



TULIP GARDEN

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 12/2/2019 Revision date: 12/27/2024 Supersedes version of: 12/12/2023 Version: 2.1

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

1.1. Product identifier

| | |
|-----------------|------------------------|
| Product form | : Mixture |
| Trade name | : TULIP GARDEN |
| UFI | : R4W0-C1UY-E002-U0P6 |
| Product code | : Parf_Tulip_Garden |
| Type of product | : Perfumes, fragrances |
| Product group | : Trade product |

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

1.2.1. Relevant identified uses

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

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

BAKED GAMES SRL
ROMANIA, BUCHAREST, SECTOR 4
+40771326626
contact@kitlumanari.ro | www.kitlumanari.ro

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

| | |
|---|------|
| Acute toxicity (oral), Category 4 | H302 |
| Serious eye damage/eye irritation, Category 2 | H319 |
| Skin sensitisation, Category 1 | H317 |
| Hazardous to the aquatic environment – Acute Hazard, Category 1 | H400 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 2 | H411 |

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

Adverse physicochemical, human health and environmental effects

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

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2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

GHS09

Signal word (CLP) :

Warning

Contains :

benzyl benzoate; Phenylethyl alcohol; Linalool; Amyl cinnamic aldehyde; Isocyclocitral; Elemi oil; Eugenol; 3-(2,2-dimethyl-3-hydroxypropyl)toluene; (alt.): 2,2-dimethyl-3-(3-methylphenyl)propanol; Hydroxy; Cinnamic alcohol; Citronellol Pure; citral; Adoxal; Triplal (Vertocitral)

Hazard statements (CLP) :

H302 - Harmful if swallowed.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Extra phrases :

For professional users only.

2.3. Other hazards

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

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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------|--|--------------|---|
| benzyl benzoate | CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371-33 | 35.2 – 70.33 | Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |
| Phenylethyl alcohol | CAS-No.: 60-12-8 EC-No.: 200-456-2 REACH-no: 01-2119963921-31 | 2 – 4 | Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 |
| Linalool | CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-42 | 1.5 – 2.9 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|----------------------|--|
| Verdyl acetate | CAS-No.: 5413-60-5 EC-No.: 226-501-6 | 1.3 – 2.65 | Aquatic Chronic 3, H412 |
| Amyl cinnamic aldehyde | CAS-No.: 122-40-7 EC-No.: 204-541-5 | 1 – 2 | Skin Sens. 1B, H317 Aquatic Chronic 2, H411 |
| Isocyclocitral | CAS-No.: 1335-66-6 EC-No.: 215-638-7 | 0.8 – 1.5 | Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 |
| Terpineol | CAS-No.: 8000-41-7 EC-No.: 232-268-1 | 0.8 – 1.5 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| Elemi oil | CAS-No.: 8023-89-0 | 0.8 – 1.5 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Eugenol | CAS-No.: 97-53-0 EC-No.: 202-589-1 REACH-no: 01-2119971802-33 | 0.6 – 1.1 | Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| 3-(2,2-dimethyl-3-hydroxypropyl)toluene; (alt.): 2,2-dimethyl-3-(3-methylphenyl)propanol | CAS-No.: 103694-68-4 EC-No.: 403-140-4 EC Index-No.: 603-138-00-5 | 0.006 – 1.1 | Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| Amyl salicylate | CAS-No.: 2050-08-0 EC-No.: 218-080-2 REACH-no: 01-2119969444-27 | 0.5 – 0.9 | Acute Tox. 4 (Oral), H302 Aquatic Chronic 1, H410 |
| Cinnamic alcohol | CAS-No.: 104-54-1 EC-No.: 203-212-3 REACH-no: 01-2119934496-29 | 0.4 – 0.85 | Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317 |
| Carbitol substance with national workplace exposure limit(s) (AT, DE, EE, SE, SI, CH) | CAS-No.: 111-90-0 EC-No.: 203-919-7 REACH-no: 01-2119475105-42 | 0.43398 – 0.79563 | Not classified |
| Camphor substance with national workplace exposure limit(s) (AT, BE, BG, DK, ES, FI, FR, GB, GR, HR, IE, LT, PL, PT, RO, SK, NO, CH) | CAS-No.: 76-22-2 EC-No.: 200-945-0 | 0.3 – 0.6 | Flam. Sol. 2, H228 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 2, H371 Aquatic Chronic 2, H411 |
| Citronellol Pure | CAS-No.: 106-22-9 EC-No.: 203-375-0 REACH-no: 01-2119453995-23 | 0.3 – 0.6 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| citral substance with national workplace exposure limit(s) (BE, ES, IE, PL, PT) | CAS-No.: 5392-40-5 EC-No.: 226-394-6 EC Index-No.: 605-019-00-3 REACH-no: 01-2119462829-23 | 0.2 – 0.4 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|-------------------|--|
| Adoxal | CAS-No.: 141-13-9 EC-No.: 205-460-8 REACH-no: 01-2120139915-49 | 0.2 – 0.4 | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Sens. 1B, H317 |
| Hydroxy | CAS-No.: 107-75-5 EC-No.: 203-518-7 REACH-no: 01-2119973482-31 | 0.24644 – 0.38514 | Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| Triplal (Vertocitral) | CAS-No.: 68039-49-6 EC-No.: 268-264-1 | 0.1 – 0.2363 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| Alcohol C-10 substance with national workplace exposure limit(s) (BG, DE, LT, LV, RO, CH) | CAS-No.: 112-30-1 EC-No.: 203-956-9 | 0 – 0.021 | Aquatic Chronic 3, H412 |
| Aldehyde C-6 substance with national workplace exposure limit(s) (FI, PL) | CAS-No.: 66-25-1 EC-No.: 200-624-5 | 0 – 0.0053 | Flam. Liq. 3, H226 |
| Caproic acid substance with national workplace exposure limit(s) (BG, LT, LV) | CAS-No.: 142-62-1 EC-No.: 205-550-7 | 0 – 0.0003 | Eye Dam. 1, H318 Skin Corr. 1C, H314 |
| butyric acid substance with national workplace exposure limit(s) (BG, LT, LV, RO) | CAS-No.: 107-92-6 EC-No.: 203-532-3 EC Index-No.: 607-135-00-X | 0 – 0.0001 | Skin Corr. 1B, H314 |

