# SAFETY DATA SHEET

LULLABY — 5% preparation in non-hazardous base
According to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878

⚠ **NOTE:** This document applies to the final mixture containing 5% of LULLABY fragrance and 95% of non-hazardous base. Classification calculated by Eco Candle Project from the composition declared in the manufacturer's SDS for the pure fragrance (CLP calculation method, Regulation (EC) No 1272/2008, Annex I).

## 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** | Preparation with LULLABY at 5% |
| **UFI (pure fragrance)** | Not stated in the manufacturer's documents (requested) |
| **Type of product** | Perfumes, fragrances |
| **Base** | Non-hazardous, non-classified base — 95% |

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

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| **Identified uses** | Air-care products in a non-hazardous base: reed diffusers (within the IFRA 10A limit of 0.37%), room sprays and other non-cosmetic applications. |
| **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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|---|---|
| **Result** | MIXTURE CLASSIFIED AS HAZARDOUS — H412 |
| **Aquatic hazard, chronic** | Aquatic Chronic 3 — H412. 10 × M × Σ Chronic 1 + Σ Chronic 2 = 4.1% (≥ 25% → Chronic 2); 100 × M × Σ Chronic 1 + 10 × Σ Chronic 2 + Σ Chronic 3 = 41.5%. |
| **Skin sensitisation** | Not classified — highest sensitiser hexyl cinnamal ((2E)-2-benzylideneoctanal) 0.25% < 1%. EUH208 applies (≥ 1/10 of the limit). |
| **Eye irritation** | Not classified — Σ Eye Irrit. 2 (≥ 1%) = 0.00% (threshold: 10%). |
| **Skin irritation** | Not classified — Σ Skin Irrit. 2 (≥ 1%) = 0.00% (threshold: 10%). |
| **Aspiration hazard** | Not classified — Σ Asp. Tox. 1 = 0.03% (threshold: 10%). |
| **Notes** | The pure fragrance (100%) is classified H315, H317, H318 and H411 (DANGER). See Annex — Calculation record. |

### 2.2 Label elements

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| **Hazard pictograms** | None |
| **Signal word** | None (no pictogram required) |
| **Hazard statements** | H412 Harmful to aquatic life with long lasting effects. |

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| **Supplemental information** | EUH208 Contains Hexyl cinnamal ((2E)-2-benzylideneoctanal), 4-tert-Butylcyclohexyl acetate, Linalool, Benzyl salicylate, Citronellol, Eugenol, Coumarin, Tetrahydrolinalool, Nerol, Geraniol, Isoeugenol. May produce an allergic reaction. |
| **Precautionary statements** | P101 If medical advice is needed, have product container or label at hand.<br>P102 Keep out of reach of children.<br>P273 Avoid release to the environment.<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 — concentrations refer to the FINAL mixture at 5% (manufacturer's values × 0.05):

| Name | Identifiers | % | Classification (EC) No 1272/2008 |
|---|---|---|---|
| 2-Phenylethanol | CAS 60-12-8<br>EC 200-456-2<br>REACH 01-2119963921-31 | 0.375 – 0.500 | Acute Tox. 4 (oral), H302; Eye Irrit. 2, H319 |
| Linalool | CAS 78-70-6<br>EC 201-134-4<br>REACH 01-2119474016-42 | 0.125 – 0.250 | Skin Sens. 1B, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319 |
| Hexyl cinnamal ((2E)-2-benzylideneoctanal) | CAS 165184-98-5<br>REACH 01-2119533092-50 | 0.125 – 0.250 | Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411 |
| Benzyl acetate | CAS 140-11-4<br>EC 205-399-7<br>REACH 01-2119638272-42 | 0.125 – 0.250 | Aquatic Chronic 3, H412 |
| Benzyl salicylate | CAS 118-58-1<br>EC 204-262-9<br>REACH 01-2119969442-31 | 0.125 – 0.250 | Skin Sens. 1B, H317; Eye Irrit. 2, H319; Aquatic Chronic 3, H412 |
| 4-tert-Butylcyclohexyl acetate | CAS 32210-23-4<br>EC 250-954-9<br>REACH 01-2119976286-24 | 0.125 – 0.250 | Skin Sens. 1B, H317 |
| Citronellol | CAS 106-22-9<br>EC 203-375-0<br>REACH 01-2119453995-23 | 0.125 – 0.250 | Skin Sens. 1B, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319 |
| Terpinyl acetate | CAS 80-26-2<br>EC 201-265-7<br>REACH 01-2119980733-29 | 0.125 – 0.250 | Aquatic Chronic 2, H411 |
| Eugenol | CAS 97-53-0<br>EC 202-589-1<br>REACH 01-2119971802-33 | 0.125 – 0.250 | Skin Sens. 1B, H317; Eye Irrit. 2, H319 |
| Coumarin | CAS 91-64-5<br>EC 202-086-7<br>REACH 01-2119949300-45 | 0.125 – 0.250 | Skin Sens. 1B, H317; Acute Tox. 4 (oral), H302 |
| Geraniol | CAS 106-24-1<br>EC 203-377-1 | 0.050 – 0.125 | Eye Dam. 1, H318; Skin Sens. 1, H317; Skin Irrit. 2, H315 |
| Terpineol | CAS 8000-41-7<br>REACH 01-2119553062-49 | 0.050 – 0.125 | Skin Irrit. 2, H315; Eye Irrit. 2, H319 |

