

SAFETY DATA SHEET

BLUE CEDAR & ORANGE — @ 25% preparation in AUGEO®

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

△ NOTE: This document applies to the final mixture containing 25% of BLUE CEDAR & ORANGE fragrance and 75% of AUGEO® (classified Eye Irrit. 2, H319). All hazard, composition and concentration data have been recalculated from the supplier SDSs (fragrance and AUGEO®) using the CLP calculation method.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identification

Product Name	Preparation with BLUE CEDAR & ORANGE at 25% in AUGEO® Clean Multi
Fragrance Reference	BLUE CEDAR & ORANGE
UFI (pure fragrance)	PE00-V04G-E00W-C2J0
Base	AUGEO® Clean Multi (2,2-dimethyl-1,3-dioxolane-4-methanol, CAS 100-79-8) — 75%
Intended Use	Reed diffusers, room sprays and liquid air-care products. 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 25% incorporation in AUGEO® (additivity method, CLP Annex I):

Result	MIXTURE CLASSIFIED AS HAZARDOUS — H318, H317, H412 (GHS05, GHS07, Danger)
Eye damage	Eye Dam. 1 — H318. 2-phenoxyethanol (Eye Dam. 1) = 4.3% $\geq$ 3% → Category 1. (AUGEO®Eye Irrit. 2, adds a further 75%).
Skin sensitisation	Skin Sens. 1 — H317. 4-tert-butylcyclohexyl acetate 2.13% and d-limonene 1.0% $\geq$ generic 1% limit.
Skin irritation	Not classified — Σ Skin Irrit. 2 = 1.5% (threshold: 10%).
Aquatic Hazard Chronic	Aquatic Chronic 3 — H412. $100 \times M \times \Sigma \text{Chronic 1} + 10 \times \Sigma \text{Chronic 2} + \Sigma \text{Chronic 3} = 191.7\% \geq 25\%$ (Chronic 2: $10 \times \Sigma C1 + \Sigma C2 = 19.1\% < 25\%$).
Acute toxicity (oral)	Not classified — ATE mix $\approx$ 32,400 mg/kg (threshold: 2000 mg/kg)
Notes	At 25% in AUGEO® the mixture keeps serious eye damage (H318) because 2-phenoxyethanol stays above 3%, and skin sensitisation (H317). Aquatic hazard falls to Chronic 3 (H412). See Annex — Calculation record.

2.2 Label Elements

Pictograms	  GHS05 GHS07
Signal Word	Danger
Hazard Statements	H318 Causes serious eye damage. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
Precautionary Statements	P280 Wear protective gloves/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. P310 Immediately call a POISON CENTER or doctor. P302+P352 IF ON SKIN: Wash with plenty of water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with local regulations.
Contains	2-phenoxyethanol; 4-tert-butylcyclohexyl acetate; d-limonene. Also contains acetyl cedrene, OTNE and hexyl cinnamal (sensitisers $\geq 0.1\%$).
Finished product	Consumer reed diffusers/sprays: add P101 and P102; label according to CLP. Check child-resistant packaging requirements for the final format.

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 25% in AUGEO® (75%). Concentrations refer to the FINAL mixture at 25% (content in the pure fragrance $\times 0.25$).

Note: fragrance contents from the supplier SDS (issued 01/10/2026); AUGEO® Clean Multi data from the manufacturer's SDS ($\geq 99\%$ 2,2-dimethyl-1,3-dioxolane-4-methanol, Eye Irrit. 2, H319; flash point 91 °C).

Substance	CAS No.	Conc. (%)	CLP Classification (component)
AUGEO® (2,2-dimethyl-1,3-dioxolane-4-methanol)	100-79-8	75	H319

Substance	CAS No.	Conc. (%)	CLP Classification (component)
2-Phenoxyethanol	122-99-6	4.3	H302, H318, H335
4-tert-Butylcyclohexyl acetate	32210-23-4	2.125	H317 (1B)
(R)-p-Mentha-1,8-diene (d-limonene) / orange oil	68647-72-3 / 8028-48-6	1	H226, H304, H315, H317, H400, H410
Benzyl acetate	140-11-4	0.525	H412
Patchouli oil (Pogostemon cablin)	8014-09-3 / 84238-39-1	0.45	H304
Acetyl cedrene	32388-55-9	0.425	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	0.375	H315, H317, H410
Atlas cedarwood oil (Cedrus atlantica)	8023-85-6 / 92201-55-3	0.35	H304, H411
Terpinyl acetate	8007-35-0	0.225	H411
Hexyl cinnamal	101-86-0	0.125	H317 (1B), H400, H411
4,4a,5,9b-Tetrahydroindeno[1,2-d]-1,3-dioxin	18096-62-3	0.1	H361f
2,4-Dimethylcyclohex-3-ene-1-carbaldehyde	68039-49-6	0.075	H315, H317 (1B), H411
Ethyl 2-naphthyl ether (nerolin)	93-18-5	0.05	H319, H411
Nerol (cis-3,7-dimethyl-2,6-octadien-1-ol)	106-25-2	0.05	H315, H319, H317 (1B)
Hexamethylindanopyran (galaxolide)	1222-05-5	0.025	H400, H410
Amyl cinnamal	122-40-7	0.025	H317, H411
Hydroxycitronellal	107-75-5	0.025	H317 (1B), H319
Eugenol	97-53-0	0.025	H317 (1B), H319
Coumarin	91-64-5	0.025	H302, H317, H412
2-tert-Butylcyclohexyl acetate	88-41-5	0.0125	H411

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures

Eye contact	IF IN EYES: Rinse cautiously with water for at least 15 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call Poison Control (CIAV 800 250 250) or a doctor.
Skin contact	Wash with plenty of soap and water. Take off contaminated clothing. 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.
Symptoms / effects	Causes serious eye damage. May cause an allergic skin reaction.
Emergency telephone	Poison Control (CIAV/INEM): +351 800 250 250

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.
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	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 and tightly fitting safety goggles. 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 (10–30 °C), protected from light and from heat and ignition sources. Keep containers closed. Keep out of reach of children.