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

SECTION 4: First aid measures

4.1. Description of first aid measures

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

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

| | |
|-------------------------------------|--|
| Symptoms/effects | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Eye irritation. |

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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. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Ventilate area.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. No open flames. No smoking. Avoid contact with skin and eyes. Wear personal protective equipment.

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Hygiene measures : Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Wash hands thoroughly after handling. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

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

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

Storage temperature : 25 °C

Storage area : Store in a well-ventilated place. Store away from heat.

Special rules on packaging : Store in a closed container.

Packaging materials : Do not store in corrodable metal.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| Carbitol (111-90-0) | |
|--|---|
| Austria - Occupational Exposure Limits | |
| MAK (OEL TWA) | 35 mg/m ³ |
| | 6 ppm |
| MAK (OEL STEL) | 140 mg/m ³ |
| | 24 ppm |
| Estonia - Occupational Exposure Limits | |
| OEL TWA | 50.1 mg/m ³ |
| | 10 ppm |
| OEL chemical category | Skin notation |
| Germany - Occupational Exposure Limits (TRGS 900) | |
| AGW (OEL TWA) | 35 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| | 6 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Slovenia - Occupational Exposure Limits | |
| OEL TWA | 35 mg/m ³ |
| | 6 ppm |
| OEL STEL | 70 mg/m ³ |
| | 12 ppm |
| Sweden - Occupational Exposure Limits | |
| NGV (OEL TWA) | 80 mg/m ³ |
| | 15 ppm |
| KGV (OEL STEL) | 170 mg/m ³ |

