SAFETY DATA SHEET

NORDIC FIR — 25% preparation in Augeo Clean Multi
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 25% of NORDIC FIR fragrance and 75% of Augeo Clean Multi. 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), including Augeo Clean Multi, which is classified Eye Irrit. 2 (H319).

IFRA — reed diffusers: the fragrance is limited to **9.82%** in the finished reed diffuser (IFRA Category 10A). This 25% preparation must therefore NOT be used neat as diffuser liquid; it may represent at most 39% of the finished diffuser (≈ 9.82% fragrance).

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product form	Mixture
Trade name	Preparation with NORDIC FIR at 25%
UFI (pure fragrance)	X200-U0CW-600R-QEM6
Type of product	Perfumes, fragrances
Base	Augeo Clean Multi (2,2-dimethyl-1,3-dioxolane-4-methanol, CAS 100-79-8) — 75%

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

Identified uses	Diffuser concentrate in Augeo Clean Multi — to be further diluted (max. 39% of this preparation in the finished reed diffuser, IFRA 10A).
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

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

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

Result	MIXTURE CLASSIFIED AS HAZARDOUS — H317, H319, H412
Aquatic hazard, chronic	Aquatic Chronic 3 — H412. 10 × M × Σ Chronic 1 + Σ Chronic 2 = 23.7% (≥ 25% → Chronic 2); 100 × M × Σ Chronic 1 + 10 × Σ Chronic 2 + Σ Chronic 3 = 237.4%. 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 (10 components).
Skin sensitisation	Skin Sens. 1 — H317. Mint oil (Mentha arvensis) 2.13%, 4-tert-Butylcyclohexyl acetate 1.71%, lemon oil 1.50%, linalool 1.14% and eucalyptus oil 1.01% are each ≥ the concentration limit (1% generic).
Eye irritation	Eye Irrit. 2 — H319, due to Augeo Clean Multi (75%, Eye Irrit. 2). Σ Eye Irrit. 2 (≥ 1%) ≈ 80.7% (threshold: 10%).
Skin irritation	Not classified — Σ Skin Irrit. 2 (≥ 1%) = 6.97% (threshold: 10%).
Aspiration hazard	Not classified — Σ Asp. Tox. 1 = 4.71% (threshold: 10%).

Acute toxicity (oral)	Not classified — ATE mix ≈ 9,302 mg/kg (threshold: 2000 mg/kg).
Notes	The pure fragrance (100%) is classified H304, H315, H317, H319 and H411 (DANGER). See Annex — Calculation record.

2.2 Label elements



GHS07

Hazard pictograms	GHS07
Signal word	Warning
Contains (hazard-determining)	Mint oil (Mentha arvensis), 4-tert-Butylcyclohexyl acetate, Lemon oil, Linalool, Eucalyptus oil
Hazard statements	H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains Chinese cedarwood oil, Mugwort oil (Artemisia vulgaris), beta-Pinene, 2,2,6-Trimethyl-alpha-propylcyclohexanepropanol, alpha-Pinene, Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde), Linalyl acetate, 2-Methylundecanal. May produce an allergic reaction.
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P261 Avoid breathing mist/vapours/spray. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. 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 25% (manufacturer's values × 0.25):

Name	Identifiers	%	Classification (EC) No 1272/2008
Terpineol	CAS 8000-41-7 / 8006-64-2 EC 232-268-1	2.33	Skin Irrit. 2, H315; Eye Irrit. 2, H319
Mint oil (Mentha arvensis)	CAS 90063-97-1 EC 290-058-5	2.13	Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Skin Sens. 1, H317; Eye Irrit. 2, H319
4-tert-Butylcyclohexyl acetate	CAS 32210-23-4 EC 250-954-9	1.71	Skin Sens. 1B, H317
Lemon oil (Citrus limon)	CAS 8008-56-8 EC 616-925-3	1.50	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1); Skin Sens. 1, H317

Name	Identifiers	%	Classification (EC) No 1272/2008
2-Phenylethanol	CAS 60-12-8 EC 200-456-2	1.24	Acute Tox. 4 (oral), H302; Eye Irrit. 2, H319
Linalool	CAS 78-70-6 EC 201-134-4	1.14	Skin Sens. 1B, H317
Ethyl maltol	CAS 4940-11-8 EC 225-582-5	1.09	Acute Tox. 4 (oral), H302
Eucalyptus oil	CAS 84625-32-1 / 8000-48-4 EC 308-257-3	1.01	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Skin Sens. 1, H317
1-[(2-tert-Butyl)cyclohexyloxy]-2-butanol	CAS 139504-68-0 EC 412-300-2	1.00	Aquatic Chronic 2, H411
Chinese cedarwood oil (Cupressus funebris)	CAS 85085-29-6 EC 285-360-9	0.710	Asp. Tox. 1, H304; Skin Corr. 1C, H314; Skin Sens. 1B, H317; Aquatic Chronic 2, H411
Terpinyl acetate	CAS 8007-35-0 EC 201-265-7	0.650	Aquatic Chronic 2, H411
Mugwort oil (Artemisia vulgaris)	CAS 84775-45-1 EC 284-503-2	0.580	Flam. Liq. 3, H226; Acute Tox. 4 (oral), H302; Asp. Tox. 1, H304; Acute Tox. 4 (inhalation), H332; STOT SE 2, H371; Skin Sens. 1, H317
beta-Pinene	CAS 127-91-3 EC 204-872-5	0.540	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317
2,2,6-Trimethyl-alpha-propylcyclohexanepropanol	CAS 70788-30-6 EC 274-892-7	0.460	Skin Sens. 1B, H317
alpha-Pinene	CAS 80-56-8 EC 201-291-9	0.350	Flam. Liq. 3, H226; Acute Tox. 4 (oral), H302; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1)
Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde)	CAS 68039-49-6 EC 268-264-1	0.240	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 2, H411
Linalyl acetate	CAS 115-95-7 EC 204-116-4	0.210	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319
2-tert-Butylcyclohexyl acetate	CAS 88-41-5 EC 201-828-7	0.140	Aquatic Chronic 2, H411
2-Methylundecanal	CAS 110-41-8 EC 203-765-0	0.110	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1)
2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)but-2-en-1-ol	CAS 28219-61-6 EC 248-908-8	0.060	Aquatic Chronic 1, H410 (M = 1); Eye Irrit. 2, H319
β-Methyl-3-(1-methylethyl)benzenepropanal	CAS 125109-85-5 EC 412-050-4	0.060	Aquatic Chronic 2, H411
Citronellol	CAS 106-22-9 EC 203-375-0	0.037	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319
3-Pentyltetrahydro-2H-pyran-4-yl acetate	CAS 38285-49-3 EC 242-640-5	0.025	Aquatic Chronic 3, H412
Hexyl cinnamal	CAS 101-86-0 EC 202-983-3	0.020	Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
d-Limonene (orange terpenes)	CAS 68647-72-3 / 8028-48-6 EC 232-433-8	0.020	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1); Skin Sens. 1, H317
7-Acetyl-1,1,3,4,4,6-hexamethyltetralin (AHTN)	CAS 1506-02-1 EC 216-133-4	0.010	Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1)
Augeo Clean Multi	CAS 100-79-8 EC 202-888-8	75	Eye Irrit. 2, H319