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	Tightly fitting safety goggles (EN 166); face shield where splashing is possible. Eye-wash station nearby.
Respiratory protection	Not required under normal conditions with adequate ventilation.
Thermal hazards	Not applicable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Colour	Colourless to pale yellow
Odour	Characteristic — fresh bitter orange, orange blossom, cedarwood
pH	Not applicable
Flash point	Not determined for the mixture (AUGEO® Clean Multi: 91 °C, closed cup; fragrance: not stated by the supplier, not classified as flammable). Not classified as flammable.
Density	$\approx 1.04\text{--}1.06 \text{ g/cm}^3$ at 20 °C (AUGEO® Clean Multi: 1.067 g/cm^3)
Solubility	AUGEO® is water-miscible; the fragrance is practically insoluble in water
Vapour pressure	Low (not determined for the mixture)

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	Excessive heat, 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 25% has not been tested as a whole. The assessment is based on the CLP calculation method, using component data from the fragrance supplier SDS (issued 01/10/2026) and the AUGEO® SDS.

Acute toxicity (oral): calculated ATE mix $\approx$ 32,400 mg/kg — not classified.

Skin corrosion/irritation: not classified (Σ Skin Irrit. 2 = 1.5%).

Skin sensitisation: Skin Sens. 1 — H317 (4-tert-butylcyclohexyl acetate 2.13%, d-limonene 1.0%).

Serious eye damage/irritation: Eye Dam. 1 — H318 (2-phenoxyethanol 4.3% $\geq$ 3%).

Germ cell mutagenicity, carcinogenicity, reproductive toxicity, STOT and aspiration hazard: not classified (Repr. 2: 0.1% < 3%; 2-phenoxyethanol STOT SE 3: 4.3% < 20%).

SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity (at 25%): Aquatic Chronic 3 — H412.

Note: The pure fragrance (100%) classifies Aquatic Chronic 2, H411. Aquatic Chronic 1 components: d-limonene, acetyl cedrene (M = 1), OTNE and hexamethylindanopyran. AUGEO® is not classified for the environment.

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 — 191.7% $\geq$ 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 25%):

- 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 (100%) IS regulated: UN 3082, class 9, PG III.

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 hazards H318, H317). The manufacturer of the diffuser/spray submits the PCN; the 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): at 25% it complies with Category 10A (reed diffusers, liquid refills — limit 100%) and 10B (air-freshener sprays — limit 100%). See IFRA certificate.

SECTION 16: OTHER INFORMATION

Date of preparation: October 2026 — 25% preparation in AUGEO® based on the BLUE CEDAR & ORANGE supplier SDS (issued 01/10/2026), the AUGEO® SDS, 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.

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 AUGEO® Clean Multi or a different fragrance load is used, the classification must be recalculated.

ANNEX — CALCULATION RECORD (25% IN AUGEO®)

Method: content of each fragrance component (supplier SDS, 01/10/2026) $\times$ 0.25; AUGEO® = 75% (Eye Irrit. 2, H319; not classified for other endpoints). M-factor = 1 (acetyl cedrene, supplier; assumed 1 for the other Aquatic 1 components).

Hazard class	Fragrance 100% (supplier)	Calculation at 25% / threshold	Result at 25%
Acute toxicity (oral)	Not classified (ATE 8104.65)	8104.65 / 0.25 $\approx$ 32,400 mg/kg / $\leq$ 2000	Not classified
Skin corrosion/irritation	Not classified	Σ Skin Irrit. 2 = 1.5% / $\geq$ 10%	Not classified
Serious eye damage/irritation	Eye Dam. 1 — H318	Σ Eye Dam. 1 (2-phenoxyethanol) = 4.3% / $\geq$ 3% (Cat. 1); Σ Eye Irrit. 2 = 75.2% (AUGEO®)	Eye Dam. 1 — H318
Skin sensitisation	Skin Sens. 1 — H317	4-tert-butylcyclohexyl acetate 2.13%; d-limonene 1.0% / $\geq$ 1%	Skin Sens. 1 — H317
Reproductive toxicity	Not classified	Repr. 2: 0.1% / $\geq$ 3%	Not classified
Aquatic acute	Not classified	Σ Aquatic Acute 1 $\times$ M = 1.6% / $\geq$ 25%	Not classified
Aquatic chronic	Aquatic Chronic 2 — H411	Chronic 2: $10 \times \Sigma C1 + \Sigma C2 = 19.1\%$ / $\geq$ 25%; Chronic 3: 191.7% / $\geq$ 25%	Aquatic Chronic 3 — H412

Hazard class	Fragrance 100% (supplier)	Calculation at 25% / threshold	Result at 25%
Physical hazards	Not classified	AUGEO® FP 91 °C; fragrance not classified as flammable	Not classified

Conclusion: mixture classified H318, H317 and H412 — GHS05, GHS07, Danger.