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| Carbitol (111-90-0) | |
|---|---|
| | 30 ppm |
| OEL chemical category | Skin notation |
| Switzerland - Occupational Exposure Limits | |
| MAK (OEL TWA) | 50 mg/m ³ (aerosol, inhalable dust, vapour) |
| KZGW (OEL STEL) | 100 mg/m ³ (aerosol, inhalable dust, vapour) |
| Camphor (76-22-2) | |
| Austria - Occupational Exposure Limits | |
| MAK (OEL TWA) | 13 mg/m ³ |
| | 2 ppm |
| Belgium - Occupational Exposure Limits | |
| OEL TWA | 12 mg/m ³ |
| | 2 ppm |
| OEL STEL | 19 mg/m ³ |
| | 3 ppm |
| Bulgaria - Occupational Exposure Limits | |
| OEL TWA | 12 mg/m ³ |
| OEL STEL | 18 mg/m ³ |
| Croatia - Occupational Exposure Limits | |
| GVI (OEL TWA) | 13 mg/m ³ |
| | 2 ppm |
| KGVI (OEL STEL) | 19 mg/m ³ |
| | 3 ppm |
| Denmark - Occupational Exposure Limits | |
| OEL TWA | 12 mg/m ³ |
| | 2 ppm |
| OEL STEL | 24 mg/m ³ |
| | 4 ppm |
| Finland - Occupational Exposure Limits | |
| HTP (OEL TWA) | 1.9 mg/m ³ |
| | 0.3 ppm |
| HTP (OEL STEL) | 5.7 mg/m ³ |
| | 0.9 ppm |
| France - Occupational Exposure Limits | |
| VME (OEL TWA) | 12 mg/m ³ |
| | 2 ppm |
| Greece - Occupational Exposure Limits | |
| OEL TWA | 12 mg/m ³ (inhalable fraction) |
| OEL STEL | 18 mg/m ³ |

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| Camphor (76-22-2) | |
|--|---|
| Ireland - Occupational Exposure Limits | |
| OEL TWA | 12 mg/m ³ |
| | 2 ppm |
| OEL STEL | 18 mg/m ³ |
| | 3 ppm |
| Lithuania - Occupational Exposure Limits | |
| IPRV (OEL TWA) | 3 mg/m ³ |
| Poland - Occupational Exposure Limits | |
| NDS (OEL TWA) | 12 mg/m ³ |
| NDSch (OEL STEL) | 18 mg/m ³ |
| Portugal - Occupational Exposure Limits | |
| OEL TWA | 2 ppm |
| OEL STEL | 3 ppm |
| OEL chemical category | A4 - Not Classifiable as a Human Carcinogen |
| Romania - Occupational Exposure Limits | |
| OEL TWA | 1 mg/m ³ |
| | 6 ppm |
| OEL STEL | 3 mg/m ³ |
| | 18 ppm |
| Slovakia - Occupational Exposure Limits | |
| NPHV (OEL TWA) | 13 mg/m ³ |
| | 2 ppm |
| NPHV (OEL C) | 26 mg/m ³ |
| Spain - Occupational Exposure Limits | |
| VLA-ED (OEL TWA) | 13 mg/m ³ |
| | 2 ppm |
| VLA-EC (OEL STEL) | 19 mg/m ³ |
| | 3 ppm |
| United Kingdom - Occupational Exposure Limits | |
| WEL TWA (OEL TWA) | 13 mg/m ³ |
| | 2 ppm |
| WEL STEL (OEL STEL) | 19 mg/m ³ |
| | 3 ppm |
| Norway - Occupational Exposure Limits | |
| Grenseverdi (OEL TWA) | 12 mg/m ³ |
| | 2 ppm |
| Korttidsverdi (OEL STEL) | 18 mg/m ³ (value calculated) |
| | 4 ppm (value calculated) |

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| Camphor (76-22-2) | |
|--|---|
| Switzerland - Occupational Exposure Limits | |
| MAK (OEL TWA) | 13 mg/m ³ (aerosol, vapour) |
| | 2 ppm (aerosol, vapour) |
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH OEL TWA | 2 ppm (synthetic) |
| ACGIH OEL STEL | 3 ppm (synthetic) |
| ACGIH chemical category | Not Classifiable as a Human Carcinogen synthetic |
| citral (5392-40-5) | |
| Belgium - Occupational Exposure Limits | |
| OEL TWA | 32 mg/m ³ (vapor and aerosol) |
| | 5 ppm (vapor and aerosol) |
| OEL chemical category | Skin |
| Ireland - Occupational Exposure Limits | |
| OEL TWA | 5 ppm |
| OEL STEL | 15 ppm (calculated) |
| Poland - Occupational Exposure Limits | |
| NDS (OEL TWA) | 27 mg/m ³ |
| NDSch (OEL STEL) | 54 mg/m ³ |
| Portugal - Occupational Exposure Limits | |
| OEL TWA | 5 ppm (inhalable fraction; vapor) |
| OEL chemical category | Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure |
| Spain - Occupational Exposure Limits | |
| VLA-ED (OEL TWA) | 5 ppm (inhalable fraction and vapor) |
| OEL chemical category | Sensitizer, skin - potential for cutaneous absorption |
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH OEL TWA | 5 ppm (inhalable fraction and vapor) |
| ACGIH chemical category | Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer |
| Alcohol C-10 (112-30-1) | |
| Bulgaria - Occupational Exposure Limits | |
| OEL TWA | 10 mg/m ³ |
| Germany - Occupational Exposure Limits (TRGS 900) | |
| AGW (OEL TWA) | 66 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| | 10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Latvia - Occupational Exposure Limits | |
| OEL TWA | 10 mg/m ³ |

