# SAFETY DATA SHEET

ORANGE MARMALADE — 10% preparation in non-hazardous wax 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 10% of ORANGE MARMALADE fragrance and 90% of non-hazardous wax 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 ORANGE MARMALADE at 10% |
| **UFI (pure fragrance)** | QF9N-Q375-J00E-YDEC |
| **Type of product** | Perfumes, fragrances |
| **Base** | Non-hazardous, non-classified wax (e.g. soy, rapeseed, coconut or paraffin) — 90% |

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

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| **Identified uses** | Scented candles, wax melts and scented waxes. |
| **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 NOT CLASSIFIED AS HAZARDOUS (EUH208 applies) |
| **Aquatic hazard, chronic** | Not classified — 10 × M × Σ Chronic 1 + Σ Chronic 2 = 2.0% (≥ 25% → Chronic 2); 100 × M × Σ Chronic 1 + 10 × Σ Chronic 2 + Σ Chronic 3 = 20.0%. 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 d-Limonene 0.89% < 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 = 1.01% (threshold: 10%). |
| **Notes** | The pure fragrance (100%) is classified H315, H317 and H412 (WARNING). See Annex — Calculation record. |

### 2.2 Label elements

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| **Hazard pictograms** | None |
| **Signal word** | None (no pictogram required) |

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| **Hazard statements** | None |
| **Supplemental information** | EUH208 Contains d-Limonene, Tetrahydrolinalool, α-Methylcinnamaldehyde, Cinnamyl nitrile. 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 10% (manufacturer's values × 0.10):

| Name | Identifiers | % | Classification (EC) No 1272/2008 |
|---|---|---|---|
| d-Limonene | CAS 5989-27-5<br>EC 227-813-5<br>REACH 01-2119529223-47 | 0.500 – 1.00 | Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 3, H412 |
| 2-tert-Butylcyclohexyl acetate | CAS 88-41-5 / 20298-69-5 / 20298-70-8<br>EC 243-719-7 | 0.500 – 1.00 | Aquatic Chronic 2, H411 |
| 3,5,5-Trimethylhexyl acetate | CAS 58430-94-7<br>EC 261-245-9<br>REACH 01-2119972325-34 | 0.250 – 0.500 | Aquatic Chronic 2, H411 |
| Tetrahydrolinalool | CAS 78-69-3<br>EC 201-133-9<br>REACH 01-2119454788-21 | 0.100 – 0.500 | Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317 |
| Eucalyptus oil | CAS 8000-48-4 / 84625-32-1<br>EC 283-406-2<br>REACH 01-2119978250-37 | 0.025 – 0.100 | Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Chronic 2, H411 |
| α-Methylcinnamaldehyde | CAS 101-39-3<br>EC 202-938-8<br>REACH 01-2119538797-21 | 0.025 – 0.100 | Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 3, H412 |
| Nectaryl | CAS 95962-14-4<br>EC 404-240-0<br>REACH 01-2119446649-25 | 0.025 – 0.100 | Eye Irrit. 2, H319; Aquatic Acute 1, H400; Aquatic Chronic 3, H412 |
| Cinnamyl nitrile | CAS 4360-47-8 / 1885-38-7<br>EC 224-441-5 | 0.010 – 0.100 | Acute Tox. 3 (oral), H301; Acute Tox. 4 (inhalation), H332; Acute Tox. 4 (dermal), H312; Skin Sens. 1B, H317 |
| 4-Methoxybenzaldehyde | CAS 123-11-5<br>EC 204-602-6<br>REACH 01-2119977101-43 | 0.025 – 0.100 | Repr. 2, H361; Aquatic Chronic 3, H412 |
| Amyl cinnamal | CAS 122-40-7<br>EC 800-696-3<br>REACH 01-2119978288-18 | 0.025 – 0.100 | Skin Sens. 1B, H317; Aquatic Chronic 2, H411 |
| 4-(4-Methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde | CAS 52475-86-2 / 52474-60-9<br>EC 915-712-5<br>REACH 01-2120735080-68 | 0.025 – 0.100 | Aquatic Acute 1, H400; Aquatic Chronic 1, H410 |

