# SAFETY DATA SHEET

BIBLIOTHEQUE — fragrance compound, 100%
According to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878

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

### 1.1 Product identifier

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|---|---|
| **Product form** | Mixture |
| **Trade name** | BIBLIOTHEQUE |
| **UFI** | C41U-E3AV-6002-8S7V |
| **Type of product** | Perfumes, fragrances |

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

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| **Identified uses** | Fragrance compound for the manufacture of candles, wax melts, diffusers and air-care products. For professional use. |
| **Uses advised against** | Not for personal use. Not for direct application to skin. Cosmetic use only within the IFRA limits and with a cosmetic safety assessment. |

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

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| **Company** | VEGTEAM, Lda. — Eco Candle Project |
| **Address** | R. Quinta de Santa Marta, Lojas EF, 1495-171 Algés, Portugal |
| **E-mail** | info@ecocandleproject.com |
| **Website** | www.ecocandleproject.com |

### 1.4 Emergency telephone number

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|---|---|
| **Emergency number** | CIAV — Poison Information Centre (INEM): +351 800 250 250 (24 h) |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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| **Skin irritation** | Skin Irrit. 2 — H315 |
| **Eye irritation** | Eye Irrit. 2 — H319 |
| **Skin sensitisation** | Skin Sens. 1 — H317 |
| **Aquatic hazard, chronic** | Aquatic Chronic 1 — H410 |

Classification according to Regulation (EC) No 1272/2008 [CLP], as given in the manufacturer's SDS (calculation method); verified by Eco Candle Project with the same method.

### 2.2 Label elements



GHS07



GHS09

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|---|---|
| **Hazard pictograms** | GHS07, GHS09 |
| **Signal word** | WARNING |
| **Contains (hazard-determining)** | Tetramethyl acetyloctahydronaphthalenes (OTNE), (Ethoxymethoxy)cyclododecane, Cinnamyl alcohol |
| **Hazard statements** | H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H319 Causes serious eye irritation.<br>H410 Very toxic to aquatic life with long lasting effects. |

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| **Supplemental information** | EUH208 Contains beta-Caryophyllene. May produce an allergic reaction. |
| **Precautionary statements** | P261 Avoid breathing mist/vapours/spray.<br>P273 Avoid release to the environment.<br>P280 Wear protective gloves/eye protection/face protection.<br>P302+P352 IF ON SKIN: Wash with plenty of water.<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>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.<br>P337+P313 If eye irritation persists: Get medical advice/attention.<br>P391 Collect spillage.<br>P501 Dispose of contents/container in accordance with local regulations. |
| **Finished product** | Candles: also apply the safety labelling of EN 15494. When supplied to consumers add P101/P102 and the name, address and telephone of the supplier. |

### 2.3 Other hazards

The mixture contains no Substances of Very High Concern (SVHC) ≥ 0.1%, no PBT/vPvB substances (REACH Annex XIII) and no substances with endocrine-disrupting properties ≥ 0.1% (Delegated Regulation (EU) 2017/2100 / Regulation (EU) 2018/605).

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Mixture of fragrance substances. Hazardous components (and substances with a workplace exposure limit) as declared by the manufacturer:

| Name | Identifiers | % | Classification (EC) No 1272/2008 |
|---|---|---|---|
| Tetramethyl acetyloctahydronaphthalenes (OTNE) | CAS 54464-57-2<br>EC 259-174-3<br>REACH 01-2119489989-04 | 16.64 – 33.28 | Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 1, H410 |
| Hexamethylindanopyran (HHCB) | CAS 1222-05-5<br>EC 214-946-9<br>REACH 01-2119488227-29 | 5.92 – 11.84 | Aquatic Acute 1, H400; Aquatic Chronic 1, H410 |
| Benzyl benzoate | CAS 120-51-4<br>EC 204-402-9<br>REACH 01-2119976371-33 | 4.32 – 8.64 | Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400; Aquatic Chronic 2, H411 |
| Methyl ionone | CAS 1335-46-2<br>EC 215-635-0 | 2.72 – 5.44 | Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 2, H411 |
| (Ethoxymethoxy)cyclododecane | CAS 58567-11-6<br>EC 261-332-1 | 2.20 – 4.40 | Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 2, H411 |
| Patchouli oil (Pogostemon cablin) | CAS 8014-09-3 | 2.16 – 4.32 | Asp. Tox. 1, H304; Aquatic Chronic 2, H411 |
| 2-Phenylethanol | CAS 60-12-8<br>EC 200-456-2<br>REACH 01-2119963921-31 | 1.72 – 3.44 | Acute Tox. 4 (oral), H302; Eye Irrit. 2, H319 |
| 2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)but-2-en-1-ol | CAS 28219-61-6<br>EC 248-908-8<br>REACH 01-2119529224-45 | 1.60 – 3.20 | Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 1, H410 |
| Cinnamyl alcohol | CAS 104-54-1<br>EC 203-212-3<br>REACH 01-2119934496-29 | 1.28 – 2.56 | Acute Tox. 4 (oral), H302; Skin Sens. 1B, H317 |
| Ethyl vanillin | CAS 121-32-4<br>EC 204-464-7 | 1.28 – 2.56 | Eye Irrit. 2, H319 |
| 1-[(2-tert-Butyl)cyclohexyloxy]-2-butanol | CAS 139504-68-0<br>EC 412-300-2<br>REACH 01-0000015959-52 | 1.28 – 2.56 | Aquatic Chronic 2, H411 |
| beta-Ionone | CAS 14901-07-6<br>EC 238-969-9 | 0.760 – 1.52 | Aquatic Chronic 2, H411 |