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| Alcohol C-10 (112-30-1) | |
|---|--|
| Lithuania - Occupational Exposure Limits | |
| IPRV (OEL TWA) | 10 mg/m ³ |
| Romania - Occupational Exposure Limits | |
| OEL TWA | 100 mg/m ³ |
| | 15 ppm |
| OEL STEL | 200 mg/m ³ |
| | 30 ppm |
| Switzerland - Occupational Exposure Limits | |
| MAK (OEL TWA) | 66 mg/m ³ (aerosol, vapour) |
| | 10 ppm (aerosol, vapour) |
| KZGW (OEL STEL) | 66 mg/m ³ (aerosol, vapour) |
| | 10 ppm (aerosol, vapour) |
| Aldehyde C-6 (66-25-1) | |
| Finland - Occupational Exposure Limits | |
| HTP (OEL STEL) | 42 mg/m ³ |
| | 10 ppm |
| Poland - Occupational Exposure Limits | |
| NDS (OEL TWA) | 40 mg/m ³ |
| NDSch (OEL STEL) | 80 mg/m ³ |
| Caproic acid (142-62-1) | |
| Bulgaria - Occupational Exposure Limits | |
| OEL TWA | 5 mg/m ³ |
| Latvia - Occupational Exposure Limits | |
| OEL TWA | 5 mg/m ³ |
| Lithuania - Occupational Exposure Limits | |
| IPRV (OEL TWA) | 5 mg/m ³ |
| butyric acid (107-92-6) | |
| Bulgaria - Occupational Exposure Limits | |
| OEL TWA | 10 mg/m ³ |
| Latvia - Occupational Exposure Limits | |
| OEL TWA | 10 mg/m ³ |
| Lithuania - Occupational Exposure Limits | |
| IPRV (OEL TWA) | 10 mg/m ³ |
| Romania - Occupational Exposure Limits | |
| OEL TWA | 15 mg/m ³ |
| | 4 ppm |
| OEL STEL | 30 mg/m ³ |
| | 8 ppm |

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8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses. Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves. Wear protective gloves.

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|-------------------------|
| Physical state | : Liquid |
| Colour | : Conforms to standard. |
| Odour | : characteristic. |
| Odour threshold | : Not available |
| Melting point | : Not applicable |
| Freezing point | : Not available |

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| | |
|---|--|
| Boiling point | : Not available |
| Flammability | : Not applicable, Combustible liquid |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : 93 °C |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : Not available |
| Viscosity, kinematic | : Not available |
| Solubility | : Not available |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : 0.000670459 mm Hg (calculated value) |
| Vapour pressure at 50°C | : Not available |
| Density | : Not available |
| Relative density | : ≈ 0.99 |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : 7.60303 % (calculated value)(CARB VOC) (%w/w)

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions. Combustible liquid. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Not established.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

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

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

| | |
|----------------|--------------------------|
| ATE CLP (oral) | 695.817 mg/kg bodyweight |
|----------------|--------------------------|