| Name | Identifiers | % | Classification (EC) No 1272/2008 |
|---|---|---|---|
| Undecanal | CAS 112-44-7<br>EC 203-972-6<br>REACH 01-2119529242-47 | 0.010 – 0.025 | Skin Irrit. 2, H315; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 |
| Benzaldehyde | CAS 100-52-7<br>EC 202-860-4<br>REACH 01-2119455540-44 | 0.010 – 0.025 | Acute Tox. 4 (oral), H302; Acute Tox. 4 (inhalation), H332; Eye Irrit. 2, H319; Repr. 2, H361d; STOT SE 3, H335; Aquatic Chronic 2, H411 |
| Myrcene | CAS 123-35-3<br>EC 204-622-5<br>REACH 01-2119514321-56 | 0.010 – 0.025 | Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 2, H411 |
| delta-Damascone (rose ketone) | CAS 57378-68-4 / 71048-82-3<br>EC 260-709-8<br>REACH 01-2119535122-53 | 0.003 – 0.010 | Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 |
| Inert base | — | 90 | 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. Molten wax: cool immediately with cold water; do not remove adhering wax; seek medical attention for burns. |
| **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** | Solid wax: collect mechanically. Molten wax: allow to solidify and scrape up. |

## SECTION 7: Handling and storage

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| **7.1 Safe handling** | Melt the wax with controlled heating and good ventilation. Add the fragrance at a moderate temperature (typically 75–85 °C, or as per the wax data sheet) and below the fragrance flash point (67 °C). Do not leave melting wax unattended. Wash hands after use. |
| **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** | No occupational exposure limits for the components. 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. Molten wax: heat-resistant gloves (EN 407). |
| **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** | Solid at 20 °C (wax); liquid when molten |
| **Odour** | Characteristic — citrus, orange, orange marmalade |
| **Flash point** | Not determined for the preparation; pure fragrance 67 °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** | Not classified as hazardous to the aquatic environment (Σ aquatic-hazard components: 2-tert-Butylcyclohexyl acetate, 4-(4-Methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde, d-Limonene, 3,5,5-Trimethylhexyl acetate and undecanal, 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 10% — the preparation is not classified as hazardous to the aquatic environment. The pure fragrance (100%) is not regulated for transport either. Finished candles are articles and are not regulated.

## 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 not classified as hazardous. |
| **IFRA (51st)** | Candles (Cat. 12): no restriction — 10% complies. |

## SECTION 16: Other information

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| **Revision** | Version 1.1 — Eco Candle Project edition, 18/11/2026. Based on the manufacturer's SDS for the pure fragrance (version 1.0 of 17/03/2026, issued 17/03/2026), allergen declaration and IFRA 51st Amendment certificate (17/03/2026). The manufacturer declares component concentrations as ranges; the classification was calculated using the exact concentration given in the manufacturer's allergen declaration for the ingredients listed there and, conservatively, the upper limit of the range for all other ingredients. Changes from version 1.0 (29/09/2026): 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). 10% preparation: H412 → not classified. Composition, other hazard classes and IFRA limits unchanged. This edition re-issues the complete set of safety data sheets of this fragrance in the current Eco Candle Project format; the EUH208 list now follows the calculation rule (sensitisers at or above 1/10 of their classification limit). Classification of the 10% 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. **H301** Toxic if swallowed. **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. **H319** Causes serious eye irritation. **H332** Harmful if inhaled. **H335** May cause respiratory irritation. **H361** Suspected of damaging fertility or the unborn child. **H361d** Suspected of damaging 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 (10%)

| Hazard class | Fragrance 100% | Calculation at 10% / threshold | Result at 10% |
|---|---|---|---|
| Aspiration hazard | Not classified | Σ = 1.01% / ≥ 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 | d-Limonene 0.89% / ≥ 1% | Not classified (EUH208) |
| Aquatic chronic | Aquatic Chronic 3 | C2: 2.0%; C3: 20.0% / ≥ 25% | Not classified |
| Physical hazards | Not classified (FP 67 °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.