# SAFETY DATA SHEET

DARK PLUM, CASSIS, TONKA & MUSK — 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 DARK PLUM, CASSIS, TONKA & MUSK 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 DARK PLUM, CASSIS, TONKA & MUSK at 5% |
| **UFI (pure fragrance)** | AH00-C0TV-Q00J-1F9D |
| **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 100.00%), 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

| | |
|---|---|
| **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 NOT CLASSIFIED AS HAZARDOUS (EUH208 applies) |
| **Aquatic hazard, chronic** | Not classified — 10 × M × Σ Chronic 1 + Σ Chronic 2 = 2.3% (≥ 25% → Chronic 2); 100 × M × Σ Chronic 1 + 10 × Σ Chronic 2 + Σ Chronic 3 = 23.4%. Components below the generic cut-off values of Annex I, Table 1.1 (1%; 0.1% ÷ M for Acute 1 / Chronic 1) are not taken into account (11 components). |
| **Skin sensitisation** | Not classified — highest sensitiser ethyl methylphenylglycidate (strawberry aldehyde) 0.33% < 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 = 0.43% (threshold: 10%). |
| **Acute toxicity (oral)** | Not classified — ATE mix ≈ 209,976 mg/kg (threshold: 2000 mg/kg). |
| **Notes** | The pure fragrance (100%) is classified H315, H317 and H411 (WARNING). See Annex — Calculation record. |

### 2.2 Label elements

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|---|---|
| **Hazard pictograms** | None |
| **Signal word** | None (no pictogram required) |
| **Hazard statements** | None |
| **Supplemental information** | EUH208 Contains Ethyl methylphenylglycidate (strawberry aldehyde), Linalool, Linalyl acetate, d-Limonene, alpha-Pinene. 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>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 |
|---|---|---|---|
| Ethyl methylphenylglycidate (strawberry aldehyde) | CAS 77-83-8<br>EC 201-061-8<br>REACH 01-2119967770-28 | 0.325 | Skin Sens. 1B, H317; Aquatic Chronic 2, H411 |
| 2-tert-Butylcyclohexyl acetate | CAS 88-41-5<br>EC 201-828-7<br>REACH 01-2119970713-33 | 0.305 | Aquatic Chronic 2, H411 |
| Linalool | CAS 78-70-6<br>EC 201-134-4 | 0.238 | Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317 |
| Linalyl acetate | CAS 115-95-7<br>EC 204-116-4<br>REACH 01-2119454789-19 | 0.189 | Skin Irrit. 2, H315; Skin Sens. 1B, H317 |
| Patchouli oil (Pogostemon cablin) | CAS 8014-09-3<br>EC 282-493-4 | 0.125 | Asp. Tox. 1, H304; Aquatic Chronic 2, H411 |
| d-Limonene | CAS 5989-27-5<br>EC 227-813-5 | 0.124 | Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1) |
| alpha-Pinene | CAS 80-56-8<br>EC 201-291-9 | 0.111 | Flam. Liq. 3, H226; Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1) |
| 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 | 0.085 | Eye Irrit. 2, H319; Aquatic Chronic 2, H411 |
| Piperonal (heliotropin) | CAS 120-57-0<br>EC 204-409-7<br>REACH 01-2119983608-21 | 0.080 | Skin Sens. 1B, H317 |
| Ethyl butanoate | CAS 105-54-4<br>EC 203-306-4<br>REACH 01-2120118576-54 | 0.060 | Flam. Liq. 3, H226; Eye Irrit. 2, H319 |
| Ethyl maltol | CAS 4940-11-8<br>EC 225-582-5 | 0.055 | Acute Tox. 4 (oral), H302 |