| Name | Identifiers | % | Classification (EC) No 1272/2008 |
|---|---|---|---|
| Phenylethyl acetate | CAS 103-45-7<br>EC 203-113-5<br>REACH 01-2119976340-38 | 0.050 – 0.125 | Eye Dam. 1, H318 |
| Ethylene brassylate | CAS 105-95-3<br>EC 203-347-8<br>REACH 01-2119976314-33 | 0.050 – 0.125 | Aquatic Chronic 3, H412 |
| Tetrahydrolinalool | CAS 78-69-3<br>EC 201-133-9<br>REACH 01-2119454788-21 | 0.050 – 0.125 | Skin Sens. 1B, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319 |
| alpha-Isomethyl ionone | CAS 127-51-5<br>EC 204-846-3 | 0.050 – 0.125 | Skin Sens. 1B, H317; Aquatic Chronic 2, H411 |
| Nerol | CAS 106-25-2<br>EC 203-378-7 | 0.050 – 0.125 | Skin Sens. 1B, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319 |
| Tetrahydro-4-methyl-2-(2-methylpropyl)-2H-pyran-4-ol | CAS 63500-71-0<br>EC 405-040-6<br>REACH 01-0000015458-64 | 0.050 – 0.125 | Eye Irrit. 2, H319 |
| Tricyclodecenyl acetate | CAS 5413-60-5<br>REACH 01-2119488219-26 | 0.025 – 0.050 | Aquatic Chronic 1, H410 |
| alpha-Cedrene | CAS 469-61-4<br>EC 207-418-4 | 0.005 – 0.025 | Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Acute 1, H400 (M = 10); Aquatic Chronic 1, H410 (M = 10) |
| Methyl benzoate | CAS 93-58-3<br>EC 202-259-7<br>REACH 01-2119969268-21 | 0.005 – 0.025 | Repr. 2, H361; Acute Tox. 4 (oral), H302 |
| Estragole | CAS 140-67-0<br>EC 205-427-8<br>REACH 01-2120783278-41 | 0.005 – 0.025 | Carc. 2, H351; Muta. 2, H341; Skin Sens. 1B, H317; Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412 |
| Undec-10-enal | CAS 112-45-8<br>EC 203-973-1<br>REACH 01-2119990746-20 | 0.005 – 0.025 | Skin Sens. 1B, H317; Aquatic Chronic 3, H412 |
| beta-n-Methylionone | CAS 63429-28-7<br>EC 264-140-6 | 0.005 – 0.025 | Skin Sens. 1B, H317; Skin Irrit. 2, H315; Aquatic Chronic 2, H411 |
| Dodecanal | CAS 112-54-9<br>EC 203-983-6<br>REACH 01-2119969441-33 | 0.005 – 0.025 | Skin Sens. 1B, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319 |
| beta-Cedrene | CAS 546-28-1<br>EC 208-898-8 | < 0.005 | Asp. Tox. 1, H304; Aquatic Acute 1, H400 (M = 10); Aquatic Chronic 1, H410 (M = 10) |
| Isoeugenol | CAS 5932-68-3<br>EC 227-678-2<br>REACH 01-2120223682-61 | < 0.005 | Skin Sens. 1A, H317 (SCL ≥ 0.01%); Acute Tox. 4 (oral), H302; Acute Tox. 4 (dermal), H312; Acute Tox. 4 (inhalation), H332; STOT SE 3, H335; Skin Irrit. 2, H315; Eye Irrit. 2, H319 |
| Inert base | — | 95 | Not classified |

