

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 12/2/2021 Version: 1.0

| SECTION 1: I   | dentification of the substan   | ce/mixtu   | re and of the compa       | ny/undertaking                    |                           |
|--|--|------------|---------------------------|-----------------------------------|---------------------------|
| 1.1. Product in  | dentifier  |            |                           |                                   |                           |
| Product form : Mixture   |  |            |                           |                                   |                           |
| Product name   | Product name : ORANGE FLAVOUR OR-10  |            |                           |                                   |                           |
| Product code   |  |            |                           |                                   |                           |
| 1.2. Relevant  | 1.2. Relevant identified uses of the substance or mixture and uses advised against |            |                           |                                   |                           |
| 1.2.1. Relevant  | identified uses  |            |                           |                                   |                           |
| Main use catego  | ory  | : Industr  | ial use, Professional use |                                   |                           |
| 1.2.2. Uses adv  | ised against   |            |                           |                                   |                           |
| No additional in   | nformation available   |            |                           |                                   |                           |
| 1.3. Details of  | f the supplier of the safety data  | sheet      |                           |                                   |                           |
| FR- 06130 GRASSE<br>FRANCE<br>T 04.93.36.22.22 - F 04.93.40.71.72<br>reglementaire@selectarome.com |  |            |                           |                                   |                           |
| 1.4. Emergency telephone number  |  |            |                           |                                   |                           |
| Country  | Country Organisation/Company Address Emergency number Comment                      |            |                           |                                   |                           |
| ORFILA +33 1 45 42 59 59   |  |            |                           |                                   |                           |
| SECTION 2: Hazards identification  |  |            |                           |                                   |                           |
|  | tion of the substance or mixtur  | e          |                           |                                   |                           |
| Classification a   | ccording to Regulation (EC) No. 12   | 72/2008 [C | LP]                       |                                   |                           |
| Skin corrosion/irritation, Category 2 H315   |  |            |                           |                                   |                           |
| Skin sensitisatio  | Skin sensitisation, Category 1 H317  |            |                           |                                   |                           |
| Aspiration hazard, Category 1 H304   |  |            |                           |                                   |                           |
| Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411                             |  |            |                           |                                   |                           |
| Full text of H- a  | nd EUH-statements: see section 16  |            |                           |                                   |                           |
| Causes skin irrit<br>effects.  | ochemical, human health and envi<br>tation. May cause an allergic skin re          |            |                           | nd enters airways. Toxic to aquat | ic life with long lasting |
| 2.2. Label eler  | ments  |            |                           |                                   |                           |

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) GHS07 GHS08 GHS09 Signal word (CLP) : Danger Contains : (R)-p-mentha-1,8-diene; d-limonene Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects. Precautionary statements (CLP) : P261 - Avoid breathing vapours. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves, protective clothing, eye protection, face protection. P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor. Do

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NOT induce vomiting. P321 - Specific treatment (see supplemental first aid instruction on this label). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P391 - Collect spillage.

#### 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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

#### **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

## Not applicable

| 3.2. Mixtures   |   |           |   |
|---|---|-----------|---|
| Name  | Product identifier  | %         | Classification according to<br>Regulation (EC) No. 1272/2008<br>[CLP]   |
| (R)-p-mentha-1,8-diene; d-limonene                                      | CAS-No.: 5989-27-5<br>EC-No.: 227-813-5<br>EC Index-No.: 601-029-00-7 | 10 - 12   | 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                                | 0,1 - 0,9 | 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 2, H411  |
| ethyl acetate<br>substance with a Community workplace exposure<br>limit | CAS-No.: 141-78-6<br>EC-No.: 205-500-4<br>EC Index-No.: 607-022-00-5  | < 0.1     | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066   |

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: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash<br>occurs: Get medical advice/attention. |                        |  |  |
| First-aid measures after eye contact : Rinse eyes with water as a precaution.  |                        |  |  |
| First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.   |                        |  |  |
| 4.2. Most important symptoms and effects, both acute and delayed   |                        |  |  |
| Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.   |                        |  |  |
| Symptoms/effects after ingestion   | : Risk of lung oedema. |  |  |
| 4.3. Indication of any immediate medical attention and special treatment needed  |                        |  |  |
|  |                        |  |  |

Treat symptomatically.

