

## SAFETY DATA SHEET

### AMALFI LEMON & SUGAR — 10% preparation in wax (non-hazardous base)

According to Regulation (EC) No. 1907/2006 (REACH), as amended by Regulation (EU) 2020/878

⚠ NOTE: This document applies to the final mixture containing 10% of AMALFI LEMON & SUGAR fragrance and 90% of non-hazardous wax base. All hazard, composition and concentration data have been recalculated from the supplier's original SDS using the CLP calculation method.

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identification

|                      |                                                                                     |
|----------------------|-------------------------------------------------------------------------------------|
| Product name         | Preparation with AMALFI LEMON & SUGAR at 10% in non-hazardous wax base              |
| Fragrance reference  | AMALFI LEMON & SUGAR                                                                |
| UFI (pure fragrance) | P200-U0CW-600Y-QM9J                                                                 |
| Base                 | Non-hazardous, non-classified wax (e.g. soy, rapeseed, coconut or paraffin) — 90%   |
| Intended use         | Scented candles, wax melts and scented waxes. Not intended for application to skin. |

### 1.2 Company identification

|                     |                                                              |
|---------------------|--------------------------------------------------------------|
| Company             | Vegteam, Lda. — Eco Candle Project (ecocandleproject.com)    |
| Address             | R. Quinta de Santa Marta, Lojas EF, 1495-171 Algés, Portugal |
| Email               | info@ecocandleproject.com                                    |
| Emergency telephone | Poison Control (CIAV/INEM): +351 800 250 250 (24 hours)      |

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] — calculated at 10% incorporation (additivity / summation method, CLP Annex I):

|                          |                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Result                   | <b>CLASSIFIED FOR THE ENVIRONMENT ONLY — H411 (no health hazard classification)</b>                                                                                                                                                                                                                                                                                                         |
| Skin sensitisation       | Not classified — highest sensitiser: acetyl cedrene 0.98% < 1% (generic limit, Skin Sens. 1B). Sensitisers ≥ 0.1% (Acetyl cedrene, Ethyl linalool, Citrus limon fruit oil, 2-(2,2,7,7-Tetramethyltricyclo[6.2.1.0(1,6)]undec-5(4)-en-5-yl)propan-1-ol) require the supplemental statement EUH208. ⚠ Narrow margin: at a fragrance load above 10.2% the mixture becomes Skin Sens. 1 — H317. |
| Eye irritation           | Not classified — $\Sigma$ Eye Irrit. 2 = 2.23% (threshold: 10%).                                                                                                                                                                                                                                                                                                                            |
| Skin irritation          | Not classified — $\Sigma$ Skin Irrit. 2 = 0.85% (threshold: 10%).                                                                                                                                                                                                                                                                                                                           |
| Aquatic hazard — acute   | Not classified — $\Sigma(M \times \text{Acute } 1) = 3.34\% < 25\%$ .                                                                                                                                                                                                                                                                                                                       |
| Aquatic hazard — chronic | Aquatic Chronic 2 — H411. $\Sigma(M \times \text{Chronic } 1) = 3.34\% < 25\%$ (not Chronic 1); $10 \times M \times \text{Chronic } 1 + \text{Chronic } 2 = 33.42\% \geq 25\%$ .                                                                                                                                                                                                            |
| Acute toxicity (oral)    | Not classified — ATE mix $\approx 78,125$ mg/kg (threshold: 2000 mg/kg).                                                                                                                                                                                                                                                                                                                    |

|              |                                                                                                                                                                           |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b> | The pure fragrance (100%) is classified H319, H317, H400 and H410. Dilution removes the acute aquatic hazard and reduces the chronic one. See Annex — Calculation record. |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 2.2 Label elements



GHS09

|                                 |                                                                                                                                                                                              |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pictograms</b>               | GHS09 (environment)                                                                                                                                                                          |
| <b>Signal word</b>              | None (no signal word required)                                                                                                                                                               |
| <b>Hazard statements</b>        | <b>H411</b> Toxic to aquatic life with long lasting effects.                                                                                                                                 |
| <b>Precautionary statements</b> | <b>P273</b> Avoid release to the environment.<br><b>P391</b> Collect spillage.<br><b>P501</b> Dispose of contents/container in accordance with local regulations.                            |
| <b>Supplemental (EUH208)</b>    | <b>EUH208</b> Contains Acetyl cedrene, Ethyl linalool, Citrus limon fruit oil, 2-(2,2,7,7-Tetramethyltricyclo[6.2.1.0(1,6)]undec-5(4)-en-5-yl)propan-1-ol. May produce an allergic reaction. |
| <b>Finished product</b>         | Candles: candle safety labelling according to EN 15494 is also recommended.<br>Consumer product: add P102 and supplier name/address/telephone.                                               |