| Name | Identifiers | % | Classification (EC) No 1272/2008 |
|---|---|---|---|
| beta-Caryophyllene | CAS 87-44-5<br>EC 201-746-1<br>REACH 01-2120745237-53 | 0.051 | Skin Sens. 1B, H317; Asp. Tox. 1, H304; Aquatic Chronic 4, H413 |
| Ethyl hexanoate | CAS 123-66-0<br>EC 204-640-3 | 0.050 | Flam. Liq. 3, H226; Skin Irrit. 2, H315 |
| Citronellol | CAS 106-22-9<br>EC 203-375-0<br>REACH 01-2119453995-23 | 0.015 | Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317 |
| Eugenol | CAS 97-53-0<br>EC 202-589-1<br>REACH 01-2119971802-33 | 0.015 | Eye Irrit. 2, H319; Skin Sens. 1B, H317 |
| Sweet orange oil (Citrus aurantium dulcis) | CAS 8028-48-6<br>EC 232-433-8<br>REACH 01-2119493353-35 | 0.011 | Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Chronic 2, H411 |
| Methyl non-2-enoate | CAS 111-79-5 | 0.010 | Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 2, H411 |
| beta-Damascone (rose ketone) | CAS 23726-92-3<br>EC 245-843-7 | 0.010 | Skin Sens. 1B, H317; Aquatic Chronic 2, H411 |
| beta-Pinene | CAS 127-91-3<br>EC 204-872-5 | 0.010 | Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1) |
| Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde) | CAS 68039-49-6<br>EC 268-264-1<br>REACH 01-2119982384-28 | 0.010 | Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317; Aquatic Chronic 2, H411 |
| Neryl acetate | CAS 141-12-8<br>EC 205-459-2<br>REACH 01-2120748334-54 | 0.007 | Skin Sens. 1B, H317 |
| delta-Damascone (rose ketone) | CAS 57378-68-4 / 71048-82-3<br>EC 260-709-8<br>REACH 01-2119535122-53 | 0.005 | Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 |
| Methyl salicylate | CAS 119-36-8<br>EC 204-317-7<br>REACH 01-2119515671-44 | 0.005 | Acute Tox. 4 (oral), H302; Repr. 2, H361 |
| 4-tert-Butylcyclohexyl acetate | CAS 32210-23-4<br>EC 250-954-9<br>REACH 01-2119976286-24 | 0.005 | Skin Sens. 1B, H317 |
| Rose oxide | CAS 16409-43-1<br>EC 240-457-5 | 0.005 | Skin Irrit. 2, H315; Eye Irrit. 2, H319; Repr. 2, H361 |
| 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. |
| **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: β-Pinene, CAS 127-91-3 — Portugal: 20 ppm (8 h TWA, turpentine and selected monoterpenes). 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 — plum, cassis, tonka |
| **Flash point** | Not determined for the preparation; pure fragrance > 60 °C |
| **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 (ATE ≈ 209,976 mg/kg) |
| **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** | Not classified as hazardous to the aquatic environment (Σ aquatic-hazard components: d-Limonene, alpha-Pinene, ethyl methylphenylglycidate (strawberry aldehyde), 2-tert-Butylcyclohexyl acetate and patchouli oil, below the classification limits). |
| **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)** | None — not a hazardous waste on the basis of its classification (Annex III, Directive 2008/98/EC). |
| **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% — the preparation is not classified as hazardous to the aquatic environment. 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. |
| **Drug precursors** | Contains piperonal (CAS 120-57-0, 0.08%), a Category 1 scheduled substance under Regulation (EC) No 273/2004 (Annex I). The mixture is compounded so that the substance cannot be easily used or extracted; nevertheless, keep records of transactions and report any suspicious orders or transactions to the competent authority. |
| **PCN / UFI** | Not required — the mixture is not classified as hazardous. |
| **IFRA (51st)** | Reed diffusers (Cat. 10A): no restriction (100%) — 5% complies. Room sprays (Cat. 10B): no restriction (100%) — complies. |

## 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 2 of 14/01/2024, issued 19/01/2024), allergen declaration and IFRA 51st Amendment certificate (19/01/2024). 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: H412 → not classified. Composition, other hazard classes and IFRA limits unchanged. 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):

**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. **H319** Causes serious eye irritation. **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. **H413** May cause long lasting harmful effects to aquatic life.

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 10,499) | ATE ≈ 209,976 mg/kg / ≤ 2000 | Not classified |
| Aspiration hazard | Not classified | Σ = 0.43% / ≥ 10% | Not classified |
| Skin irritation | Skin Irrit. 2 | Σ = 0.00% / ≥ 10% | Not classified |
| Eye irritation | Not classified | Σ = 0.0% / ≥ 10% | Not classified |
| Skin sensitisation | Skin Sens. 1 | ethyl methylphenylglycidate (strawberry aldehyde) 0.33% / ≥ 1% | Not classified (EUH208) |
| Aquatic chronic | Aquatic Chronic 2 | C2: 2.3%; C3: 23.4% / ≥ 25% | Not classified |
| Physical hazards | Not classified (FP > 60 °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.