Full text of H-statements: see Section 16.

SECTION 4: First aid measures

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.
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	Eye irritation. May cause an allergic skin reaction.
Medical attention	Treat symptomatically.

SECTION 5: Firefighting measures

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

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	Absorb with inert material (sand, diatomaceous earth, universal binder) and place in closed containers for disposal.

SECTION 7: Handling and storage

7.1 Safe handling	Avoid contact with skin and eyes; do not breathe vapours. Keep away from heat, ignition sources and naked flames. Do not eat, drink or smoke in the work area. Wash hands after handling.
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

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.
Respiratory protection	Not required with adequate ventilation; otherwise filter type A (EN 14387).

SECTION 9: Physical and chemical properties

Physical state	Liquid
Odour	Characteristic — pine needle, fir, eucalyptus

Flash point	Not determined for the preparation; pure fragrance 64 °C (closed cup); Augeo Clean Multi 91 °C
Density	Augeo Clean Multi 1.069 g/cm³; mixture not determined
Solubility	Augeo is miscible with water and alcohols

SECTION 10: Stability and reactivity

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

Acute toxicity (oral)	Not classified (ATE ≈ 9,302 mg/kg)
Skin corrosion/irritation	Not classified
Eye irritation	Eye Irrit. 2 — H319
Skin sensitisation	Skin Sens. 1 — H317
Aspiration hazard	Not classified
Mutagenicity, carcinogenicity, reproductive toxicity, STOT	Not classified

SECTION 12: Ecological information

12.1 Toxicity	Aquatic Chronic 3 — H412. Main contributors: lemon oil, alpha-Pinene, mint oil (Mentha arvensis), 2-Methylundecanal and eucalyptus oil.
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

Product	Dispose of through a licensed waste operator according to local/national regulations. Do not discharge to drains.
Hazardous properties (waste)	HP4, HP13, HP14
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 25% — Aquatic Chronic 3 is not regulated for transport. The pure fragrance (100%) is UN 3082, Class 9, PG III.

SECTION 15: Regulatory information

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	Classified for health hazards (H317, H319): a PCN with its own UFI is required if this preparation is placed on the market; the fragrance UFI (X200-U0CW-600R-QEM6) can be declared as a component (MiM).
IFRA (51st)	Reed diffusers (Cat. 10A): max 9.82% fragrance — this 25% preparation is NOT compliant if used neat; max 39% of it in the finished diffuser. Room sprays (Cat. 10B): max 16.63% fragrance.

SECTION 16: Other information

Revision	Version 1.2 — Eco Candle Project edition, 18/11/2026. Based on the manufacturer's SDS for the pure fragrance (version 1 of 15/04/2025, issued 16/01/2026), allergen declaration and IFRA 51st Amendment certificate (05/10/2026). Changes from version 1.1 (14/10/2026): 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). 25% preparation (Augeo): H317, H319, H411 → H317, H319, H412. 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 25% 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. **H302** Harmful if swallowed. **H304** May be fatal if swallowed and enters airways. **H314** Causes severe skin burns and eye damage. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H319** Causes serious eye irritation. **H332** Harmful if inhaled. **H371** May cause damage to organs. **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 (25%)

Hazard class	Fragrance 100%	Calculation at 25% / threshold	Result at 25%
Acute toxicity (oral)	Not classified (ATE 2,326)	ATE ≈ 9,302 mg/kg / ≤ 2000	Not classified
Aspiration hazard	Asp. Tox. 1	Σ = 4.71% / ≥ 10%	Not classified
Skin irritation	Skin Irrit. 2	Σ = 6.97% / ≥ 10%	Not classified
Eye irritation	Eye Irrit. 2	Σ = 80.7% / ≥ 10%	Eye Irrit. 2 — H319
Skin sensitisation	Skin Sens. 1	mint oil (Mentha arvensis) 2.13% / ≥ 1%	Skin Sens. 1 — H317
Aquatic chronic	Aquatic Chronic 2	C2: 23.7%; C3: 237.4% / ≥ 25%	Aquatic Chronic 3 — H412
Physical hazards	Not classified (FP 64 °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; Augeo Clean Multi adds H319.