| Name | Identifiers | % | Classification (EC) No 1272/2008 |
|---|---|---|---|
| beta-Caryophyllene | CAS 87-44-5<br>EC 201-746-1<br>REACH 01-2120745237-53 | 0.200 – 0.400 | Skin Sens. 1B, H317; Asp. Tox. 1, H304 |
| 6-Isopropylquinoline | CAS 135-79-5<br>EC 205-220-2 | 0.080 – 0.160 | Acute Tox. 2 (dermal), H310; Acute Tox. 4 (oral), H302; Eye Irrit. 2, H319; Skin Irrit. 2, H315 |
| Benzaldehyde | CAS 100-52-7<br>EC 202-860-4<br>REACH 01-2119455540-44 | < 0.080 | Acute Tox. 4 (oral), H302 |

Full text of H-statements: see Section 16.

## SECTION 4: First aid measures

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| **Eye contact** | Rinse cautiously with water for at least 15 minutes, holding eyelids open. Remove contact lenses if easy to do. If eye irritation persists, seek medical advice. |
| **Skin contact** | Remove contaminated clothing. Wash skin with plenty of soap and water. If skin irritation or rash occurs, seek medical advice. |
| **Inhalation** | Move the person to fresh air and keep at rest. If symptoms persist, seek medical advice. |
| **Ingestion** | Rinse mouth. Do NOT induce vomiting. Contact the Poison Centre (CIAV 800 250 250) or a doctor. |
| **Most important symptoms** | Eye irritation. Skin irritation. May cause an allergic skin reaction. |
| **Medical attention** | Treat symptomatically. |

## SECTION 5: Firefighting measures

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| **Suitable extinguishing media** | Foam, dry chemical powder, carbon dioxide ($CO_2$). |
| **Unsuitable extinguishing media** | Water jet. |
| **Special hazards** | Combustion may release smoke, CO and $CO_2$. Prevent run-off from entering drains or watercourses. |
| **Advice for firefighters** | Self-contained breathing apparatus and full protective clothing. |

## SECTION 6: Accidental release measures

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| **Personal precautions** | Wear gloves and eye protection. Ensure ventilation. Remove ignition sources. |
| **Environmental precautions** | Prevent entry into drains, watercourses or soil. |
| **Containment and cleaning up** | Absorb with inert material (sand, diatomaceous earth, universal binder) and place in closed containers for disposal. |

## SECTION 7: Handling and storage

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| **7.1 Safe handling** | Avoid contact with skin and eyes; do not breathe vapours. Keep away from heat, ignition sources and naked flames. Do not eat, drink or smoke in the work area. Wash hands after handling. |
| **7.2 Storage** | Keep container tightly closed in a cool, dry, well-ventilated place (10–25 °C), protected from light, heat and ignition sources. Keep out of reach of children. |
| **7.3 Specific end uses** | See Section 1.2 and the IFRA certificate. |

## SECTION 8: Exposure controls/personal protection

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| **8.1 Control parameters** | Exposure limits listed by the manufacturer: Benzaldehyde, CAS 100-52-7 — Finland HTP 4.4 mg/m³ / 1 ppm (8 h), 17.4 mg/m³ / 4 ppm (ceiling); Poland NDS 10 mg/m³, NDSCh 40 mg/m³. DNEL/PNEC: not available for the mixture. |
| **Engineering controls** | Adequate general ventilation; local exhaust for heated or large-scale operations. Eyewash available. |
| **Eye/face protection** | Safety glasses with side shields or goggles (EN 166). |
| **Hand protection** | Chemical-resistant nitrile gloves (EN ISO 374), ≥ 0.2 mm. |
| **Respiratory protection** | Not required with adequate ventilation; otherwise filter type A (EN 14387). |

## SECTION 9: Physical and chemical properties

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| **Physical state** | Liquid |
| **Colour** | Light yellow to amber |
| **Odour** | Characteristic — woody-powdery (violet, amber woods, patchouli, vanilla) |
| **Flash point** | > 93 °C (closed cup) |
| **Flammability** | Not classified (flash point > 60 °C) |
| **pH** | Not applicable |
| **Solubility in water** | Practically insoluble |
| **Other properties** | Melting/boiling point, density, vapour pressure, viscosity, auto-ignition: not determined by the manufacturer. |