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| benzyl benzoate (120-51-4) | |
|---|---|
| LD50 oral rat | > 2000 mg/kg (Source: ECHA_API) |
| LD50 oral | 1160 mg/kg bodyweight |
| LD50 dermal rabbit | 4000 mg/kg (Source: NLM_CIP) |
| Phenylethyl alcohol (60-12-8) | |
| LD50 oral rat | 1609 mg/kg (Source: EPA_HP) |
| LD50 oral | 1610 mg/kg |
| LD50 dermal rabbit | 2535 mg/kg (Source: EPA_HP) |
| LC50 Inhalation - Rat | > 4.63 mg/l/4h |
| Linalool (78-70-6) | |
| LD50 oral | 2790 mg/kg |
| Verdyl acetate (5413-60-5) | |
| LD50 oral | 3050 mg/kg bodyweight |
| LD50 dermal rabbit | > 5000 mg/kg (Source: ECHA_API) |
| Amyl cinnamic aldehyde (122-40-7) | |
| LD50 oral rat | 3730 mg/kg (Source: CHEMVIEW) |
| LD50 dermal rabbit | > 2000 mg/kg (Source: CHEMVIEW) |
| Isocyclocitral (1335-66-6) | |
| LD50 oral rat | 4500 mg/kg (Source: NLM_CIP) |
| LD50 oral | 3220 mg/kg bodyweight |
| Terpineol (8000-41-7) | |
| LD50 oral rat | 2900 mg/kg (Source: IUCLID) |
| LD50 oral | 4300 mg/kg bodyweight |
| LD50 dermal rabbit | > 3000 mg/kg (Source: IUCLID) |
| Elemi oil (8023-89-0) | |
| LD50 oral rat | 3370 mg/kg (Source: NLM_CIP) |
| LD50 oral | 3370 mg/kg |
| Eugenol (97-53-0) | |
| LD50 oral rat | 1930 mg/kg (Source: NZ_CCID) |
| LD50 oral | 2500 mg/kg bodyweight |
| LC50 Inhalation - Rat | > 2.58 mg/l/4h |
| 3-(2,2-dimethyl-3-hydroxypropyl)toluene; (alt.): 2,2-dimethyl-3-(3-methylphenyl)propanol (103694-68-4) | |
| LD50 oral | 3440 mg/kg bodyweight |
| LD50 dermal rabbit | > 5 ml/kg (Source: ECHA_API) |
| Carbitol (111-90-0) | |
| LD50 oral rat | 10502 mg/kg (Source: OECD_SIDS) |
| LD50 dermal rabbit | 9143 mg/kg (Source: OECD_SIDS) |
| LC50 Inhalation - Rat | > 5240 mg/m ³ (Exposure time: 4 h Source: NLM_CIP) |

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| Hydroxy (107-75-5) | |
|---|---|
| LD50 oral rat | > 6400 mg/kg (Source: ECHA) |
| LD50 dermal rabbit | > 2000 mg/kg (Source: ECHA_API) |
| Amyl salicylate (2050-08-0) | |
| LD50 oral rat | 4100 mg/kg (Source: NZ_CCID) |
| LD50 oral | 2000 mg/kg bodyweight |
| LD50 dermal rabbit | > 5000 mg/kg (Source: CHEMVIEW) |
| Cinnamic alcohol (104-54-1) | |
| LD50 oral | 2000 mg/kg bodyweight |
| LD50 dermal rabbit | > 5000 mg/kg (Source: ECHA_API) |
| Camphor (76-22-2) | |
| LD50 oral | 1500 mg/kg |
| LD50 dermal rat | > 2000 mg/kg (Source: ECHA_API) |
| Citronellol Pure (106-22-9) | |
| LD50 oral rat | 3450 mg/kg (Source: NLM_CIP) |
| LD50 oral | 3450 mg/kg bodyweight |
| LD50 dermal rabbit | 2650 mg/kg (Source: EPA_HP) |
| LD50 dermal | 2650 mg/kg bodyweight |
| citral (5392-40-5) | |
| LD50 oral rat | 4960 mg/kg (Source: NLM_CIP) |
| LD50 dermal rabbit | 2250 mg/kg (Source: NLM_CIP) |
| Triplal (Vertocitral) (68039-49-6) | |
| LD50 oral | 2330 mg/kg |
| Alcohol C-10 (112-30-1) | |
| LD50 oral rat | 4720 mg/kg (Source: NZ_CCID) |
| LD50 dermal rat | > 5000 mg/kg (Source: ECHA_API) |
| LC50 Inhalation - Rat | > 71 mg/l (Exposure time: 1 h Source: ECHA_API) |
| Aldehyde C-6 (66-25-1) | |
| LD50 oral rat | 4890 mg/kg (Source: NLM_CIP) |
| LD50 dermal rabbit | > 8100 mg/kg (Source: ECHA_API) |
| Caproic acid (142-62-1) | |
| LD50 oral rat | 3 g/kg (Source: NLM_HSDB) |
| LD50 oral | 4000 mg/kg bodyweight |
| LD50 dermal rabbit | 630 mg/kg (Source: NLM_HSDB) |
| butyric acid (107-92-6) | |
| LD50 oral rat | 2 g/kg (Source: NLM_CIP) |
| LD50 oral | 1630 mg/kg bodyweight |
| LD50 dermal rabbit | 530 mg/kg (Source: NLM_HSDB) |

