

SAFETY DATA SHEET

BLUE CEDAR & ORANGE — @ 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 BLUE CEDAR & ORANGE fragrance and 90% of wax, considered a 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 BLUE CEDAR & ORANGE at 10% in wax (non-hazardous base)
Fragrance Reference	BLUE CEDAR & ORANGE
UFI (pure fragrance)	PE00-V04G-E00W-C2J0
Base	Wax, non-classified (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 method, CLP Annex I):

Result	MIXTURE CLASSIFIED AS HAZARDOUS — H319, H412 (GHS07, Warning)
Skin sensitisation	Not classified — 4-tert-butylcyclohexyl acetate 0.85%, d-limonene 0.40%, acetyl cedrene 0.17%, OTNE 0.15% (all below the generic 1% limit). EUH208 statement required (sensitisers $\geq 0.1\%$).
Skin irritation	Not classified — Σ Skin Irrit. 2 = 0.60% (threshold: 10%).
Eye irritation	Eye Irrit. 2 — H319. 2-phenoxyethanol (Eye Dam. 1) 1.72% ($\geq 1\%$ and $< 3\%$ → Category 2).
Aquatic Hazard Chronic	Aquatic Chronic 3 — H412. $100 \times M \times \Sigma$ Chronic 1 + $10 \times \Sigma$ Chronic 2 + Σ Chronic 3 = 76.7% $\geq 25\%$ (Chronic 2: 7.6% $< 25\%$).
Acute toxicity (oral)	Not classified — ATE mix $\approx 81,000$ mg/kg (threshold: 2000 mg/kg)
Notes	The pure fragrance (100%) is classified H318, H317 and H411. At 10% eye damage falls to Eye Irrit. 2 (H319) and the aquatic hazard to Chronic 3 (H412); sensitisation falls below the limits, but the sensitisers present require the EUH208 statement. See Annex — Calculation record.

2.2 Label Elements

Pictograms	 GHS07 (exclamation mark)
Signal Word	Warning
Hazard Statements	H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.
Precautionary Statements	P280 Wear eye protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with local regulations.
Supplemental statements	EUH208 Contains 4-tert-butylcyclohexyl acetate, d-limonene, acetyl cedrene and OTNE. May produce an allergic reaction.
Finished product	Candles: safety labelling according to EN 15494 is also recommended. Consumer products: add P101/P102.

2.3 Other hazards

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

The mixture does not contain substances with endocrine-disrupting properties at $\geq 0.1\%$.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

3.1 Characterisation of the mixture

Mixture: BLUE CEDAR & ORANGE fragrance at 10% in wax (90%). Concentrations refer to the FINAL mixture at 10% (content in the pure fragrance $\times 0.1$).

Note: contents from the supplier SDS (issued 01/10/2026); only classified components are listed. Concentrations in the final mixture = content in the pure fragrance $\times 0.1$.

Substance	CAS No.	Conc. (%)	CLP Classification (component)
2-Phenoxyethanol	122-99-6	1.72	H302, H318, H335
4-tert-Butylcyclohexyl acetate	32210-23-4	0.85	H317 (1B)
(R)-p-Mentha-1,8-diene (d-limonene) / orange oil	68647-72-3 / 8028-48-6	0.4	H226, H304, H315, H317, H400, H410
Benzyl acetate	140-11-4	0.21	H412
Patchouli oil (Pogostemon cablin)	8014-09-3 / 84238-39-1	0.18	H304

Substance	CAS No.	Conc. (%)	CLP Classification (component)
Acetyl cedrene	32388-55-9	0.17	H317 (1B), H400 (M=1), H410 (M=1)
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,5,5-tetramethyl-2-naphthalenyl)ethanone (OTNE)	54464-57-2	0.15	H315, H317, H410
Atlas cedarwood oil (Cedrus atlantica)	8023-85-6 / 92201-55-3	0.14	H304, H411
Terpinyl acetate	8007-35-0	0.09	H411
Hexyl cinnamal	101-86-0	0.05	H317 (1B), H400, H411
4,4a,5,9b-Tetrahydroindeno[1,2-d]-1,3-dioxin	18096-62-3	0.04	H361f
2,4-Dimethylcyclohex-3-ene-1-carbaldehyde	68039-49-6	0.03	H315, H317 (1B), H411
Ethyl 2-naphthyl ether (nerolin)	93-18-5	0.02	H319, H411
Nerol (cis-3,7-dimethyl-2,6-octadien-1-ol)	106-25-2	0.02	H315, H319, H317 (1B)
Hexamethylindanopyran (galaxolide)	1222-05-5	0.01	H400, H410
Amyl cinnamal	122-40-7	0.01	H317, H411
Hydroxycitronellal	107-75-5	0.01	H317 (1B), H319
Eugenol	97-53-0	0.01	H317 (1B), H319
Coumarin	91-64-5	0.01	H302, H317, H412
2-tert-Butylcyclohexyl acetate	88-41-5	0.005	H411
Base wax (inert)	—	90	Not classified

