



DE HEKSERIJ

# EO Rosemary CT Camphor

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 2/14/2024 Revision date: 3/25/2026 Supersedes version of: 2/14/2024 Version: 2.0

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

#### 1.1. Product identifier

|                               |  |
|-------------------------------|--|
| Product form                  | : Substance (UVCB)   |
| Substance name                | : EO Rosemary CT Camphor   |
| IUPAC name                    | : Rosemary, ext.   |
| EC-No.                        | : 283-291-9  |
| CAS-No.                       | : 84604-14-8   |
| REACH registration No.        | : 01-2120086955-39   |
| Product code                  | : 20126  |
| Product group                 | : Trade product  |
| Other means of identification | : Essential oil of Rosmarinus officinalis L. (Lamiaceae) obtained from leaves, flowers and twigs by steam distillation |

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

##### Relevant identified uses

|                              |                                  |
|------------------------------|----------------------------------|
| Intended for general public  |                                  |
| Main use category            | : Consumer use, Professional use |
| Use of the substance/mixture | : Fragrance raw material         |

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

De Hekserij  
Sporstraat 57  
8271 RG IJsselmuiden  
Nederland  
T +31 383 557 927  
[hekserij@hekserij.nl](mailto:hekserij@hekserij.nl), [www.hekserij.nl](http://www.hekserij.nl)

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

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

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

|   |      |
|---|------|
| Flammable liquids, Category 3                                     | H226 |
| Serious eye damage/eye irritation, Category 2                     | H319 |
| Skin sensitisation, category 1B                                   | H317 |
| Specific target organ toxicity – Single exposure, Category 2      | H371 |
| Aspiration hazard, Category 1                                     | H304 |
| 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

Flammable liquid and vapour. May cause damage to organs. May cause an allergic skin reaction. Causes serious eye irritation. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Hazard pictograms (CLP)



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|                                |   |
|--------------------------------|---|
| Signal word (CLP)              | : Danger  |
| Hazard statements (CLP)        | : H226 - Flammable liquid and vapour.<br>H304 - May be fatal if swallowed and enters airways.<br>H317 - May cause an allergic skin reaction.<br>H319 - Causes serious eye irritation.<br>H371 - May cause damage to organs (central nervous system) (oral).<br>H411 - Toxic to aquatic life with long lasting effects.  |
| Precautionary statements (CLP) | : P102 - Keep out of reach of children.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.<br>No smoking.<br>P233 - Keep container tightly closed.<br>P260 - Do not breathe vapours, fume, spray.<br>P270 - Do not eat, drink or smoke when using this product.<br>P273 - Avoid release to the environment.<br>P280 - Wear protective gloves, protective clothing, eye protection, face protection.<br>P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER.<br>P302+P352 - IF ON SKIN: Wash with plenty of soap and water.<br>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P308+P311 - IF exposed or concerned: Call doctor, a POISON CENTER.<br>P331 - Do NOT induce vomiting.<br>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.<br>P337+P313 - If eye irritation persists: Get medical advice/attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse.<br>P391 - Collect spillage.<br>P403+P235 - Store in a well-ventilated place. Keep cool.<br>P405 - Store locked up.<br>P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| Extra phrases                  | : Fragrance allergens (Cosmetics):<br>ALPHA-TERPINENE 0,627<br>BENZALDEHYDE 0,003<br>BETA-CARYOPHYLLENE 2,798<br>BETA-PINENES 2,786<br>CAMPHOR 24<br>CARVONE 0,014<br>CITRONELLOL 0,033<br>EUGENOL 0,011<br>LINALOOL 0,831<br>LINALYL ACETATE 0,014<br>PINENE 25<br>ROSE KETONE-4 0,002<br>TERPINOLENE 0,677.   |

### 2.3. Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

|                |                          |
|----------------|--------------------------|
| Substance type | : UVCB                   |
| Name           | : EO Rosemary CT Camphor |
| CAS-No.        | : 84604-14-8             |
| EC-No.         | : 283-291-9              |