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| | |
|-----------------------------------|--|
| 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 |

Eugenol (97-53-0)

| | |
|-----------------------|----------------------|
| IARC group | 3 - Not classifiable |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |

Camphor (76-22-2)

| | |
|------------------------|-----------------------------|
| STOT-single exposure | May cause damage to organs. |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |

benzyl benzoate (120-51-4)

| | |
|----------------------|--------------------------|
| Viscosity, kinematic | 7.456 mm ² /s |
|----------------------|--------------------------|

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

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

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|--|
| Ecology - general | : Toxic to aquatic life with long lasting effects. Very toxic to aquatic life. |
| Hazardous to the aquatic environment, short-term (acute) | : Very toxic to aquatic life. |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects. |

benzyl benzoate (120-51-4)

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

Phenylethyl alcohol (60-12-8)

| | |
|----------------------|--|
| EC50 - Crustacea [1] | 287.17 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 72h - Algae [1] | 490 mg/l (Species: Desmodesmus subspicatus) |

Linalool (78-70-6)

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

Eugenol (97-53-0)

| | |
|-----------------|---|
| LC50 - Fish [1] | 13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA) |
|-----------------|---|

Carbitol (111-90-0)

| | |
|-----------------|--|
| LC50 - Fish [1] | 10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA) |
| LC50 - Fish [2] | 19100 – 23900 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through] Source: EPA) |

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| Carbitol (111-90-0) | |
|--|--|
| EC50 - Crustacea [1] | 3940 – 4670 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| citral (5392-40-5) | |
| EC50 - Crustacea [1] | 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 72h - Algae [1] | 16 mg/l (Species: Desmodemus subspicatus) |
| EC50 96h - Algae [1] | 19 mg/l (Species: Desmodemus subspicatus) |
| Alcohol C-10 (112-30-1) | |
| LC50 - Fish [1] | 2.2 – 2.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |
| LC50 - Fish [2] | 4.12 – 6.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA) |
| EC50 - Crustacea [1] | 3 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| Aldehyde C-6 (66-25-1) | |
| LC50 - Fish [1] | 12 – 16.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |
| Caproic acid (142-62-1) | |
| LC50 - Fish [1] | 306 – 334 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |
| LC50 - Fish [2] | 88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA) |
| butyric acid (107-92-6) | |
| EC50 72h - Algae [1] | 46.7 mg/l (Species: Desmodemus subspicatus) |
| 12.2. Persistence and degradability | |
| Persistence and degradability | Not established. |
| benzyl benzoate (120-51-4) | |
| Persistence and degradability | May cause long-term adverse effects in the environment. |
| Phenylethyl alcohol (60-12-8) | |
| Persistence and degradability | Rapidly degradable |
| Linalool (78-70-6) | |
| Persistence and degradability | Rapidly degradable |
| Verdyl acetate (5413-60-5) | |
| Persistence and degradability | Rapidly degradable |
| Amyl cinnamic aldehyde (122-40-7) | |
| Persistence and degradability | Rapidly degradable |
| Isocyclocitral (1335-66-6) | |
| Persistence and degradability | Rapidly degradable |
| Terpineol (8000-41-7) | |
| Persistence and degradability | Rapidly degradable |

