH208                | Contains {0 message≤name of sensitising substance> fieldvalue=_SENSITIZER_COMPONENTS}. May produce an allergic reaction. |
| Eye Dam. 1            | Serious eye damage/eye irritation, Category 1                                                                            |
| Eye Irrit. 2          | Serious eye damage/eye irritation, Category 2                                                                            |
| Flam. Liq. 3          | Flammable liquids, Category 3                                                                                            |
| Flam. Sol. 2          | Flammable solids, Category 2                                                                                             |
| Repr. 2               | Reproductive toxicity, Category 2                                                                                        |
| Skin Irrit. 2         | Skin corrosion/irritation, Category 2                                                                                    |
| Skin Sens. 1          | Skin sensitisation, Category 1                                                                                           |
| Skin Sens. 1A         | Skin sensitisation, category 1A                                                                                          |
| Skin Sens. 1B         | Skin sensitisation, category 1B                                                                                          |
| STOT SE 2             | Specific target organ toxicity – Single exposure, Category 2                                                             |
| H226                  | Flammable liquid and vapour.                                                                                             |
| H228                  | Flammable solid.                                                                                                         |
| H302                  | Harmful if swallowed.                                                                                                    |
| H304                  | May be fatal if swallowed and enters airways.                                                                            |
| H312                  | Harmful in contact with skin.                                                                                            |
| H315                  | Causes skin irritation.                                                                                                  |
| H317                  | May cause an allergic skin reaction.                                                                                     |
| H318                  | Causes serious eye damage.                                                                                               |
| H319                  | Causes serious eye irritation.                                                                                           |
| H361                  | Suspected of damaging fertility or the unborn child.                                                                     |
| H371                  | May cause damage to organs.                                                                                              |
| H400                  | Very toxic to aquatic life.                                                                                              |

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| Full text of H- and EUH-statements: |                                                       |
|-------------------------------------|-------------------------------------------------------|
| 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.    |

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.