## 2.3 Other hazards

According to Annex XIII of the REACH Regulation, the mixture does not contain PBT or vPvB substances at  $\geq 0.1\%$ . It does not contain SVHC (Candidate List) substances at  $\geq 0.1\%$ .

The mixture does not contain substances with endocrine-disrupting properties at  $\geq 0.1\%$  (Delegated Regulation (EU) 2017/2100 / Regulation (EU) 2018/605).

Molten wax can cause thermal burns.

## SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

### 3.1 Characterisation of the mixture

Mixture: AMALFI LEMON & SUGAR fragrance at 10% in inert wax base (90%). Concentrations refer to the FINAL mixture at 10% (supplier SDS values  $\times 0.1$ ).

| Substance                                       | CAS / EC No.            | Conc. at 10% (%) | CLP classification (component)                                                                |
|-------------------------------------------------|-------------------------|------------------|-----------------------------------------------------------------------------------------------|
| Hexamethylindanopyran (galaxolide)              | 1222-05-5<br>214-946-9  | 1.94             | Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410); M = 1 (acute/chronic)                       |
| Ethyl vanillin (3-ethoxy-4-hydroxybenzaldehyde) | 121-32-4<br>204-464-7   | 1.18             | Eye Irrit. 2 (H319)                                                                           |
| Acetyl cedrene                                  | 32388-55-9<br>251-020-3 | 0.98             | Skin Sens. 1B (H317), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410); M = 1 (acute/chronic) |
| Ethyl maltol (2-ethyl-3-hydroxy-4H-pyran-4-one) | 4940-11-8<br>225-582-5  | 0.64             | Acute Tox. 4 (oral) (H302)                                                                    |
| Vanillin (4-hydroxy-3-methoxybenzaldehyde)      | 121-33-5<br>204-465-2   | 0.62             | Eye Irrit. 2 (H319)                                                                           |



| Substance                                                                  | CAS / EC No.             | Conc. at 10% (%) | CLP classification (component)                                                                                                                              |
|----------------------------------------------------------------------------|--------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethylene brassylate (1,4-dioxacycloheptadecane-5,17-dione)                 | 105-95-3<br>203-347-8    | 0.52             | Aquatic Chronic 3 (H412)                                                                                                                                    |
| Ethyl linalool                                                             | 10339-55-6<br>233-732-6  | 0.34             | Skin Irrit. 2 (H315), Skin Sens. 1B (H317), Eye Irrit. 2 (H319)                                                                                             |
| Citrus limon fruit oil (lemon oil)                                         | 8008-56-8<br>616-925-3   | 0.25             | Flam. Liq. 3 (H226), Asp. Tox. 1 (H304), Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410); M = 1 (acute/chronic) |
| 2-(2,2,7,7-Tetramethyltricyclo[6.2.1.0(1,6)]undec-5(4)-en-5-yl)propan-1-ol | 929625-08-1<br>482-030-8 | 0.16             | Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410); M = 1 (acute/chronic)                                          |
| Linalyl acetate                                                            | 115-95-7<br>204-116-4    | 0.08             | Skin Irrit. 2 (H315), Skin Sens. 1B (H317), Eye Irrit. 2 (H319)                                                                                             |
| Geraniol                                                                   | 106-24-1<br>203-377-1    | 0.03             | Skin Sens. 1 (H317)                                                                                                                                         |
| Geranyl acetate                                                            | 105-87-3<br>203-341-5    | 0.02             | Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Aquatic Chronic 3 (H412)                                                                                         |
| Ethyl methylphenylglycidate                                                | 77-83-8<br>201-061-8     | 0.02             | Skin Sens. 1B (H317), Aquatic Chronic 2 (H411)                                                                                                              |
| Nerolidol (3,7,11-trimethyl-1,6,10-dodecatrien-3-ol)                       | 7212-44-4<br>230-597-5   | 0.01             | Skin Sens. 1B (H317), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Irrit. 2 (H319); M = 1 (acute/chronic)                                          |
| Neryl acetate                                                              | 141-12-8<br>205-459-2    | 0.01             | Skin Sens. 1B (H317)                                                                                                                                        |
| Wax base (inert)                                                           | —                        | 90               | Not classified                                                                                                                                              |

Full text of H-statements: see Section 16. Other components are not classified or are below the relevant cut-off values.

