

SAFETY DATA SHEET

AMALFI LEMON & SUGAR — 5% preparation in 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 5% of AMALFI LEMON & SUGAR fragrance and 95% of non-hazardous 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 5% in non-hazardous base
Fragrance reference	AMALFI LEMON & SUGAR
UFI (pure fragrance)	P200-U0CW-600Y-QM9J
Base	Non-hazardous, non-classified base — 95%
Intended use	Air-care products and non-cosmetic applications in a non-hazardous base. 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 5% incorporation (additivity / summation method, CLP Annex I):

Result	CLASSIFIED FOR THE ENVIRONMENT ONLY — H412 (no health hazard classification)
Skin sensitisation	Not classified — highest sensitiser: acetyl cedrene 0.49% < 1% (generic limit, Skin Sens. 1B). Sensitisers ≥ 0.1% (Acetyl cedrene, Ethyl linalool, Citrus limon fruit oil) require the supplemental statement EUH208.
Eye irritation	Not classified — Σ Eye Irrit. 2 = 1.115% (threshold: 10%).
Skin irritation	Not classified — Σ Skin Irrit. 2 = 0.425% (threshold: 10%).
Aquatic hazard — acute	Not classified — $\Sigma(M \times \text{Acute } 1) = 1.67\% < 25\%$.
Aquatic hazard — chronic	Aquatic Chronic 3 — H412. $100 \times M \times \text{Chronic } 1 + 10 \times \text{Chronic } 2 + \text{Chronic } 3 = 167.4\% \geq 25\%$ (Chronic 2 test: 16.71% < 25%).
Acute toxicity (oral)	Not classified — ATE mix $\approx 156,250$ mg/kg (threshold: 2000 mg/kg).
Notes	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

Pictograms	None required
Signal word	None (no signal word required)
Hazard statements	H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with local regulations.
Supplemental (EUH208)	EUH208 Contains Acetyl cedrene, Ethyl linalool, Citrus limon fruit oil. May produce an allergic reaction.
Finished product	Consumer product: add P102 and the name/address/telephone of the supplier. Label the finished product according to its use (CLP and applicable standards).

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).

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

3.1 Characterisation of the mixture

Mixture: AMALFI LEMON & SUGAR fragrance at 5% in inert base (95%). Concentrations refer to the FINAL mixture at 5% (supplier SDS values $\times 0.05$).

Substance	CAS / EC No.	Conc. at 5% (%)	CLP classification (component)
Hexamethylindanopyran (galaxolide)	1222-05-5 214-946-9	0.97	Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410); M = 1 (acute/chronic)
Ethyl vanillin (3-ethoxy-4-hydroxybenzaldehyde)	121-32-4 204-464-7	0.59	Eye Irrit. 2 (H319)
Acetyl cedrene	32388-55-9 251-020-3	0.49	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)	4940-11-8 225-582-5	0.32	Acute Tox. 4 (oral) (H302)
Vanillin (4-hydroxy-3-methoxybenzaldehyde)	121-33-5 204-465-2	0.31	Eye Irrit. 2 (H319)
Ethylene brassylate (1,4-dioxacycloheptadecane-5,17-dione)	105-95-3 203-347-8	0.26	Aquatic Chronic 3 (H412)
Ethyl linalool	10339-55-6 233-732-6	0.17	Skin Irrit. 2 (H315), Skin Sens. 1B (H317), Eye Irrit. 2 (H319)
Citrus limon fruit oil (lemon oil)	8008-56-8 616-925-3	0.125	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	929625-08-1 482-030-8	0.08	Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410); M = 1 (acute/chronic)
Linalyl acetate	115-95-7 204-116-4	0.04	Skin Irrit. 2 (H315), Skin Sens. 1B (H317), Eye Irrit. 2 (H319)



Substance	CAS / EC No.	Conc. at 5% (%)	CLP classification (component)
Geraniol	106-24-1 203-377-1	0.015	Skin Sens. 1 (H317)
Geranyl acetate	105-87-3 203-341-5	0.01	Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Aquatic Chronic 3 (H412)
Ethyl methylphenylglycidate	77-83-8 201-061-8	0.01	Skin Sens. 1B (H317), Aquatic Chronic 2 (H411)
Nerolidol (3,7,11-trimethyl-1,6,10-dodecatrien-3-ol)	7212-44-4 230-597-5	0.005	Skin Sens. 1B (H317), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Irrit. 2 (H319); M = 1 (acute/chronic)
Neryl acetate	141-12-8 205-459-2	0.005	Skin Sens. 1B (H317)
Inert base	—	95	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

Eye contact	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.
Skin contact	Remove contaminated clothing. Wash 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 Poison Control: +351 800 250 250.
Most important symptoms / effects	No significant acute effects expected. Repeated skin contact may cause allergic reactions in sensitised persons (EUH208).
Medical attention	Treat symptomatically. Show this SDS to the doctor.
Emergency telephone	Poison Control (CIAV/INEM): +351 800 250 250

SECTION 5: FIRE-FIGHTING MEASURES

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear gloves and eye protection. Avoid contact with skin and eyes. Ensure ventilation.
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Environmental precautions	Prevent entry into drains, watercourses or soil. If rivers or lakes are contaminated, inform the authorities.
Containment / clean-up	Collect mechanically (solids) or absorb with inert material (liquids). Place in a closed container for disposal.
Disposal	See Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Wear protective gloves. Ensure good ventilation. Do not eat, drink or smoke while handling. 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.

