# SAFETY DATA SHEET

LE SANTAL — 5% preparation in Augeo Clean Multi
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 LE SANTAL fragrance and 95% of Augeo Clean Multi. 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), including Augeo Clean Multi, which is classified Eye Irrit. 2 (H319).

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

### 1.1 Product identifier

| | |
|---|---|
| **Product form** | Mixture |
| **Trade name** | Preparation with LE SANTAL at 5% |
| **UFI (pure fragrance)** | AU3N-TC9E-900T-8AHC |
| **Type of product** | Perfumes, fragrances |
| **Base** | Augeo Clean Multi (2,2-dimethyl-1,3-dioxolane-4-methanol, CAS 100-79-8) — 95% |

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

| | |
|---|---|
| **Identified uses** | Reed-diffuser liquid in Augeo Clean Multi (5% fragrance complies with the IFRA 10A limit of 5.87%). |
| **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

| | |
|---|---|
| **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

| | |
|---|---|
| **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

| | |
|---|---|
| **Result** | MIXTURE CLASSIFIED AS HAZARDOUS — H317, H319, H412 |
| **Aquatic hazard, chronic** | Aquatic Chronic 3 — H412. 10 × M × Σ Chronic 1 + Σ Chronic 2 = 21.8% (≥ 25% → Chronic 2); 100 × M × Σ Chronic 1 + 10 × Σ Chronic 2 + Σ Chronic 3 = 217.6%. |
| **Skin sensitisation** | Skin Sens. 1 — H317. Tetramethyl acetyloctahydronaphthalenes (OTNE) 1.98% is ≥ the concentration limit (1% generic). |
| **Eye irritation** | Eye Irrit. 2 — H319, due to Augeo Clean Multi (95%, Eye Irrit. 2). Σ Eye Irrit. 2 (≥ 1%) ≈ 95.0% (threshold: 10%). |
| **Skin irritation** | Not classified — Σ Skin Irrit. 2 (≥ 1%) = 1.98% (threshold: 10%). |
| **Aspiration hazard** | Not classified — Σ Asp. Tox. 1 = 0.07% (threshold: 10%). |
| **Acute toxicity (oral)** | Not classified — ATE mix ≈ 1,166,860 mg/kg (threshold: 2000 mg/kg). |
| **Notes** | The pure fragrance (100%) is classified H315, H317 and H410 (WARNING). See Annex — Calculation record. |
| **Manufacturer cross-check** | Consistent with the manufacturer's SDS for the 5% dilution: H317, H412. The additional H319 comes from the Augeo Clean Multi base. |

### 2.2 Label elements

GHS07

| | |
|---|---|
| **Hazard pictograms** | GHS07 |
| **Signal word** | Warning |
| **Contains (hazard-determining)** | Tetramethyl acetyloctahydronaphthalenes (OTNE) |
| **Hazard statements** | H317 May cause an allergic skin reaction.<br>H319 Causes serious eye irritation.<br>H412 Harmful to aquatic life with long lasting effects. |
| **Supplemental information** | EUH208 Contains Dihydro pentamethylindanone. 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>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>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 |
|---|---|---|---|
| Tetramethyl acetyloctahydronaphthalenes (OTNE) | CAS 54464-57-2<br>EC 259-174-3<br>REACH 01-2119489989-04 | 0.990 – 1.98 | Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 1, H410 |
| Ethylene brassylate | CAS 105-95-3<br>EC 203-347-8<br>REACH 01-2119976314-33 | 0.270 – 0.536 | Aquatic Chronic 2, H411 |
| Oxacycloheptadec-10-en-2-one | CAS 28645-51-4<br>EC 249-120-7 | 0.065 – 0.125 | Aquatic Chronic 2, H411 |
| beta-Ionone | CAS 14901-07-6<br>EC 238-969-9 | 0.060 – 0.118 | Aquatic Chronic 2, H411 |
| Dihydro pentamethylindanone | CAS 33704-61-9<br>EC 251-649-3<br>REACH 01-2119977131-40 | 0.055 – 0.111 | Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317; STOT RE 2, H373; Aquatic Chronic 2, H411 |
| 4-Methyl-3-decen-5-ol | CAS 81782-77-6<br>EC 279-815-0 | 0.020 – 0.043 | Aquatic Acute 1, H400; Aquatic Chronic 2, H411 |