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures

Eye contact	IF IN EYES: Rinse cautiously with water for several minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. If eye irritation persists: get medical advice.
Skin contact	Wash with 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 in case of 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 Poison Control: +351 800 250 250.
Symptoms / effects	May cause an allergic skin reaction. Causes serious eye irritation.

Emergency telephone	Poison Control (CIAV/INEM): +351 800 250 250
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SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray, alcohol-resistant foam, dry chemical powder, carbon dioxide (CO ₂).
Unsuitable extinguishing media	High-volume water jet. Never use water on burning molten wax.
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.
Environmental precautions	Prevent entry into drains, watercourses or soil. If rivers or lakes are contaminated, inform the authorities.
Containment/Cleanup	Solid wax: collect mechanically. Molten wax: allow to solidify and scrape off; absorb liquid residues with inert material. Place in a closed container.
Disposal	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 the temperature indicated in the wax technical data sheet. The flash point of the pure fragrance is not stated by the supplier — work away from flames and ignition sources, with good ventilation and without overheating, and close the fragrance container immediately. Never leave molten wax unattended. Wash hands after use.

7.2 Conditions for safe storage

Store in a cool, dry, well-ventilated place (10–30 °C), protected from direct sunlight and from heat and ignition sources. Keep out of reach of children. Storage class (TRGS 510): 11 — Combustible solids.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

The supplier's SDS lists no occupational exposure limits (OEL) for the fragrance 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 ≥ 10 min for incidental contact.
Eye protection	Safety glasses with side shields (EN 166); tightly fitting goggles when handling the pure fragrance.
Respiratory protection	Not required under normal conditions with adequate ventilation.
Thermal hazards	Molten wax: risk of burns. Wear heat-resistant gloves (EN 407).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid at 20 °C (wax); liquid when molten
Colour	White/ivory to pale yellow (depends on the base wax)
Odour	Characteristic — bitter orange, orange blossom, patchouli-woody
pH	Not applicable
Melting point	Depends on the base wax (typically 45–65 °C)
Flash point	Not determined for the mixture (pure fragrance: not stated by the supplier, not classified as flammable; base wax typically > 200 °C). Solid at ambient temperature — not classified as flammable.
Density	$\approx 0.90\text{--}0.95$ g/cm ³ at 20 °C (depends on the base wax)
Solubility	Insoluble in water; soluble in oils and organic solvents
Vapour pressure	Low (not determined for the pure fragrance)

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions of use and storage.
Reactivity	Does not decompose if stored and used as directed.
Conditions to avoid	Overheating of the wax, open flames and 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 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 (v1, 03/06/2025) and the allergen certificate (03/06/2025).

Acute toxicity (oral): calculated ATE mix $\approx 81,000$ mg/kg — not classified.

Skin corrosion/irritation: not classified (Σ Skin Irrit. 2 = 0.60%).

Skin sensitisation: not classified (4-tert-butylcyclohexyl acetate 0.85% < 1%). Contains sensitisers $\geq 0.1\%$ — EUH208.

Eye irritation: Eye Irrit. 2 — H319 (2-phenoxyethanol 1.72%).

Germ cell mutagenicity, carcinogenicity, reproductive toxicity, STOT and aspiration hazard: not classified (Repr. 2 component < 3% already in the pure fragrance; 2-phenoxyethanol STOT SE 3 far below 20%).

SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity (at 10%): Aquatic Chronic 3 — H412.

Note: The pure fragrance (100%) classifies Aquatic Chronic 2, H411 (supplier). Aquatic Chronic 1 components: d-limonene, acetyl cedrene (M = 1), OTNE and hexamethylindanopyran (galaxolide).