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| Name                   | Product identifier   | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|------------------------|--|---------|--|
| EO Rosemary CT Camphor | CAS-No.: 84604-14-8<br>EC-No.: 283-291-9<br>REACH-no: 01-2120086955-39 | 100     | See Section 2.1  |
| Camphor                | CAS-No.: 76-22-2<br>EC-No.: 200-945-0                                  | 20 – 50 | Flam. Sol. 2, H228<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332<br>STOT SE 2, H371  |
| alpha-Pinene           | CAS-No.: 80-56-8<br>EC-No.: 201-291-9                                  | 20 – 50 | 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 |
| Eucalyptol             | CAS-No.: 470-82-6<br>EC-No.: 207-431-5                                 | 20 – 50 | Flam. Liq. 3, H226<br>Skin Sens. 1B, H317  |
| Camphene               | CAS-No.: 79-92-5<br>EC-No.: 201-234-8                                  | 5 – 10  | Flam. Sol. 1, H228<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| beta-Pinene            | CAS-No.: 127-91-3<br>EC-No.: 204-872-5                                 | 1 – 5   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304  |
| d-Limonene             | CAS-No.: 5989-27-5<br>EC-No.: 227-813-5<br>EC Index-No.: 601-096-00-2  | 1 – 5   | 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 1, H410                              |
| Myrcene                | CAS-No.: 123-35-3<br>EC-No.: 204-622-5                                 | 1 – 5   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| beta-Caryophyllene     | CAS-No.: 87-44-5<br>EC-No.: 201-746-1                                  | 1 – 5   | Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| dl-Borneol             | CAS-No.: 507-70-0<br>EC-No.: 208-080-0                                 | 1 – 5   | Flam. Sol. 2, H228<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 2, H371  |
| alpha-Terpineol        | CAS-No.: 98-55-5<br>EC-No.: 202-680-6<br>REACH-no: 01-2119980717-23    | 1 – 5   | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319  |

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| Name             | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|------------------|---|---------|--|
| para-Cymene      | CAS-No.: 99-87-6<br>EC-No.: 202-796-7<br>EC Index-No.: 601-094-00-1 | 1 – 5   | Flam. Liq. 3, H226<br>Acute Tox. 3 (Inhalation:dust,mist), H331<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411                    |
| gamma-Terpinene  | CAS-No.: 99-85-4<br>EC-No.: 202-794-6                               | 1 – 5   | Flam. Liq. 3, H226<br>Repr. 2, H361<br>Aquatic Chronic 2, H411   |
| Linalool         | CAS-No.: 78-70-6<br>EC-No.: 201-134-4<br>EC Index-No.: 603-235-00-2 | 0.1 – 1 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317   |
| Terpinolene      | CAS-No.: 586-62-9<br>EC-No.: 209-578-0                              | 0.1 – 1 | Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                       |
| 4-Carvomenthenol | CAS-No.: 562-74-3<br>EC-No.: 209-235-5                              | 0.1 – 1 | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Chronic 3, H412                                  |
| alpha-Terpinene  | CAS-No.: 99-86-5<br>EC-No.: 202-795-1<br>EC Index-No.: 601-095-00-7 | 0.1 – 1 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Oral), H302<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411              |
| delta-3-Carene   | CAS-No.: 13466-78-9<br>EC-No.: 236-719-3                            | 0.1 – 1 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304  |
| Oct-1-ene-3-ol   | CAS-No.: 3391-86-4<br>EC-No.: 222-226-0                             | 0.1 – 1 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Acute 1, H400 |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Call a physician immediately.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.                                 |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Do not induce vomiting. Call a physician immediately.  |
| Self protection of the first-aider    | : First aid workers will be equipped with suitable personal protective equipment.  |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : None under normal conditions.        |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : Eye irritation.                      |
| Symptoms/effects after ingestion    | : Risk of lung oedema.                 |

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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

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

Fire hazard : Flammable liquid and vapour.  
Explosion hazard : No direct explosion hazard.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.  
Absorb spillage to prevent material damage.

#### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

#### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.  
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

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|                               |  |
|-------------------------------|--|
| Precautions for safe handling | : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. |
| Hygiene measures              | : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.  |

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

|                     |  |
|---------------------|--|
| Technical measures  | : Ground/bond container and receiving equipment.   |
| Storage conditions  | : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. |
| Packaging materials | : Always store product in container of same material as original container.                    |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protection equipment

##### Personal protective equipment:

Wear recommended personal protective equipment.

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



#### Eye and face protection

##### Eye protection:

Safety glasses

#### Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves

#### Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment.

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### SECTION 9: Physical and chemical properties

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

|   |                                     |
|---|-------------------------------------|
| Physical state                                  | : Liquid                            |
| Colour  | : Colourless. Green. light yellow.  |
| Odour   | : Not available                     |
| Odour threshold                                 | : Not available                     |
| Melting point                                   | : < -20 °C                          |
| Freezing point                                  | : Not available                     |
| Boiling point                                   | : 158 – 210 °C                      |
| Flammability                                    | : Flammable liquid and vapour.      |
| Lower explosion limit                           | : Not available                     |
| Upper explosion limit                           | : Not available                     |
| Flash point                                     | : 47.3 °C                           |
| Auto-ignition temperature                       | : Not available                     |
| Decomposition temperature                       | : Not available                     |
| pH  | : Not available                     |
| Viscosity, kinematic                            | : 6 mm <sup>2</sup> /s Temp.: 40 °C |
| Solubility                                      | : Not available                     |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                     |
| Vapour pressure                                 | : 225.23 Pa Temp.: 25 °C            |
| Vapour pressure at 50°C                         | : Not available                     |
| Density   | : Not available                     |
| Relative density                                | : 0.895 – 0.92                      |
| Relative vapour density at 20°C                 | : Not available                     |
| Particle characteristics                        | : Not applicable                    |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Flammable liquid and vapour.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

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

### SECTION 11: Toxicological information

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

|                             |                   |
|-----------------------------|-------------------|
| Acute toxicity (oral)       | : Not classified  |
| Acute toxicity (dermal)     | : Not classified  |
| Acute toxicity (inhalation) | : Not classified. |

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| EO Rosemary CT Camphor (84604-14-8) |  |
|-------------------------------------|--|
| LD50 oral rat                       | 5000 mg/kg   |
| Camphor (76-22-2)                   |  |
| LD50 dermal rat                     | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)   |
| LC50 Inhalation - Rat               | > 10 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)   |
| alpha-Pinene (80-56-8)              |  |
| LD50 dermal rat                     | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)) |
| Camphene (79-92-5)                  |  |
| LD50 dermal rabbit                  | > 2000 mg/kg bodyweight Animal: rabbit   |
| d-Limonene (5989-27-5)              |  |
| LD50 oral rat                       | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)        |
| Myrcene (123-35-3)                  |  |
| LD50 oral rat                       | > 11390 mg/kg bodyweight Animal: rat   |
| LD50 oral                           | > 3380 mg/kg bodyweight Animal: mouse  |
| LD50 dermal rabbit                  | > 5000 mg/l Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)  |
| beta-Caryophyllene (87-44-5)        |  |
| LD50 oral                           | > 5000 mg/kg bodyweight Animal: mouse, Animal sex: male, Remarks on results: not determinable due to absence of adverse toxic effects          |
| dl-Borneol (507-70-0)               |  |
| LD50 dermal rat                     | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)   |
| LC50 Inhalation - Rat               | 0.5 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)  |
| alpha-Terpineol (98-55-5)           |  |
| LD50 oral rat                       | 4300 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2900 - 5700                  |
| LD50 dermal rat                     | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)   |
| para-Cymene (99-87-6)               |  |
| LD50 dermal rabbit                  | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: other:  |
| gamma-Terpinene (99-85-4)           |  |
| LD50 oral rat                       | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)        |
| LD50 dermal rat                     | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)   |
| Linalool (78-70-6)                  |  |
| LD50 oral rat                       | 2790 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2440 - 3180                                    |
| LD50 oral                           | 3120 mg/kg bodyweight Animal: mouse, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2620 - 3620                                  |