Substances with Community workplace exposure limits: none. Endocrine disruptors > 0.1%: none. PBT/vPvB > 0.1%: none.

## SECTION 4: FIRST-AID MEASURES

### 4.1 Description of first aid measures

|                                          |                                                                                                                                                                                                                                       |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>                       | Rinse cautiously with water for at least 15 minutes, lifting eyelids. Remove contact lenses if easy to do. Continue rinsing. If eye irritation persists, seek medical advice.                                                         |
| <b>Skin contact</b>                      | Remove contaminated clothing. Wash 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. |
| <b>Inhalation</b>                        | Move the person to fresh air and keep at rest. If symptoms persist, seek medical advice.                                                                                                                                              |
| <b>Ingestion</b>                         | Rinse mouth. DO NOT induce vomiting. Contact Poison Control: +351 800 250 250.                                                                                                                                                        |
| <b>Most important symptoms / effects</b> | No significant acute effects expected. Repeated skin contact may cause allergic reactions in sensitised persons (EUH208).                                                                                                             |
| <b>Medical attention</b>                 | Treat symptomatically. Show this SDS to the doctor.                                                                                                                                                                                   |
| <b>Emergency telephone</b>               | Poison Control (CIAV/INEM): +351 800 250 250                                                                                                                                                                                          |



## SECTION 5: FIRE-FIGHTING MEASURES

|                                       |                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>   | Alcohol-resistant foam, dry chemical powder, carbon dioxide (CO <sub>2</sub> ), water spray. |
| <b>Unsuitable extinguishing media</b> | High-volume water jet.                                                                       |
| <b>Specific hazards</b>               | Combustion may release smoke, carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ).    |
| <b>PPE for firefighters</b>           | Self-contained breathing apparatus and full protective clothing.                             |
| <b>Special remarks</b>                | Collect contaminated fire-fighting water separately; it must not enter drains.               |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

|                                  |                                                                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>      | Wear gloves and eye protection. Avoid contact with skin and eyes. Ensure ventilation.                                                                  |
| <b>Environmental precautions</b> | Prevent entry into drains, watercourses or soil. If rivers or lakes are contaminated, inform the authorities.                                          |
| <b>Containment / clean-up</b>    | Solid wax: collect mechanically. Molten wax: allow to solidify and scrape up; absorb liquid residues with inert material. Place in a closed container. |
| <b>Disposal</b>                  | See Section 13.                                                                                                                                        |

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. 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 technical data sheet) and never above the fragrance flash point (101.6 °C). Weigh the fragrance accurately — see the 10.2% margin in Section 2. Do not leave melting wax unattended. Wash hands after use.

### 7.2 Conditions for safe storage

Store in a cool, dry, well-ventilated place (10–25 °C), protected from light and from heat and ignition sources. Keep containers tightly closed. Keep out of reach of children. Storage class (TRGS 510): 11 — Combustible solids.

### 7.3 Specific end use(s)

Candles, wax melts, reed diffusers and air-care products, within the IFRA limits in Section 15.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

The supplier's SDS lists no occupational exposure limits (OEL) for the components. DNEL and PNEC not available for the mixture.