Persistence, degradability and bioaccumulation: not available for the mixture.

PBT/vPvB assessment: the mixture does not contain PBT or vPvB substances at $\geq 0.1\%$ (REACH Annex XIII).

SECTION 13: DISPOSAL CONSIDERATIONS

Product waste: hazardous property HP14 (ecotoxic — $100 \times \Sigma H410 \times M + 10 \times \Sigma H411 + \Sigma H412 \geq 76.7\% \geq 25\%$). Dispose of through a licensed operator according to local/national regulations. Do not discharge to sewers.

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

SECTION 14: TRANSPORT INFORMATION

Transport classification (at 10%):

- UN number: not applicable
- Proper shipping name: not regulated
- Class / Packing group: not applicable
- Environmental hazard / marine pollutant: no

Note: Not classified as dangerous goods (ADR/RID/IMDG/IATA) — Aquatic Chronic 3 does not meet the transport criteria. The pure fragrance (BLUE CEDAR & ORANGE 100%) IS regulated: UN 3082, class 9, PG III, environmentally hazardous.

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

PCN notification (CLP Annex VIII): REQUIRED for a finished product placed on the market with this classification (health hazard H319). The manufacturer of the candle/wax melt submits the PCN; the pure fragrance can be declared as a mixture-in-mixture using its UFI PE00-V04G-E00W-C2J0.

REACH Annex XVII: pure fragrance subject to entries 3 and 75 (tattoo inks — not relevant). No SVHC or Annex XIV substances.

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

SECTION 16: OTHER INFORMATION

Date of preparation: October 2026 — 10% preparation based on the BLUE CEDAR & ORANGE supplier SDS (issued 01/10/2026), the allergen certificate (03/06/2025) and the IFRA 51 certificate (03/06/2025).

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

Full text of H- and EUH-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. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H361f Suspected of damaging fertility. 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 4-tert-butylcyclohexyl acetate, d-limonene, acetyl cedrene and OTNE. May produce an allergic reaction.

Acronyms: ATE = Acute Toxicity Estimate; SCL = Specific Concentration Limit; UFI = Unique Formula Identifier; PCN = Poison Centre Notification.

This document is intended for internal use and B2B communication. Eco Candle Project assumes no liability for unintended uses. If a base other than inert base wax is used, the classification must be recalculated.

ANNEX — CALCULATION RECORD (10% IN INERT BASE WAX)

Method: content of each component in the pure fragrance (supplier SDS, 01/10/2026) × 0.1. Inert base = 0% contribution. M-factor = 1 (acetyl cedrene, supplier; assumed 1 for the other Aquatic 1 components).

Hazard class	Fragrance 100% (supplier)	Calculation at 10% / threshold	Result at 10%
Acute toxicity (oral)	Not classified (ATE 8104.65)	$8104.65 / 0.1 \approx 81,000 \text{ mg/kg} / \leq 2000$	Not classified
Skin corrosion/irritation	Not classified	$\Sigma \text{ Skin Irrit. 2} = 0.60\% / \geq 10\%$	Not classified
Serious eye damage/irritation	Eye Dam. 1 — H318	2-phenoxyethanol (Eye Dam. 1) 1.72% / $\geq 1\%$ (Cat. 2), $\geq 3\%$ (Cat. 1)	Eye Irrit. 2 — H319
Skin sensitisation	Skin Sens. 1 — H317	4-tert-butylcyclohexyl acetate 0.85%; d-limonene 0.40%; acetyl cedrene 0.17%; OTNE 0.15% (limit 1%)	Not classified — EUH208
Reproductive toxicity	Not classified	Repr. 2: 0.04% / $\geq 3\%$	Not classified
Aquatic acute	Not classified	$\Sigma \text{ Aquatic Acute 1} \times M = 0.63\% / \geq 25\%$	Not classified
Aquatic chronic	Aquatic Chronic 2 — H411	Chronic 2: $10 \times \Sigma C1 + \Sigma C2 = 7.6\% / \geq 25\%$; Chronic 3: $100 \times \Sigma C1 + 10 \times \Sigma C2 + \Sigma C3 = 76.7\% / \geq 25\%$	Aquatic Chronic 3 — H412
Physical hazards	Not classified	Solid mixture; fragrance not classified as flammable	Not classified

Conclusion: mixture classified H319 and H412 — GHS07, Warning + EUH208.