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| <b>Linalool (78-70-6)</b>           |   |
|-------------------------------------|---|
| LD50 dermal rabbit                  | 5610 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 3578 - 8374  |
| <b>Terpinolene (586-62-9)</b>       |   |
| LD50 oral rat                       | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)   |
| LD50 dermal rat                     | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)  |
| <b>4-Carvomenthenol (562-74-3)</b>  |   |
| LD50 oral rat                       | 1300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)  |
| LD50 dermal rabbit                  | 2500 – 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:  |
| <b>alpha-Terpinene (99-86-5)</b>    |   |
| LD50 dermal rat                     | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)  |
| <b>Oct-1-ene-3-ol (3391-86-4)</b>   |   |
| LD50 oral rat                       | 175 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), 95% CL: 87 - 426  |
| 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  |
| Reproductive toxicity               | : Reproductive toxicity: Not classified.  |
| <b>d-Limonene (5989-27-5)</b>       |   |
| NOAEL (animal/female, F0/P)         | 600 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other:   |
| <b>gamma-Terpinene (99-85-4)</b>    |   |
| NOAEL (animal/male, F1)             | 250 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)   |
| NOAEL (animal/female, F1)           | 100 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| STOT-single exposure                | : May cause damage to organs (central nervous system) (oral).   |
| <b>Camphor (76-22-2)</b>            |   |
| STOT-single exposure                | May cause damage to organs.   |
| <b>dl-Borneol (507-70-0)</b>        |   |
| STOT-single exposure                | May cause damage to organs.   |
| STOT-repeated exposure              | : Not classified  |
| <b>Camphor (76-22-2)</b>            |   |
| NOAEL (oral, rat, 90 days)          | 3.2 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)   |
| NOAEL (dermal, rat/rabbit, 90 days) | 250 mg/kg bodyweight Animal: rat, Guideline: other:   |

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| <b>Eucalyptol (470-82-6)</b>                              |   |
|---|---|
| NOAEL (oral, rat, 90 days)                                | 600 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other., Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3150 (90-Day Oral Toxicity in Non-rodents) |
| <b>Myrcene (123-35-3)</b>                                 |   |
| LOAEL (oral, rat, 90 days)                                | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)   |
| NOAEL (subchronic, oral, animal/male, 90 days)            | 500 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)   |
| NOAEL (subchronic, oral, animal/female, 90 days)          | 250 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)   |
| <b>dl-Borneol (507-70-0)</b>                              |   |
| NOAEL (oral, rat, 90 days)                                | 3.2 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)   |
| NOAEL (dermal, rat/rabbit, 90 days)                       | 250 mg/kg bodyweight Animal: rat, Guideline: other:   |
| <b>alpha-Terpineol (98-55-5)</b>                          |   |
| NOAEL (oral, rat, 90 days)                                | ≥ 314 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)   |
| <b>Linalool (78-70-6)</b>                                 |   |
| NOAEL (dermal, rat/rabbit, 90 days)                       | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)  |
| Aspiration hazard   | : May be fatal if swallowed and enters airways.   |
| <b>EO Rosemary CT Camphor (84604-14-8)</b>                |   |
| Viscosity, kinematic                                      | 6 mm <sup>2</sup> /s Temp.: 40 °C   |
| <b>11.2. Information on other hazards</b>                 |   |
| No additional information available                       |   |
| <b>SECTION 12: Ecological information</b>                 |   |
| <b>12.1. Toxicity</b>                                     |   |
| Ecology - general   | : Toxic to aquatic life with long lasting effects.  |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified  |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects.  |
| <b>EO Rosemary CT Camphor (84604-14-8)</b>                |   |
| LC50 - Fish [1]   | 3.9 mg/l  |
| EC50 - Crustacea [1]                                      | 4.7 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]                                      | 5.6 mg/l  |
| <b>Camphor (76-22-2)</b>                                  |   |
| LC50 - Fish [1]   | 33.25 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)   |
| EC50 - Crustacea [1]                                      | 4.23 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]                                      | 0.3 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)  |