### 8.2 Exposure controls

|                               |                                                                                              |
|-------------------------------|----------------------------------------------------------------------------------------------|
| <b>Engineering controls</b>   | Adequate general ventilation; local exhaust recommended for hot or large-scale operations.   |
| <b>Hand protection</b>        | Nitrile gloves (EN ISO 374 / EN 16523-1), breakthrough time ≥ 10 min for incidental contact. |
| <b>Eye protection</b>         | Safety glasses with side shields (EN 166).                                                   |
| <b>Skin / body protection</b> | Work clothing; apron for large quantities.                                                   |
| <b>Respiratory protection</b> | Not required under normal conditions with adequate ventilation.                              |
| <b>Thermal hazards</b>        | Molten wax: risk of burns. Wear heat-resistant gloves (EN 407).                              |



|                        |                                                |
|------------------------|------------------------------------------------|
| Environmental exposure | Do not discharge to drains or the environment. |
|------------------------|------------------------------------------------|

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                |                                                                                       |
|----------------|---------------------------------------------------------------------------------------|
| Physical state | Solid at 20 °C (wax); liquid when molten                                              |
| Colour         | White/ivory to pale yellow (depends on wax base)                                      |
| Odour          | Characteristic — lemon sherbet, sugar, strawberry, vanilla, musk                      |
| pH             | Not applicable                                                                        |
| Melting point  | Depends on wax base (typically 45–65 °C)                                              |
| Flash point    | > 100 °C (estimated; pure fragrance 101.6 °C closed cup; wax base typically > 200 °C) |
| Density        | ≈ 0.90–0.95 g/cm <sup>3</sup> at 20 °C (depends on wax)                               |
| Solubility     | Insoluble in water                                                                    |

## SECTION 10: STABILITY AND REACTIVITY

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| Reactivity                       | No dangerous reaction known under normal conditions of use.                             |
| Chemical stability               | Stable under normal conditions of use and storage.                                      |
| Conditions to avoid              | Heat, open flames, ignition sources, prolonged direct sunlight, overheating of the wax. |
| Incompatible materials           | Strong oxidising agents.                                                                |
| Hazardous decomposition products | In case of combustion: CO, CO <sub>2</sub> and smoke.                                   |

## SECTION 11: TOXICOLOGICAL INFORMATION

This mixture at 10% has not been tested as a whole. The assessment is based on the CLP calculation method, using component data from the supplier's SDS (issued 02/10/2026) and the allergen certificate (extended list).

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Acute toxicity (oral) | Calculated ATE mix ≈ 78,125 mg/kg — not classified.         |
| Skin irritation       | Not classified.                                             |
| Eye irritation        | Not classified.                                             |
| Skin sensitisation    | Not classified (acetyl cedrene 0.98% < 1%); EUH208 applies. |
| CMR, STOT, aspiration | Not classified.                                             |

## SECTION 12: ECOLOGICAL INFORMATION

|                                              |                                                                                                                                                                                     |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Toxicity                                     | Aquatic toxicity (at 10%): Aquatic Chronic 2 — H411. The pure fragrance (100%) is Aquatic Acute 1 / Chronic 1 (H400, H410), mainly due to hexamethylindanopyran and acetyl cedrene. |
| Persistence and degradability                | The mixture does not meet the criteria for classification as persistent (supplier data).                                                                                            |
| Bioaccumulative potential / mobility in soil | No data available.                                                                                                                                                                  |
| PBT / vPvB                                   | Does not contain PBT or vPvB substances at ≥ 0.1%.                                                                                                                                  |
| Endocrine disrupting properties              | None identified.                                                                                                                                                                    |



### SECTION 13: DISPOSAL CONSIDERATIONS

Product waste: hazardous properties HP14 (ecotoxic). Dispose of through a licensed operator according to local/national regulations (Decree-Law 102-D/2020). Do not discharge to sewers or watercourses.

Contaminated packaging: empty completely; do not reuse for food; dispose of through an authorised waste operator.

### SECTION 14: TRANSPORT INFORMATION

At 10% the mixture is Aquatic Chronic 2 and is therefore an environmentally hazardous substance for transport (ADR 2.2.9.1.10).

|                         |                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UN number               | UN 3077                                                                                                                                                                                                                                                |
| Proper shipping name    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.<br>(hexamethylindanopyran, acetyl cedrene)                                                                                                                                                          |
| Class / packing group   | 9 / III                                                                                                                                                                                                                                                |
| Environmental hazard    | Yes — marine pollutant                                                                                                                                                                                                                                 |
| Small-package exemption | ADR/RID special provision 375, IMDG 2.10.2.7 and IATA A197: single or inner packagings ≤ 5 kg net are NOT subject to the dangerous-goods regulations. Finished candles and wax melts shipped in normal retail packaging are covered by this exemption. |