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| | |
|---|--------------------|
| Elemi oil (8023-89-0) | |
| Persistence and degradability | Rapidly degradable |
| Eugenol (97-53-0) | |
| Persistence and degradability | Rapidly degradable |
| 3-(2,2-dimethyl-3-hydroxypropyl)toluene; (alt.): 2,2-dimethyl-3-(3-methylphenyl)propanol (103694-68-4) | |
| Persistence and degradability | Rapidly degradable |
| Carbitol (111-90-0) | |
| Persistence and degradability | Rapidly degradable |
| Hydroxy (107-75-5) | |
| Persistence and degradability | Rapidly degradable |
| Amyl salicylate (2050-08-0) | |
| Persistence and degradability | Rapidly degradable |
| Cinnamic alcohol (104-54-1) | |
| Persistence and degradability | Rapidly degradable |
| Camphor (76-22-2) | |
| Persistence and degradability | Rapidly degradable |
| Citronellol Pure (106-22-9) | |
| Persistence and degradability | Rapidly degradable |
| citral (5392-40-5) | |
| Persistence and degradability | Rapidly degradable |
| Adoxal (141-13-9) | |
| Persistence and degradability | Rapidly degradable |
| Triplal (Vertocitral) (68039-49-6) | |
| Persistence and degradability | Rapidly degradable |
| Alcohol C-10 (112-30-1) | |
| Persistence and degradability | Rapidly degradable |
| Aldehyde C-6 (66-25-1) | |
| Persistence and degradability | Rapidly degradable |
| Caproic acid (142-62-1) | |
| Persistence and degradability | Rapidly degradable |
| butyric acid (107-92-6) | |
| Persistence and degradability | Rapidly degradable |
| 12.3. Bioaccumulative potential | |
| Bioaccumulative potential | Not established. |

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| | |
|---|---------------------------------------|
| benzyl benzoate (120-51-4) | |
| Partition coefficient n-octanol/water (Log Pow) | 3.97 (at 25 °C) |
| Bioaccumulative potential | Not established. |
| Phenylethyl alcohol (60-12-8) | |
| Partition coefficient n-octanol/water (Log Pow) | 1.36 (at 20 °C (at pH 7) |
| Verdyl acetate (5413-60-5) | |
| Partition coefficient n-octanol/water (Log Pow) | 4.2 (at 30 °C (at pH 5.92) |
| Amyl cinnamic aldehyde (122-40-7) | |
| Partition coefficient n-octanol/water (Log Pow) | 2.498 (at 25 °C (at pH 6.2) |
| Eugenol (97-53-0) | |
| Partition coefficient n-octanol/water (Log Pow) | 1.83 (at 30 °C (at pH 5.5) |
| 3-(2,2-dimethyl-3-hydroxypropyl)toluene; (alt.): 2,2-dimethyl-3-(3-methylphenyl)propanol (103694-68-4) | |
| Partition coefficient n-octanol/water (Log Pow) | 3.07 (at 20 °C) |
| Carbitol (111-90-0) | |
| Partition coefficient n-octanol/water (Log Pow) | -0.8 |
| Hydroxy (107-75-5) | |
| Partition coefficient n-octanol/water (Log Pow) | 1.68 (at 25 °C) |
| Amyl salicylate (2050-08-0) | |
| BCF - Fish [1] | (1170 dimensionless (whole body w.w.) |
| Partition coefficient n-octanol/water (Log Pow) | 4.5 (at 30 °C) |
| Cinnamic alcohol (104-54-1) | |
| Partition coefficient n-octanol/water (Log Pow) | 1.636 (at 27 °C (at pH 3.52) |
| Camphor (76-22-2) | |
| Partition coefficient n-octanol/water (Log Pow) | 2.414 (at 25 °C) |
| Citronellol Pure (106-22-9) | |
| Partition coefficient n-octanol/water (Log Pow) | 3.41 (at 25 °C) |
| citral (5392-40-5) | |
| Partition coefficient n-octanol/water (Log Pow) | 2.76 (at 25 °C) |
| Adoxal (141-13-9) | |
| Partition coefficient n-octanol/water (Log Pow) | 6.2 (at 35 °C (at pH 7) |
| Alcohol C-10 (112-30-1) | |
| Partition coefficient n-octanol/water (Log Pow) | 4.5 (at 25 °C (at pH 6) |
| Aldehyde C-6 (66-25-1) | |
| Partition coefficient n-octanol/water (Log Pow) | 2.3 (at 25 °C (at pH 5) |
| Caproic acid (142-62-1) | |
| Partition coefficient n-octanol/water (Log Pow) | 1.88 |

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butyric acid (107-92-6)

Partition coefficient n-octanol/water (Log Pow) 1.1 (at 25 °C (at pH 3))