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| <b>Camphor (76-22-2)</b>            |  |
|-------------------------------------|--|
| EC50 72h - Algae [2]                | 1.71 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)    |
| <b>alpha-Pinene (80-56-8)</b>       |  |
| LC50 - Fish [1]                     | 0.303 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)  |
| EC50 - Crustacea [1]                | 0.475 mg/l Test organisms (species): Daphnia magna   |
| <b>Eucalyptol (470-82-6)</b>        |  |
| LC50 - Fish [1]                     | 57 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)   |
| EC50 - Crustacea [1]                | > 100 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]                | > 74 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)    |
| EC50 96h - Algae [1]                | > 74 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)    |
| <b>Camphene (79-92-5)</b>           |  |
| LC50 - Fish [1]                     | 0.72 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)   |
| EC50 - Crustacea [1]                | 0.72 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]                | 1.75 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)    |
| <b>d-Limonene (5989-27-5)</b>       |  |
| LC50 - Fish [1]                     | 720 µg/l Test organisms (species): Pimephales promelas   |
| LC50 - Fish [2]                     | 702 µg/l Test organisms (species): Pimephales promelas   |
| EC50 - Crustacea [1]                | 0.307 mg/l Test organisms (species): Daphnia magna   |
| EC50 - Crustacea [2]                | 0.51 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]                | 0.32 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)    |
| EC50 72h - Algae [2]                | 0.214 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)   |
| <b>Myrcene (123-35-3)</b>           |  |
| EC50 - Crustacea [1]                | 1.47 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]                | 0.342 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)   |
| EC50 72h - Algae [2]                | 0.31 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)    |
| <b>beta-Caryophyllene (87-44-5)</b> |  |
| EC50 - Crustacea [1]                | > 0.17 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]                | > 0.033 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| <b>dl-Borneol (507-70-0)</b>        |  |
| LC50 - Fish [1]                     | 33.25 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)  |
| EC50 - Crustacea [1]                | 4.23 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]                | 0.3 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)     |

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| <b>dl-Borneol (507-70-0)</b>       |  |
|------------------------------------|--|
| EC50 72h - Algae [2]               | 1.71 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)  |
| <b>alpha-Terpineol (98-55-5)</b>   |  |
| LC50 - Fish [1]                    | 70 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)   |
| EC50 - Crustacea [1]               | 73 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]               | ≈ 68 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)  |
| EC50 72h - Algae [2]               | ≈ 17 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)  |
| <b>para-Cymene (99-87-6)</b>       |  |
| LC50 - Fish [1]                    | 48 mg/l Test organisms (species): Cyprinodon variegatus  |
| EC50 - Crustacea [1]               | 3.7 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]               | 4.03 mg/l Test organisms (species): Scenedesmus capricornutum  |
| EC50 72h - Algae [2]               | 2.01 mg/l Test organisms (species): Scenedesmus capricornutum  |
| <b>gamma-Terpinene (99-85-4)</b>   |  |
| EC50 - Crustacea [1]               | 10.19 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]               | > 10.82 mg/l Test organisms (species): Scenedesmus capricornutum   |
| <b>Linalool (78-70-6)</b>          |  |
| LC50 - Fish [1]                    | 27.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)   |
| EC50 - Crustacea [1]               | 59 mg/l Test organisms (species): Daphnia magna  |
| EC50 96h - Algae [1]               | 88.3 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                       |
| EC50 96h - Algae [2]               | 156.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                      |
| <b>Terpinolene (586-62-9)</b>      |  |
| LC50 - Fish [1]                    | 0.805 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)  |
| EC50 - Crustacea [1]               | 0.634 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]               | 11.69 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| <b>4-Carvomenthenol (562-74-3)</b> |  |
| LC50 - Fish [1]                    | 15.6 mg/l Test organisms (species):  |
| EC50 - Other aquatic organisms [1] | 26.6 mg/l Test organisms (species):  |
| <b>alpha-Terpinene (99-86-5)</b>   |  |
| LC50 - Fish [1]                    | 3150 µg/l Test organisms (species): Pimephales promelas  |
| EC50 - Crustacea [1]               | 1.7 mg/l Test organisms (species): Daphnia magna   |
| <b>Oct-1-ene-3-ol (3391-86-4)</b>  |  |
| EC50 - Crustacea [1]               | 8.02 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]               | 7.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)  |