### SECTION 15: REGULATORY INFORMATION

Applicable regulations:

- Regulation (EC) No. 1272/2008 (CLP) — classification and labelling
- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EU) 2020/878 — SDS format
- Regulation (EU) 2023/988 (GPSR) — for consumer products

**PCN notification (CLP Annex VIII): NOT REQUIRED at 10% — the mixture is classified only for environmental hazards (H411), which are outside the scope of Annex VIII. EUH208 is a supplemental statement, not a classification. If the load exceeds 10.2% (H317), PCN becomes required.**

REACH: no SVHC (Candidate List) or Annex XIV substances. Annex XVII: no restriction relevant to candles and air care.

IFRA (51st Amendment): limit for candles (Category 12) = 100.00%. At 10% it complies.

Chemical safety assessment: not carried out for the mixture.

### SECTION 16: OTHER INFORMATION

Date of preparation: October 2026 — 10% preparation based on the manufacturer's SDS (ref. FN1008960, version 1 of 08/10/2025, issued 02/10/2026), the allergen certificate — extended list (02/10/2026) and the IFRA 51 certificate (02/10/2026).

Prepared by: Eco Candle Project (Vegteam, Lda.) — based on supplier data. Version 1.0 — first issue.

**Full text of H-statements:** 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. 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. EUH208 Contains (name of sensitising substance). May produce an allergic reaction.

**Acronyms:** ATE = Acute Toxicity Estimate; SCL = Specific Concentration Limit; UFI = Unique Formula Identifier; PCN = Poison Centre Notification; MIM = Mixture in Mixture; HP = hazardous property of waste.



This document is intended for internal use and B2B communication. The information is based on our present knowledge and on supplier data and does not constitute a guarantee of product properties. Eco Candle Project assumes no liability for unintended uses. If a base other than an inert wax is used, the classification must be recalculated.

## ANNEX — CALCULATION RECORD (10%)

Method: each component % in the supplier's SDS  $\times 0.1$ ; summation/additivity rules of CLP Annex I; generic concentration limits (no SCLs declared by the supplier); M = 1 for all Aquatic Acute 1 / Chronic 1 components; ATE for ethyl maltol = 500 mg/kg (converted point estimate, Acute Tox. 4 oral, as used by the supplier). Base = 0% contribution.

| Hazard class          | Fragrance 100% (supplier)    | Calculation at 10% / threshold                                                                                                                          | Result at 10%            |
|-----------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Acute toxicity (oral) | Not classified (ATE 7,812.5) | $ATE = 100 / (0.64 / 500) \approx 78,125$<br>mg/kg / $\leq 2000$                                                                                        | Not classified           |
| Skin irritation       | Not classified (8.5%)        | $\Sigma$ Skin Irrit. 2 = 0.85% / $\geq 10\%$                                                                                                            | Not classified           |
| Eye irritation        | Eye Irrit. 2 — H319          | $\Sigma$ Eye Irrit. 2 = 2.23% / $\geq 10\%$                                                                                                             | Not classified           |
| Skin sensitisation    | Skin Sens. 1 — H317          | Acetyl cedrene 0.98%; ethyl linalool 0.34%; lemon oil 0.25% / $\geq 1\%$<br>(classify) $\cdot \geq 0.1\%$ (EUH208)                                      | Not classified (EUH208)  |
| Aspiration            | Not classified               | $\Sigma$ Asp. Tox. 1 = 0.25% / $\geq 10\%$                                                                                                              | Not classified           |
| Aquatic acute         | Aquatic Acute 1 — H400       | $\Sigma M \times$ Acute 1 = 3.34% / $\geq 25\%$                                                                                                         | Not classified           |
| Aquatic chronic       | Aquatic Chronic 1 — H410     | C1: 3.34% / $\geq 25\%$<br>C2: $10 \times 3.34 + 0.02 = 33.42\%$ / $\geq 25\%$<br>C3: $100 \times 3.34 + 10 \times 0.02 + 0.54 = 334.7\%$ / $\geq 25\%$ | Aquatic Chronic 2 — H411 |
| Physical hazards      | Not classified (FP 101.6 °C) | FP > 60 °C                                                                                                                                              | Not classified           |

**Conclusion: H411 (GHS09) + EUH208.**