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local/national laws and regulations.
Ecological information : Avoid release to the environment.
HP Code : HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.
HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.
HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|--|---|---|---|---|
| 14.1. UN number or ID number | | | | |
| UN 3082 | UN 3082 | UN 3082 | UN 3082 | UN 3082 |
| 14.2. UN proper shipping name | | | | |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE) | Environmentally hazardous substance, liquid, n.o.s. (BENZYL BENZOATE) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE) |
| Transport document description | | | | |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (BENZYL BENZOATE), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE), 9, III |
| 14.3. Transport hazard class(es) | | | | |
| 9 | 9 | 9 | 9 | 9 |

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| ADR | IMDG | IATA | ADN | RID |
|--|---|------------------------------------|------------------------------------|------------------------------------|
| | | | | |
| 14.4. Packing group | | | | |
| III | III | III | III | III |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes Marine pollutant: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

| | |
|---|---------------------------|
| Classification code (ADR) | : M6 |
| Special provisions (ADR) | : 274, 335, 375, 601 |
| Limited quantities (ADR) | : 5I |
| Excepted quantities (ADR) | : E1 |
| Packing instructions (ADR) | : P001, IBC03, LP01, R001 |
| Special packing provisions (ADR) | : PP1 |
| Mixed packing provisions (ADR) | : MP19 |
| Portable tank and bulk container instructions (ADR) | : T4 |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP29 |
| Tank code (ADR) | : LGBV |
| Vehicle for tank carriage | : AT |
| Transport category (ADR) | : 3 |
| Special provisions for carriage - Packages (ADR) | : V12 |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13 |
| Hazard identification number (Kemler No.) | : 90 |
| Orange plates | : |

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

Transport by sea

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

Air transport

| | |
|--|---------|
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y964 |
| PCA limited quantity max net quantity (IATA) | : 30kgG |
| PCA packing instructions (IATA) | : 964 |

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PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L
Special provisions (IATA) : A97, A158, A197, A215
ERG code (IATA) : 9L

Inland waterway transport

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

Rail transport

Classification code (RID) : M6
Special provisions (RID) : 274, 335, 375, 601
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1
Packing instructions (RID) : P001, IBC03, LP01, R001
Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions (RID) : TP1, TP29
Tank codes for RID tanks (RID) : LGBV
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31
Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 90

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)

| Reference code | Applicable on | Entry title or description |
|----------------|--------------------------|--|
| 3(a) | Elemi oil ; Aldehyde C-6 | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F |

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| EU restriction list (REACH Annex XVII) | | |
|--|--|--|
| Reference code | Applicable on | Entry title or description |
| 3(b) | ; benzyl benzoate ; Phenylethyl alcohol ; Linalool ; Amyl cinnamic aldehyde ; Isocyclocitral ; Terpineol ; Elemi oil ; Eugenol ; 3-(2,2-dimethyl-3-hydroxypropyl)toluene ; (alt.): 2,2-dimethyl-3-(3-methylphenyl)propanol ; Hydroxy ; Amyl salicylate ; Citronellol Pure ; citral ; Adoxal ; Triplal (Vertocitral) ; Caproic acid ; butyric acid | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c) | ; benzyl benzoate ; Verdyl acetate ; Amyl cinnamic aldehyde ; Isocyclocitral ; Elemi oil ; 3-(2,2-dimethyl-3-hydroxypropyl)toluene ; (alt.): 2,2-dimethyl-3-(3-methylphenyl)propanol ; Amyl salicylate ; Adoxal ; Triplal (Vertocitral) ; Alcohol C-10 | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 |
| 40. | Elemi oil ; Camphor ; Aldehyde C-6 | Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. |

REACH Annex XIV (Authorisation List)

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

REACH Candidate List (SVHC)

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

PIC Regulation (Prior Informed Consent)

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

POP Regulation (Persistent Organic Pollutants)

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

Ozone Regulation (1005/2009)

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

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

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

VOC Directive (2004/42)

VOC content : 7.60303 % (calculated value)(CARB VOC) (%w/w)

Explosives Precursors Regulation (2019/1148)

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

Drug Precursors Regulation (273/2004)

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

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

15.1.2. National regulations

Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).
Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

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

Denmark

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Other information : None.

| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (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. 2 | Flammable solids, Category 2 |
| H226 | Flammable liquid and vapour. |
| H228 | Flammable solid. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H314 | Causes severe skin burns and eye damage. |

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

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H371 | May cause damage to organs. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Corr. 1C | Skin corrosion/irritation, Category 1, Sub-Category 1C |
| 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 |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.