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### 12.2. Persistence and degradability

#### EO Rosemary CT Camphor (84604-14-8)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### Camphor (76-22-2)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

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

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### Eucalyptol (470-82-6)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### Camphene (79-92-5)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### beta-Pinene (127-91-3)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### d-Limonene (5989-27-5)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### Myrcene (123-35-3)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### beta-Caryophyllene (87-44-5)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### dl-Borneol (507-70-0)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### alpha-Terpineol (98-55-5)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### para-Cymene (99-87-6)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### gamma-Terpinene (99-85-4)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

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

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### Terpinolene (586-62-9)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### 4-Carvomenthenol (562-74-3)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### alpha-Terpinene (99-86-5)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### delta-3-Carene (13466-78-9)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

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### Oct-1-ene-3-ol (3391-86-4)

Persistence and degradability | Not rapidly degradable

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.  
Additional information : Flammable vapours may accumulate in the container. Do not re-use empty containers.

## 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 1197   | UN 1197   | UN 1197  | UN 1197  | UN 1197  |
| <b>14.2. UN proper shipping name</b>  |   |  |  |  |
| EXTRACTS, LIQUID (EO Rosemary CT Camphor)   | EXTRACTS, LIQUID (EO Rosemary CT Camphor)   | Extracts, liquid (EO Rosemary CT Camphor)  | EXTRACTS, LIQUID (EO Rosemary CT Camphor)  | EXTRACTS, LIQUID (EO Rosemary CT Camphor)  |
| <b>Transport document description</b>   |   |  |  |  |
| UN 1197 EXTRACTS, LIQUID (EO Rosemary CT Camphor), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS | UN 1197 EXTRACTS, LIQUID (EO Rosemary CT Camphor), 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1197 Extracts, liquid (EO Rosemary CT Camphor), 3, III, ENVIRONMENTALLY HAZARDOUS | UN 1197 EXTRACTS, LIQUID (EO Rosemary CT Camphor), 3, III, ENVIRONMENTALLY HAZARDOUS | UN 1197 EXTRACTS, LIQUID (EO Rosemary CT Camphor), 3, III, ENVIRONMENTALLY HAZARDOUS |
| <b>14.3. Transport hazard class(es)</b>   |   |  |  |  |
| 3   | 3   | 3  | 3  | 3  |
|   |   |  |  |  |

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| ADR                                    | IMDG  | IATA                               | ADN                                | RID                                |
|--|---|------------------------------------|------------------------------------|------------------------------------|
| <b>14.4. Packing group</b>             |   |                                    |                                    |                                    |
| III                                    | III   | III                                | III                                | III                                |
| <b>14.5. Environmental hazards</b>     |   |                                    |                                    |                                    |
| Dangerous for the environment: Yes     | Dangerous for the environment: Yes<br>Marine pollutant: Yes<br>EmS-No. (Fire): F-E<br>EmS-No. (Spillage): S-D | 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)                                 | : F1  |
| Special provisions (ADR)                                  | : 601   |
| Limited quantities (ADR)                                  | : 5I  |
| Excepted quantities (ADR)                                 | : E1  |
| Packing instructions (ADR)                                | : P001, IBC03, LP01, R001   |
| Mixed packing provisions (ADR)                            | : MP19  |
| Portable tank and bulk container instructions (ADR)       | : T2  |
| Portable tank and bulk container special provisions (ADR) | : TP1   |
| Tank code (ADR)   | : LGBF  |
| Vehicle for tank carriage                                 | : FL  |
| Transport category (ADR)                                  | : 3   |
| Special provisions for carriage - Packages (ADR)          | : V12   |
| Special provisions for carriage - Operation (ADR)         | : S2  |
| Hazard identification number (Kemler No.)                 | : 30  |
| Orange plates   | :  |
| Tunnel restriction code (ADR)                             | : D/E   |