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| SECTION 5: Firefighting media         Suitable extinguishing media         Suitable extinguishing media         Suitable extinguishing media         S.2. Special hazards arising from the substance or mixture         Hazardous decomposition products in case of fire       : Toxic fumes may be released.         S.3. Advice for firefighters         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contain breathing apparatus. Complete protective clothing.         SECTION 6: Accidental release measures         6.1. Personal precautions, protective equipment and emergency procedures         6.1.1. For non-emergency personnel         Emergency procedures       : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.         6.1.2. For emergency responders         Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.3. Methods and material for containment and cleaning up       For containment         6.4. Reference to other sections       : Dispose of materials or solid residues at an authorized site.         6.4. Reference to other sections       : Dispose of materials or solid residues at an authorized site.         6.4. Reference to other sections       : Dispose of materials or solid residues at an authorized site.  |
|--|
| Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. 5.2. Special hazards arising from the substance or mixture Hazardous decomposition products in case of fire : Toxic furmes may be released. 5.3. Advice for firefighters Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contain breathing apparatus. Complete protective clothing. SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures 6.1.1. For non-emergency personnel Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. 6.1.2. For emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". 6.3. Methods and material for containment and cleaning up For containment up Collect spillage. Methods for cleaning up Containment is Collect spillage. 6.4. Reference to other sections For further information refer to section 13. SECTION 7: Handling and storage Precautions for safe handling Frecautions for safe handling   |
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|  |
|  |
| Hygiene measures       : Wash contaminated clothing before reuse. Contaminated work clothing should no allowed out of the workplace. Do not eat, drink or smoke when using this product.         Always wash hands after handling the product.   |
| 7.2. Conditions for safe storage, including any incompatibilities  |
| Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.   |
| 7.3. Specific end use(s)   |
| No additional information available  |
|  |

| SE  | CTION 8: Exposure c  | ontrois/persona | l protection |
|-----|----------------------|-----------------|--------------|
| 8.1 | . Control parameters |                 |              |

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

| ethyl acetate (141-78-6)                           |                        |  |
|--|------------------------|--|
| EU - Indicative Occupational Exposure Limit (IOEL) |                        |  |
| Local name   | Ethyl acetate          |  |
| IOEL TWA   | 734 mg/m <sup>3</sup>  |  |
| IOEL TWA [ppm]                                     | 200 ppm                |  |
| IOEL STEL  | 1468 mg/m <sup>3</sup> |  |
| IOEL STEL [ppm]                                    | 400 ppm                |  |

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| ethyl acetate (141-78-6)   |                                    |
|--|------------------------------------|
| Regulatory reference   | COMMISSION DIRECTIVE (EU) 2017/164 |
| 8.1.2. Recommended monitoring procedures<br>No additional information available      |                                    |
| 8.1.3. Air contaminants formed<br>No additional information available                |                                    |
| 8.1.4. DNEL and PNEC<br>No additional information available                          |                                    |
| 8.1.5. Control banding<br>No additional information available                        |                                    |
| 8.2. Exposure controls   |                                    |
| 8.2.1. Appropriate engineering controls  |                                    |
| Appropriate engineering controls:<br>Ensure good ventilation of the work station.    |                                    |
| 8.2.2. Personal protection equipment   |                                    |
| Personal protective equipment symbol(s):   |                                    |
|  |                                    |
| 8.2.2.1. Eye and face protection   |                                    |
| Eye protection:  |                                    |
| Safety glasses   |                                    |
| 8.2.2.2. Skin protection   |                                    |
| Skin and body protection:  |                                    |
| Wear suitable protective clothing  |                                    |
|  |                                    |
| Hand protection:   |                                    |
| Protective gloves  |                                    |
| 8.2.2.3. Respiratory protection  |                                    |
| Respiratory protection:<br>In case of insufficient ventilation, wear suitable respir | ratory equipment                   |
| 8.2.2.4. Thermal hazards<br>No additional information available                      |                                    |
| 8.2.3. Environmental exposure controls   |                                    |
| Environmental exposure controls:   |                                    |

Avoid release to the environment.

| SECTION 9: Physical and chemical properties                |                   |  |
|--|-------------------|--|
| 9.1. Information on basic physical and chemical properties |                   |  |
| Physical state   | : Liquid          |  |
| Colour   | : Yellow Orange.  |  |
| Odour  | : characteristic. |  |
| Odour threshold  | : Not available   |  |