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. |

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| **Most important symptoms** | May produce an allergic reaction in sensitised persons. |
| **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: Benzyl acetate, CAS 140-11-4 — Portugal: 10 ppm (8 h TWA). 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 |
| **Odour** | Characteristic — aldehydes, rose, cosmetic powder |
| **Flash point** | Not determined for the preparation; pure fragrance 99 °C (closed cup) |
| **Density** | Depends on the base |
| **Solubility** | Insoluble in water |

## 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 |
| **Skin corrosion/irritation** | Not classified |
| **Eye irritation** | Not classified |
| **Skin sensitisation** | Not classified (EUH208) |
| **Aspiration hazard** | Not classified |
| **Mutagenicity, carcinogenicity, reproductive toxicity, STOT** | Not classified |

## SECTION 12: Ecological information

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|---|---|
| **12.1 Toxicity** | Aquatic Chronic 3 — H412. Main contributors: alpha-Cedrene, tricyclodecenyl acetate, beta-Cedrene, hexyl cinnamal ((2E)-2-benzylideneoctanal) and terpinyl acetate. |
| **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)** | HP14 |
| **Contaminated packaging** | Empty completely; do not reuse; dispose of as unused product. |

## SECTION 14: Transport information

Not classified as dangerous goods (ADR/RID/IMDG/IATA) at 5% — Aquatic Chronic 3 is not regulated for transport. The pure fragrance (100%) is UN 3082, Class 9, PG III.

## 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. |
| **PCN / UFI** | Not required — the mixture is classified only for an environmental hazard. |
| **IFRA (51st)** | Reed diffusers (Cat. 10A): max 0.37% — 5% does NOT comply. Room sprays (Cat. 10B): max 0.87% — does NOT comply. |

## SECTION 16: Other information

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|---|---|
| **Revision** | Version 1.0 — Eco Candle Project edition, 24/10/2026. Based on the manufacturer's SDS for the pure fragrance (version 14.1 of 12/11/2025, issued 03/12/2025), allergen declaration and IFRA 51st Amendment certificate (03/12/2025). The manufacturer declares component concentrations as ranges. Exact values from the manufacturer's allergen declaration were used where available (linalool, hexyl cinnamal, benzyl salicylate, citronellol, eugenol, coumarin, geraniol, alpha-isomethyl ionone, terpineol, isoeugenol) and the upper limit of the range otherwise (conservative); with these values the calculation reproduces the manufacturer's classification of the pure fragrance (H315, H317, H318, H411). The manufacturer has not issued SDSs for diluted preparations — the classifications of the diluted preparations were calculated by Eco Candle Project with the CLP calculation method. Because the IFRA 51st Amendment Category 10A limit is only 0.37%, no diffuser (Augeo) preparation is provided; this fragrance is intended for candles and wax melts (Category 12, max. 43.92%). Classification of the 5% preparation calculated by Eco Candle Project. |
| **Abbreviations** | ATE = Acute Toxicity Estimate; UFI = Unique Formula Identifier; PCN = Poison Centre Notification; SCL = specific concentration limit; 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. **H312** Harmful in contact with skin. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H318** Causes serious eye damage. **H319** Causes serious eye irritation. **H332** Harmful if inhaled. **H335** May cause respiratory irritation. **H341** Suspected of causing genetic defects. **H351** Suspected of causing cancer. **H361** Suspected of damaging fertility or the unborn child. **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.

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. If a different base is used, the classification must be recalculated.

## ANNEX — Calculation record (5%)

| Hazard class | Fragrance 100% | Calculation at 5% / threshold | Result at 5% |
|---|---|---|---|
| Aspiration hazard | Not classified | Σ = 0.03% / ≥ 10% | Not classified |
| Skin irritation | Skin Irrit. 2 | Σ = 0.00% / ≥ 10% | Not classified |
| Eye irritation | Eye Dam. 1 | Σ = 0.0% / ≥ 10% | Not classified |
| Skin sensitisation | Skin Sens. 1 | hexyl cinnamal ((2E)-2-benzylideneoctanal) 0.25% / ≥ 1% | Not classified (EUH208) |
| Aquatic chronic | Aquatic Chronic 2 | C2: 4.1%; C3: 41.5% / ≥ 25% | Aquatic Chronic 3 — H412 |
| Physical hazards | Not classified (FP 99 °C) | FP > 60 °C | Not classified |

Calculated from the composition declared in the manufacturer's SDS (100%). The same method reproduces the manufacturer's classification of the pure fragrance.