| Name | Identifiers | % | Classification (EC) No 1272/2008 |
|---|---|---|---|
| Acetyl cedrene | CAS 32388-55-9<br>EC 251-020-3<br>REACH 01-2119969651-28 | 0.020 – 0.036 | Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 |
| Eucalyptus oil | CAS 8000-48-4<br>EC 283-406-2<br>REACH 01-2119978250-37 | 0.015 – 0.032 | Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Chronic 2, H411 |
| 2-Phenoxyethanol | CAS 122-99-6<br>EC 204-589-7<br>REACH 01-2119488943-21 | 0.015 – 0.025 | Acute Tox. 4 (oral), H302; STOT SE 3, H335; Eye Dam. 1, H318 |
| 4-tert-Butylcyclohexyl acetate | CAS 32210-23-4<br>EC 250-954-9<br>REACH 01-2119976286-24 | 0.015 – 0.025 | Skin Sens. 1B, H317 |
| Hexyl salicylate | CAS 6259-76-3<br>EC 228-408-6 | 0.010 – 0.021 | Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 |
| beta-Caryophyllene | CAS 87-44-5<br>EC 201-746-1<br>REACH 01-2120745237-53 | 0.006 – 0.020 | Asp. Tox. 1, H304; Skin Sens. 1B, H317 |
| Juniperus mexicana (cedarwood Texas) oil | CAS 68990-83-0<br>EC 294-461-7 | 0.010 – 0.018 | Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 |
| Acetyl hexamethyl tetralin (AHTN) | CAS 21145-77-7<br>EC 244-240-6 | 0.010 – 0.018 | Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 |
| Vetiver oil (Vetiveria zizanoides) | CAS 8016-96-4<br>EC 616-993-4<br>REACH 01-2120119716-55 | 0.005 – 0.014 | Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 2, H411 |
| Guaiac wood oil (Bulnesia sarmientoi) | CAS 8016-23-7<br>EC 616-975-6<br>REACH 01-2120138621-63 | 0.005 – 0.007 | Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 2, H411 |
| Floralozone (3-(4-ethylphenyl)-2 ,2-dimethylpropanal) | CAS 67634-15-5<br>EC 266-819-2<br>REACH 01-2120758796-34 | 0.005 – 0.007 | Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1B, H317 |
| 1-Decanol | CAS 112-30-1<br>EC 203-956-9 | < 0.0000 | Aquatic Chronic 3, H412 |
| Augeo Clean Multi | CAS 100-79-8<br>EC 202-888-8 | 95 | Eye Irrit. 2, H319 |

Full text of H-statements: see Section 16.

## SECTION 4: First aid measures

| | |
|---|---|
| **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. May cause an allergic skin reaction. |
| **Medical attention** | Treat symptomatically. |

## SECTION 5: Firefighting measures

| | |
|---|---|
| **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

| | |
|---|---|
| **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

| | |
|---|---|
| **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

| | |
|---|---|
| **8.1 Control parameters** | Exposure limits listed by the manufacturer: 2-Phenoxyethanol, CAS 122-99-6 — No Portuguese limit value. Germany (TRGS 900) AGW 5.7 mg/m³ / 1 ppm; Austria MAK 110 mg/m³ / 20 ppm (8 h); Finland HTP 110 mg/m³ / 20 ppm (8 h), 290 mg/m³ / 50 ppm (15 min); Poland NDS 230 mg/m³; 1-Decanol, CAS 112-30-1 — Germany (TRGS 900) AGW 66 mg/m³ / 10 ppm. 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

| | |
|---|---|
| **Physical state** | Liquid |
| **Odour** | Characteristic — sandalwood, cedarwood, musk |
| **Flash point** | Not determined for the preparation; pure fragrance > 93.3 °C; Augeo Clean Multi 91 °C |
| **Density** | Augeo Clean Multi 1.069 g/cm³; mixture not determined |
| **Solubility** | Augeo is miscible with water and alcohols |