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| Melting point                                   | : Not available      |
|---|----------------------|
| Freezing point                                  | : Not available      |
| Boiling point                                   | : Not available      |
| Flammability                                    | : Not available      |
| Explosive limits                                | : Not available      |
| Lower explosion limit                           | : Not available      |
| Upper explosion limit                           | : Not available      |
| Flash point                                     | : > 60 °C            |
| Auto-ignition temperature                       | : Not available      |
| Decomposition temperature                       | : Not available      |
| рН  | : Not available      |
| Viscosity, kinematic                            | : Not available      |
| Solubility                                      | : soluble in water.  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available      |
| Vapour pressure                                 | : Not available      |
| Vapour pressure at 50 °C                        | : Not available      |
| Density   | : Not available      |
| Relative density                                | : 1.13 (1.11 – 1.15) |
| Relative vapour density at 20 °C                | : Not available      |
| Particle characteristics                        | : Not applicable     |
| 0.2 Other information                           |                      |

#### 9.2. Other information

9.2.1. Information with regard to physical hazard classes No additional information available

9.2.2. Other safety characteristics

No additional information available

| SECTION 10: Stability and reactivity   |
|--|
| 10.1. Reactivity   |
| The product is non-reactive under normal conditions of use, storage and transport.                   |
| 10.2. Chemical stability   |
| Stable under normal conditions.  |
| 10.3. Possibility of hazardous reactions   |
| No dangerous reactions known under normal conditions of use.   |
| 10.4. Conditions to avoid  |
| None under recommended storage and handling conditions (see section 7).                              |
| 10.5. Incompatible materials   |
| No additional information available  |
| 10.6. Hazardous decomposition products   |
| Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|  |
| SECTION 11. Toxicological information  |

| SECTION 11: Toxicological information  |  |  |
|--|--|--|
| 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 |  |  |
| Acute toxicity (oral)  | : Not classified (Based on available data, the classification criteria are not met)  |  |
| Acute toxicity (dermal)  | : Not classified (Based on available data, the classification criteria are not met)  |  |
| Acute toxicity (inhalation)  | : Not classified (Based on available data, the classification criteria are not met)  |  |
| (R)-p-mentha-1,8-diene; d-limonene (5989-2                                     | 7-5)   |  |
| LD50 oral rat  | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline<br>423 (Acute Oral toxicity - Acute Toxic Class Method) |  |

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| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)                           |  |  |  |
|--|--|--|--|
| LD50 dermal rabbit   | > 5000 mg/kg Source: National Library of Medicine  |  |  |
| 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/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)  |  |  |
| ethyl acetate (141-78-6)   |  |  |  |
| LD50 oral rat  | 11.3 ml/kg Source: ECHA  |  |  |
| LD50 oral  | 4934 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 401 (Acute Oral Toxicity)  |  |  |
| LD50 dermal rabbit   | > 20000 mg/kg bodyweight Animal: rabbit, Animal sex: male  |  |  |
| Skin corrosion/irritation  | · Causes skin irritation.  |  |  |
| Serious eye damage/irritation  | : Not classified (Based on available data, the classification criteria are not met)  |  |  |
| Respiratory or skin sensitisation : May cause an allergic skin reaction. |  |  |  |
| Germ cell mutagenicity   | : Not classified (Based on available data, the classification criteria are not met)  |  |  |
| Carcinogenicity  | : Not classified (Based on available data, the classification criteria are not met)  |  |  |
| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)                           |  |  |  |
| IARC group   | 3 - Not classifiable   |  |  |
| Reproductive toxicity  | : Not classified (Based on available data, the classification criteria are not met)  |  |  |
| STOT-single exposure   | : Not classified (Based on available data, the classification criteria are not met)  |  |  |
| ethyl acetate (141-78-6)   |  |  |  |
| STOT-single exposure   | May cause drowsiness or dizziness.   |  |  |
| STOT-repeated exposure   | Not classified (Based on available data, the classification criteria are not met)  |  |  |
| myrcene (123-35-3)   |  |  |  |
| LOAEL (oral, rat, 90 days)   | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-<br>Day Oral Toxicity in Rodents)                      |  |  |
| NOAEL (subchronic, oral, animal/male, 90 days)                           | 500 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline<br>408 (Repeated Dose 90-Day Oral Toxicity in Rodents)   |  |  |
| NOAEL (subchronic, oral, animal/female, 90 days)                         | 250 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: OECD Guideline<br>408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |  |  |
| ethyl acetate (141-78-6)   |  |  |  |
| LOAEL (oral, rat, 90 days)   | 3600 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)   |  |  |
| NOAEL (oral, rat, 90 days)   | 900 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)  |  |  |
| Aspiration hazard : May be fatal if swallowed and enters airways.        |  |  |  |
| 11.2. Information on other hazards                                       |  |  |  |