## SECTION 10: Stability and reactivity

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| **Reactivity / stability** | Stable under normal conditions of use and storage. No dangerous reactions known. |
| **Conditions to avoid** | Heat, flames, ignition sources. |
| **Incompatible materials** | Strong oxidising agents. |
| **Hazardous decomposition** | In case of combustion: CO, $CO_2$ and smoke. |

## SECTION 11: Toxicological information

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|---|---|
| **Acute toxicity (oral)** | Not classified (ATE ≈ 3,360 mg/kg) |
| **Skin corrosion/irritation** | Skin Irrit. 2 — H315 |
| **Eye irritation** | Eye Irrit. 2 — H319 |
| **Skin sensitisation** | Skin Sens. 1 — H317 |
| **Aspiration hazard** | Not classified |
| **Mutagenicity, carcinogenicity, reproductive toxicity, STOT** | Not classified |

## SECTION 12: Ecological information

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| **12.1 Toxicity** | Aquatic Chronic 1 — H410. Main contributors: tetramethyl acetyloctahydronaphthalenes (OTNE), hexamethylindanopyran (HHCB), 2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)but-2-en-1-ol, benzyl benzoate and methyl ionone. |
| **12.2–12.7** | No data for the mixture. No PBT/vPvB or endocrine-disrupting substances ≥ 0.1%. Do not allow to enter drains or watercourses. |

## SECTION 13: Disposal considerations

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| **Product** | Dispose of through a licensed waste operator according to local/national regulations. Do not discharge to drains. |
| **Hazardous properties (waste)** | HP4, HP13, HP14 |
| **Contaminated packaging** | Empty completely; do not reuse; dispose of as unused product. |

## SECTION 14: Transport information

| | ADR / RID | IMDG | IATA |
|---|---|---|---|
| 14.1 UN number | UN 3082 | UN 3082 | UN 3082 |
| 14.2 Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES) |
| 14.3 Class | 9 | 9 | 9 |
| 14.4 Packing group | III | III | III |
| 14.5 Environmental hazards | Yes | Yes — marine pollutant | Yes |

14.6 Special precautions: ADR tunnel code (-); limited quantity 5 L/5 kg; packages ≤ 5 L/5 kg are exempt from the environmentally hazardous substance provisions (ADR SP 375, IMDG 2.10.2.7). 14.7 Bulk (IMO): not applicable.

## SECTION 15: Regulatory information

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| **EU regulations** | Regulation (EC) No 1272/2008 (CLP); Regulation (EC) No 1907/2006 (REACH); Regulation (EU) 2020/878. |
| **SVHC / Annex XIV / Annex XVII** | No SVHC ≥ 0.1%; no Annex XIV substances. |
| **Seveso III** | E1 — Hazardous to the aquatic environment, Chronic 1. |
| **PCN / UFI** | UFI C41U-E3AV-6002-8S7V (manufacturer's notification). |
| **IFRA (50th)** | Candles (Cat. 12): no restriction (100%). Reed diffusers (Cat. 10A): max 7.21%. Room sprays (Cat. 10B): max 19.83%. Fine fragrance (Cat. 4): max 12.50%. See IFRA certificate. |

## SECTION 16: Other information

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| **Revision** | Version 1.1 — Eco Candle Project edition, 04/11/2026. Based on the manufacturer's SDS for the pure fragrance (version 1.0 of 13/02/2023, issued 21/10/2019), allergen declaration and IFRA 50th Amendment certificate (13/05/2022). The manufacturer declares component concentrations as ranges; the classification was calculated with the upper limit of each range. For benzyl benzoate (8.64%) and cinnamyl alcohol (2.56%) the manufacturer's allergen declaration gives exactly the upper limit, which indicates that the upper limits correspond to the actual formula. With these values the calculation reproduces the manufacturer's classification of the pure fragrance (H315, H317, H319, H410). The manufacturer has not issued SDSs for diluted preparations — the classifications of the 5%, 10% and 7% preparations were calculated by Eco Candle Project with the CLP calculation method. Changes from version 1.0 (21/10/2026): the generic cut-off values of Regulation (EC) No 1272/2008, Annex I, Table 1.1 are now applied in the summation method for aquatic hazards (ingredients below 1 % — or 0.1 % ÷ M for Aquatic Acute 1 / Chronic 1 — are not taken into account). 5% preparation: H317, H411 → H317, H412. Composition, other hazard classes and IFRA limits unchanged. |
| **Abbreviations** | ATE = Acute Toxicity Estimate; UFI = Unique Formula Identifier; PCN = Poison Centre Notification; SCL = specific concentration limit; OTNE = tetramethyl acetyloctahydronaphthalenes; HHCB = hexamethylindanopyran; SVHC = Substance of Very High Concern. |

### Full text of H-statements (Sections 2 and 3):

**H302** Harmful if swallowed. **H304** May be fatal if swallowed and enters airways. **H310** Fatal in contact with skin. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H319** Causes serious eye irritation. **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.

This information is based on our current knowledge and on the manufacturer's data and describes the product for health, safety and environmental purposes only. Users must ensure suitability for their own application.