#### Transport by sea

|                                    |  |
|------------------------------------|--|
| Special provisions (IMDG)          | : 223, 955   |
| Limited quantities (IMDG)          | : 5 L  |
| Excepted quantities (IMDG)         | : E1   |
| Packing instructions (IMDG)        | : P001, LP01   |
| IBC packing instructions (IMDG)    | : IBC03  |
| Tank instructions (IMDG)           | : T2   |
| Tank special provisions (IMDG)     | : TP1  |
| Stowage category (IMDG)            | : A  |
| Properties and observations (IMDG) | : Usually consist of alcoholic solutions. Miscibility with water depends upon the composition. |

#### Air transport

|  |        |
|--|--------|
| PCA Excepted quantities (IATA)               | : E1   |
| PCA Limited quantities (IATA)                | : Y344 |
| PCA limited quantity max net quantity (IATA) | : 10L  |
| PCA packing instructions (IATA)              | : 355  |
| PCA max net quantity (IATA)                  | : 60L  |
| CAO packing instructions (IATA)              | : 366  |
| CAO max net quantity (IATA)                  | : 220L |
| Special provisions (IATA)                    | : A3   |
| ERG code (IATA)                              | : 3L   |

#### Inland waterway transport

|                           |      |
|---------------------------|------|
| Classification code (ADN) | : F1 |
|---------------------------|------|

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|                                   |             |
|-----------------------------------|-------------|
| Special provisions (ADN)          | : 601       |
| Limited quantities (ADN)          | : 5 L       |
| Excepted quantities (ADN)         | : E1        |
| Equipment required (ADN)          | : PP, EX, A |
| Ventilation (ADN)                 | : VE01      |
| Number of blue cones/lights (ADN) | : 0         |

### Rail transport

|   |                           |
|---|---------------------------|
| Classification code (RID)                                 | : F1                      |
| Special provisions (RID)                                  | : 601                     |
| Limited quantities (RID)                                  | : 5L                      |
| Excepted quantities (RID)                                 | : E1                      |
| Packing instructions (RID)                                | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (RID)                            | : MP19                    |
| Portable tank and bulk container instructions (RID)       | : T2                      |
| Portable tank and bulk container special provisions (RID) | : TP1                     |
| Tank codes for RID tanks (RID)                            | : LGBF                    |
| Transport category (RID)                                  | : 3                       |
| Special provisions for carriage – Packages (RID)          | : W12                     |
| Colis express (express parcels) (RID)                     | : CE4                     |
| Hazard identification number (RID)                        | : 30                      |

### 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)                                   | EO Rosemary CT<br>Camphor ; alpha-Pinene ;<br>Eucalyptol ; beta-Pinene ;<br>d-Limonene ; Myrcene ;<br>para-Cymene ; gamma-<br>Terpinene ; alpha-<br>Terpinene ; delta-3-<br>Carene   | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F          |
| 3(b)                                   | EO Rosemary CT<br>Camphor ; alpha-Pinene ;<br>Eucalyptol ; beta-Pinene ;<br>d-Limonene ; Myrcene ;<br>beta-Caryophyllene ;<br>alpha-Terpineol ; para-<br>Cymene ; gamma-<br>Terpinene ; Linalool ;<br>Terpinolene ; 4-<br>Carvomenthenol ; alpha-<br>Terpinene ; delta-3-<br>Carene ; Oct-1-ene-3-ol | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |

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| EU restriction list (REACH Annex XVII) |   |   |
|--|---|---|
| Reference code                         | Applicable on   | Entry title or description  |
| 3(c)                                   | EO Rosemary CT<br>Camphor ; alpha-Pinene ;<br>d-Limonene ; Myrcene ;<br>beta-Caryophyllene ;<br>para-Cymene ; gamma-<br>Terpinene ; Terpinolene ;<br>4-Carvomenthenol ;<br>alpha-Terpinene ; Oct-1-<br>ene-3-ol | 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)

Not 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)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

### 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

### 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)

### National regulations

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : EO Rosemary CT Camphor is listed  
SZW-lijst van mutagene stoffen : EO Rosemary CT Camphor is listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed  
SZW-lijst van reprotoxische stoffen –  
Vruchtbaarheid : The substance is not listed  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ACGIH                       | American Conference of Governmental Industrial Hygienists                                       |
| 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   |

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| Abbreviations and acronyms: |  |
|-----------------------------|--|
| BLV                         | Biological limit value   |
| BOD                         | Biochemical oxygen demand (BOD)  |
| CAS-No.                     | Chemical Abstracts Service number  |
| CLP                         | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  |
| COD                         | Chemical oxygen demand (COD)   |
| CSA                         | Chemical safety assessment   |
| DMEL                        | Derived Minimal Effect level   |
| DNEL                        | Derived-No Effect Level  |
| EC-No.                      | European Community number  |
| EC50                        | Median effective concentration   |
| ED                          | Endocrine disruptor  |
| EN                          | European Standard  |
| EWC                         | European waste catalogue   |
| 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   |
| Log Kow                     | Partition coefficient n-octanol/water (Log Kow)                              |
| Log Pow                     | Partition coefficient n-octanol/water (Log Pow)                              |
| MAK                         | maximum workplace concentration  |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level   |
| NOEC                        | No-Observed Effect Concentration   |
| N.O.S.                      | Not Otherwise Specified  |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| OSHA                        | Occupational Safety Health Administration                                    |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| PPE                         | Personal protection equipment  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| TF                          | Technical function   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| TWA                         | Time Weighted Average  |

# EO Rosemary CT Camphor

## Safety Data Sheet

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

### Abbreviations and acronyms:

|      |  |
|------|--|
| VOC  | Volatile Organic Compounds               |
| vPvB | Very Persistent and Very Bioaccumulative |
| UFI  | Unique Formula Identifier                |

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

|  |   |
|--|---|
| Acute Tox. 3<br>(Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 3                  |
| Acute Tox. 4 (Inhalation)              | Acute toxicity (inhal.), Category 4                               |
| Acute Tox. 4<br>(Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4                  |
| Acute Tox. 4 (Oral)                    | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1                        | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 1                      | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2                      | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3                      | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Asp. Tox. 1                            | Aspiration hazard, Category 1                                     |
| Eye Dam. 1                             | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2                           | Serious eye damage/eye irritation, Category 2                     |
| Flam. Liq. 3                           | Flammable liquids, Category 3                                     |
| Flam. Sol. 1                           | Flammable solids, Category 1                                      |
| 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. 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.                     |
| H315                                   | Causes skin irritation.   |
| H317                                   | May cause an allergic skin reaction.                              |
| H318                                   | Causes serious eye damage.  |
| H319                                   | Causes serious eye irritation.                                    |
| H331                                   | Toxic if inhaled.   |
| H332                                   | Harmful if inhaled.   |
| H361                                   | Suspected of damaging fertility or the unborn child.              |
| H371                                   | May cause damage to organs (central nervous system) (oral).       |
| H400                                   | Very toxic to aquatic life.                                       |
| H410                                   | Very toxic to aquatic life with long lasting effects.             |

# EO Rosemary CT Camphor

## Safety Data Sheet

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

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

|      |  |
|------|--|
| H411 | Toxic to aquatic life with long lasting effects.   |
| H412 | Harmful to aquatic life with long lasting effects. |

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.