No additional information available

| SECTION 12: Ecological information |  |
|------------------------------------|--|
| 12.1. Toxicity                     |  |
| Ecology - general                  | : Toxic to aquatic life with long lasting effects. |

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| Hazardous to the aquatic environment, short-<br>term (acute)  | : Not classified   |
|---|--|
| Hazardous to the aquatic environment, long-<br>term (chronic) | : Toxic to aquatic life with long lasting effects.   |
| Not rapidly degradable  |  |
| (R)-p-mentha-1,8-diene; d-limonene (5989-2                    | 7-5)   |
| 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]  | 0.36 mg/l Test organisms (species): Daphnia magna  |
| EC50 - Crustacea [2]  | 0.51 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]  | 8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name:<br>Scenedesmus subspicatus)   |
| EC50 72h - Algae [2]  | 0.214 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names:<br>Raphidocelis subcapitata, Selenastrum capricornutum)        |
| NOEC (chronic)  | 0.115 mg/l Test organisms (species): other:For freshwater invertebrates, species frequently include Daphnia magna or Daphnia pulex. Duration: '16 d' |
| myrcene (123-35-3)  |  |
| LC50 - Fish [1]   | 0.92 mg/l Source: NITE   |
| 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:<br>Raphidocelis subcapitata, Selenastrum capricornutum)        |
| EC50 72h - Algae [2]  | 0.31 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names:<br>Raphidocelis subcapitata, Selenastrum capricornutum)         |
| ethyl acetate (141-78-6)                                      |  |
| LC50 - Fish [1]   | 230 mg/l Test organisms (species): Pimephales promelas   |
| NOEC (chronic)  | 2.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |
| 12.2. Persistence and degradability                           |  |
| No additional information available                           |  |
| 12.3. Bioaccumulative potential                               |  |
| (R)-p-mentha-1,8-diene; d-limonene (5989-2                    | 7-5)   |
| Partition coefficient n-octanol/water (Log Pow)               | 4.38 Source: ECHA Registered substances  |
| myrcene (123-35-3)  |  |
| Partition coefficient n-octanol/water (Log Pow)               | 4.17   |
| ethyl acetate (141-78-6)                                      | 1  |
| Partition coefficient n-octanol/water (Log Pow)               | 0.73 Source: ICSC  |
| 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                           |  |

No additional information available

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#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

#### Waste treatment methods

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

| SECTION 14: Transport<br>n accordance with ADR / IMI  |  |                                    |
|---|--|------------------------------------|
| ADR   | IMDG   | ΙΑΤΑ                               |
| 14.1. UN number or ID nu  | umber  |                                    |
| UN 3082   | UN 3082  | UN 3082                            |
| 14.2. UN proper shipping  | name   |                                    |
| ENVIRONMENTALLY<br>HAZARDOUS SUBSTANCE,<br>LIQUID, N.O.S. (d-limonen)                             | ENVIRONMENTALLY<br>HAZARDOUS SUBSTANCE<br>LIQUID, N.O.S. (d-limoner  | ,                                  |
| Transport document descrip  | otion  |                                    |
| UN 3082<br>ENVIRONMENTALLY<br>HAZARDOUS SUBSTANCE,<br>LIQUID, N.O.S. (d-<br>limonen), 9, III, (-) | UN 3082<br>ENVIRONMENTALLY<br>HAZARDOUS SUBSTANCE<br>LIQUID, N.O.S. (d-<br>limonen), 9, III, MARINE<br>POLLUTANT |                                    |
| 14.3. Transport hazard cl   | ass(es)  |                                    |
| 9   | 9  | 9                                  |
|   |  |                                    |
| 14.4. Packing group   |  |                                    |
| III   | III  | 111                                |
| 14.5. Environmental haza  | ards   |                                    |
| Dangerous for the environment: Yes  | Dangerous for the<br>environment: Yes<br>Marine pollutant: Yes   | Dangerous for the environment: Yes |
| No supplementary informati  | ion available  |                                    |
| 4.6. Special precautions  | for user   |                                    |
| <b>Dverland transport</b>   |  |                                    |
| Classification code (ADR)   | : N  | Лб                                 |
| Special provisions (ADR)  | : 2  | 74, 335, 375, 601                  |
| imited quantities (ADR)   | : 5  | i                                  |
| excepted quantities (ADR)   | : E  | 1                                  |
| Packing instructions (ADR)  | : F  | 2001, IBC03, LP01, R001            |
| pecial packing provisions (Al   |  | P1                                 |
|   |  | ЛР19                               |
| Portable tank and bulk conta<br>ADR)  |  |                                    |
| Portable tank and bulk contain  | iner special : T   | P1, TP29                           |
| provisions (ADR)  |  |                                    |