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

Engineering controls	Adequate general ventilation; local exhaust recommended for hot or large-scale operations.
Hand protection	Nitrile gloves (EN ISO 374 / EN 16523-1), breakthrough time $\geq$ 10 min for incidental contact.
Eye protection	Safety glasses with side shields (EN 166).
Skin / body protection	Work clothing; apron for large quantities.
Respiratory protection	Not required under normal conditions with adequate ventilation.
Thermal hazards	Not applicable, unless the base is heated.
Environmental exposure	Do not discharge to drains or the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Depends on the base (liquid or solid)
Colour	Depends on the base
Odour	Characteristic — lemon sherbet, sugar, strawberry, vanilla, musk
pH	Not applicable
Flash point	Determined by the base (pure fragrance: 101.6 °C, closed cup)
Density	Depends on the base
Solubility	Fragrance practically 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.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	In case of combustion: CO, CO ₂ and smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

This mixture at 5% 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 $\approx$ 156,250 mg/kg — not classified.
Skin irritation	Not classified.
Eye irritation	Not classified.
Skin sensitisation	Not classified (acetyl cedrene 0.49% < 1%); EUH208 applies.
CMR, STOT, aspiration	Not classified.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity	Aquatic toxicity (at 5%): Aquatic Chronic 3 — H412. 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 $\geq$ 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

Transport classification (at 5%): not classified as dangerous goods (ADR/RID/IMDG/IATA) — Aquatic Chronic 3 is not regulated for transport.

UN number	Not applicable
Proper shipping name	Not regulated
Class / packing group	Not applicable
Marine pollutant	No

If the base is flammable (e.g. ethanol-based room spray), transport classification must be re-assessed. The pure fragrance (100%) is UN 3082, class 9.

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 5% — the mixture is classified only for environmental hazards (H412), which are outside the scope of Annex VIII. EUH208 is a supplemental statement, not a classification.

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

IFRA (51st Amendment): at 5% it complies with Categories 1, 2, 3, 4, 5A, 5B, 5C, 7A, 7B, 9, 10A, 10B and 12. It does NOT comply with Categories 5D, 6, 8, 11A and 11B (max. 4.00%). See IFRA certificate.

Chemical safety assessment: not carried out for the mixture.

SECTION 16: OTHER INFORMATION

Date of preparation: October 2026 — 5% 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 base is used, the classification must be recalculated.

ANNEX — CALCULATION RECORD (5%)

Method: each component % in the supplier's SDS $\times$ 0.05; 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 5% / threshold	Result at 5%
Acute toxicity (oral)	Not classified (ATE 7,812.5)	$ATE = 100 / (0.32 / 500) \approx 156,250$ mg/kg / ≤ 2000	Not classified
Skin irritation	Not classified (8.5%)	Σ Skin Irrit. 2 = $0.425\% / \geq 10\%$	Not classified
Eye irritation	Eye Irrit. 2 — H319	Σ Eye Irrit. 2 = $1.12\% / \geq 10\%$	Not classified
Skin sensitisation	Skin Sens. 1 — H317	Acetyl cedrene 0.49%; ethyl linalool 0.17%; lemon oil 0.125% / $\geq 1\%$ (classify) $\cdot \geq 0.1\%$ (EUH208)	Not classified (EUH208)
Aspiration	Not classified	Σ Asp. Tox. 1 = $0.125\% / \geq 10\%$	Not classified
Aquatic acute	Aquatic Acute 1 — H400	$\Sigma M \times$ Acute 1 = $1.67\% / \geq 25\%$	Not classified



Hazard class	Fragrance 100% (supplier)	Calculation at 5% / threshold	Result at 5%
Aquatic chronic	Aquatic Chronic 1 — H410	C1: 1.67% / $\geq 25\%$ C2: $10 \times 1.67 + 0.01 = 16.71\%$ / $\geq 25\%$ C3: $100 \times 1.67 + 10 \times 0.01 + 0.27 = 167.4\%$ / $\geq 25\%$	Aquatic Chronic 3 — H412
Physical hazards	Not classified (FP 101.6 °C)	FP > 60 °C	Not classified

Conclusion: H412 (no pictogram, no signal word) + EUH208.