## SECTION 10: Stability and reactivity

| | |
|---|---|
| **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

| | |
|---|---|
| **Acute toxicity (oral)** | Not classified (ATE ≈ 1,166,860 mg/kg) |
| **Skin corrosion/irritation** | Not classified |
| **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

| | |
|---|---|
| **12.1 Toxicity** | Aquatic Chronic 3 — H412. Main contributors: tetramethyl acetyloctahydronaphthalenes (OTNE), ethylene brassylate, acetyl cedrene, hexyl salicylate and juniperus mexicana (cedarwood Texas) oil. |
| **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

| | |
|---|---|
| **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

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

| | |
|---|---|
| **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** | Classified for health hazards (H317, H319): a PCN with its own UFI is required if this preparation is placed on the market; the fragrance UFI (AU3N-TC9E-900T-8AHC) can be declared as a component (MiM). |
| **IFRA (51st)** | Reed diffusers (Cat. 10A): max 5.87% fragrance — this 5% preparation complies if used neat. Room sprays (Cat. 10B): max 12.64% fragrance. |

## SECTION 16: Other information

| | |
|---|---|
| **Revision** | Version 1.0 — Eco Candle Project edition, 21/10/2026. Based on the manufacturer's SDS for the pure fragrance (revision of 12/07/2024, issued 12/07/2024), allergen declaration and IFRA 51st Amendment certificate (12/07/2024). The manufacturer declares component concentrations as ranges; the classification was calculated conservatively using the upper limit of each range (these coincide with the exact values of the manufacturer's IFRA certificate, e.g. OTNE 39.68%, hexyl salicylate 0.43%, dihydro pentamethylindanone 2.21%), which reproduces the manufacturer's classification of the pure fragrance (H315, H317, H410). The 5% and 10% preparations are consistent with the manufacturer's SDSs for those dilutions (H317, H412; H317, H411): OTNE, a skin sensitiser, is present at 1.98% in the 5% preparation, above the 1% classification limit. The IFRA Category 10A limit (5.87%) does not allow a 25% reed-diffuser preparation; the diffuser SDS is therefore issued for 5% in Augeo Clean Multi. 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; OTNE = tetramethyl acetyloctahydronaphthalenes; AHTN = 7-acetyl-1,1,3,4,4,6-hexamethyltetralin; SVHC = Substance of Very High Concern. |

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

**H226** Flammable liquid and vapour. **H302** Harmful if swallowed. **H304** May be fatal if swallowed and enters airways. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H318** Causes serious eye damage. **H319** Causes serious eye irritation. **H335** May cause respiratory irritation. **H373** May cause damage to organs through prolonged or repeated exposure. **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% |
|---|---|---|---|
| Acute toxicity (oral) | Not classified (ATE 58,343) | ATE ≈ 1,166,860 mg/kg / ≤ 2000 | Not classified |
| Aspiration hazard | Not classified | Σ = 0.07% / ≥ 10% | Not classified |
| Skin irritation | Skin Irrit. 2 | Σ = 1.98% / ≥ 10% | Not classified |
| Eye irritation | Not classified | Σ = 95.0% / ≥ 10% | Eye Irrit. 2 — H319 |
| Skin sensitisation | Skin Sens. 1 | tetramethyl acetyloctahydronaphthalenes (OTNE) 1.98% / ≥ 1% | Skin Sens. 1 — H317 |
| Aquatic chronic | Aquatic Chronic 1 | C2: 21.8%; C3: 217.6% / ≥ 25% | Aquatic Chronic 3 — H412 |
| Physical hazards | Not classified (FP > 93.3 °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; Augeo Clean Multi adds H319.