SAFETY DATA SHEET

NORDIC FIR — fragrance compound, 100%
According to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878

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

1.1 Product identifier

Product form	Mixture
Trade name	NORDIC FIR
UFI	X200-U0CW-600R-QEM6
Type of product	Perfumes, fragrances

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

Identified uses	Fragrance compound for the manufacture of candles, wax melts, diffusers and air-care products. For professional use.
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

Aspiration hazard	Asp. Tox. 1 — H304
Skin irritation	Skin Irrit. 2 — H315
Eye irritation	Eye Irrit. 2 — H319
Skin sensitisation	Skin Sens. 1 — H317
Aquatic hazard, chronic	Aquatic Chronic 2 — H411

Classification according to Regulation (EC) No 1272/2008 [CLP], as given in the manufacturer's SDS (calculation method); verified by Eco Candle Project with the same method.

2.2 Label elements


GHS07


GHS08


GHS09

Hazard pictograms	GHS07, GHS08, GHS09
Signal word	DANGER
Contains (hazard-determining)	Mint oil (Mentha arvensis), 4-tert-Butylcyclohexyl acetate, Lemon oil, Linalool, Eucalyptus oil, Chinese cedarwood oil, Mugwort oil (Artemisia vulgaris), beta-Pinene, 2,2,6-Trimethyl-alpha-propylcyclohexanepropanol, alpha-Pinene

Hazard statements	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. H411 Toxic to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde), Linalyl acetate, 2-Methylundecanal, Citronellol. May produce an allergic reaction.
Precautionary statements	P261 Avoid breathing mist/vapours/spray. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. 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. P331 Do NOT induce vomiting. P391 Collect spillage. P405 Store locked up. 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 (and substances with a workplace exposure limit) as declared by the manufacturer:

Name	Identifiers	%	Classification (EC) No 1272/2008
Terpineol	CAS 8000-41-7 / 8006-64-2 EC 232-268-1	9.32	Skin Irrit. 2, H315; Eye Irrit. 2, H319
Mint oil (Mentha arvensis)	CAS 90063-97-1 EC 290-058-5	8.52	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	6.84	Skin Sens. 1B, H317
Lemon oil (Citrus limon)	CAS 8008-56-8 EC 616-925-3	6.00	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
2-Phenylethanol	CAS 60-12-8 EC 200-456-2	4.96	Acute Tox. 4 (oral), H302; Eye Irrit. 2, H319
Linalool	CAS 78-70-6 EC 201-134-4	4.56	Skin Sens. 1B, H317
Ethyl maltol	CAS 4940-11-8 EC 225-582-5	4.36	Acute Tox. 4 (oral), H302
Eucalyptus oil	CAS 84625-32-1 / 8000-48-4 EC 308-257-3	4.04	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	4.00	Aquatic Chronic 2, H411
Chinese cedarwood oil (Cupressus funebris)	CAS 85085-29-6 EC 285-360-9	2.84	Asp. Tox. 1, H304; Skin Corr. 1C, H314; Skin Sens. 1B, H317; Aquatic Chronic 2, H411

Name	Identifiers	%	Classification (EC) No 1272/2008
Terpinyl acetate	CAS 8007-35-0 EC 201-265-7	2.60	Aquatic Chronic 2, H411
Mugwort oil (Artemisia vulgaris)	CAS 84775-45-1 EC 284-503-2	2.32	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	2.16	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	1.84	Skin Sens. 1B, H317
alpha-Pinene	CAS 80-56-8 EC 201-291-9	1.40	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	0.960	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 2, H411
Linalyl acetate	CAS 115-95-7 EC 204-116-4	0.840	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319
2-tert-Butylcyclohexyl acetate	CAS 88-41-5 EC 201-828-7	0.560	Aquatic Chronic 2, H411
2-Methylundecanal	CAS 110-41-8 EC 203-765-0	0.440	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	0.240	Aquatic Chronic 1, H410 (M = 1); Eye Irrit. 2, H319
β-Methyl-3-(1-methylethyl)benzenepropanal	CAS 125109-85-5 EC 412-050-4	0.240	Aquatic Chronic 2, H411
Citronellol	CAS 106-22-9 EC 203-375-0	0.150	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	0.100	Aquatic Chronic 3, H412
Hexyl cinnamal	CAS 101-86-0 EC 202-983-3	0.080	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	0.080	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	0.040	Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1)

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. Skin 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
Colour	Pale yellow to yellow
Odour	Characteristic — pine needle, fir, peppermint, eucalyptus, cedarwood
Flash point	64 °C (closed cup)
Flammability	Not classified (flash point > 60 °C)
pH	Not applicable
Solubility in water	Practically insoluble
Other properties	Melting/boiling point, density, vapour pressure, viscosity, auto-ignition: not determined by the manufacturer.

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 ≈ 2,326 mg/kg)
Skin corrosion/irritation	Skin Irrit. 2 — H315
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 2 — H411. 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, HP5, HP13, HP14
Contaminated packaging	Empty completely; do not reuse; dispose of as unused product.

SECTION 14: Transport information

	ADR / RID	IMDG	IATA
14.1 UN number	UN 3082	UN 3082	UN 3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MENTHA ARVENSIS EXTRACT, LEMON OIL)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MENTHA ARVENSIS EXTRACT, LEMON OIL)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MENTHA ARVENSIS EXTRACT, LEMON OIL)
14.3 Class	9	9	9
14.4 Packing group	III	III	III
14.5 Environmental hazards	Yes	Yes — marine pollutant	Yes

14.6 Special precautions: ADR tunnel code (-); limited quantity 5 L/5 kg; packages ≤ 5 L/5 kg are exempt from the environmentally hazardous substance provisions (ADR SP 375, IMDG 2.10.2.7). 14.7 Bulk (IMO): not applicable.

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.
Seveso III	E2 — Hazardous to the aquatic environment, Chronic 2.
PCN / UFI	UFI X200-U0CW-600R-QEM6 (manufacturer's notification).

IFRA (51st)	Candles (Cat. 12): no restriction (100%). Reed diffusers (Cat. 10A): max 9.82%. Room sprays (Cat. 10B): max 16.63%. Fine fragrance (Cat. 4): max 32.50%. See IFRA certificate.

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).
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.