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|  | ed by Regulation (EO) 2020/070 |
|--|--------------------------------|
| Vehicle for tank carriage  | : AT                           |
| Transport category (ADR)   | : 3                            |
| Special provisions for carriage - Packages (ADR)                           | : V12                          |
| Special provisions for carriage - Loading,<br>unloading and handling (ADR) | : CV13                         |
| Hazard identification number (Kemler No.)                                  | : 90                           |
| Orange plates  | 90<br>3082                     |
| Tunnel restriction code (ADR)  | : -                            |
| EAC code   | : •3Z                          |
|  |                                |
| Transport by sea   |                                |
| Special provisions (IMDG)  | : 274, 335, 969                |
| Limited quantities (IMDG)  | : 5 L                          |
| Excepted quantities (IMDG)   | : E1                           |
| Packing instructions (IMDG)  | : LP01, P001                   |
| Special packing provisions (IMDG)  | : PP1                          |
| IBC packing instructions (IMDG)  | : IBC03                        |
| Tank instructions (IMDG)   | : T4                           |
| Tank special provisions (IMDG)   | : TP1, TP29                    |
| EmS-No. (Fire)   | : F-A                          |
| EmS-No. (Spillage)   | : S-F                          |
| Stowage category (IMDG)  | : A                            |
|  |                                |
| Air transport  |                                |
| PCA Excepted quantities (IATA)   | : E1                           |
| PCA Limited quantities (IATA)  | : Y964                         |
| PCA limited quantity max net quantity (IATA)                               | : 30kgG                        |
| PCA packing instructions (IATA)  | : 964                          |
| PCA max net quantity (IATA)  | : 450L                         |
| CAO packing instructions (IATA)  | : 964                          |
| CAO max net quantity (IATA)  | : 450L                         |
| Special provisions (IATA)  | : A97, A158, A197, A215        |
| ERG code (IATA)  | : 9L                           |
| 14.7 Maritima transport in bulk according to                               | INAO instruments               |

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

Not applicable

### **SECTION 15: Regulatory information**

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

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Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

#### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

| SECTION 16: Other in        | 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   |  |  |
| ΙΑΤΑ                        | 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   |  |  |
| РВТ                         | 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)  |  |  |

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| Abbreviations and acronyms: |  |
|-----------------------------|--|
| TLM                         | Median Tolerance Limit                   |
| VOC                         | Volatile Organic Compounds               |
| CAS-No.                     | Chemical Abstract Service number         |
| N.O.S.                      | Not Otherwise Specified                  |
| vPvB                        | Very Persistent and Very Bioaccumulative |
| ED                          | Endocrine disrupting properties          |

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| 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      |
| Asp. Tox. 1                         | Aspiration hazard, Category 1  |
| EUH066                              | Repeated exposure may cause skin dryness or cracking.                  |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                          |
| Flam. Liq. 2                        | Flammable liquids, Category 2  |
| Flam. Liq. 3                        | Flammable liquids, Category 3  |
| H225                                | Highly flammable liquid and vapour.                                    |
| H226                                | Flammable liquid and vapour.   |
| H304                                | May be fatal if swallowed and enters airways.                          |
| H315                                | Causes skin irritation.  |
| H317                                | May cause an allergic skin reaction.                                   |
| H319                                | Causes serious eye irritation.   |
| H336                                | May cause drowsiness or dizziness.                                     |
| H400                                | Very toxic to aquatic life.  |
| H410                                | Very toxic to aquatic life with long lasting effects.                  |
| H411                                | Toxic to aquatic life with long lasting effects.                       |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                                  |
| Skin Sens. 1B                       | Skin sensitisation, category 1B  |
| STOT SE 3                           | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| Cafaty Data Chaat (CDC)             |  |

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.