

SAFETY DATA SHEET

NORDIC FIR — pure fragrance (100%), as supplied

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

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identification

Product form	Mixture
Trade name	NORDIC FIR
UFI	X200-U0CW-600R-QEM6
Product type	Perfume compound / fragrance oil (concentrated aromatic raw material)
Product group	Trade product

1.2 Relevant identified uses and uses advised against

Main use category	Professional use, industrial use
Use of the mixture	Fragrance compound for candles, wax melts, reed diffusers and air-care products
Uses advised against	Concentrated raw material — not for direct personal use or application to skin undiluted.

1.3 Details of the supplier of the safety data sheet

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] (calculation method, as stated by the manufacturer):

Skin corrosion/irritation	Skin Irrit. 2 — H315
Serious eye damage/irritation	Eye Irrit. 2 — H319
Skin sensitisation	Skin Sens. 1 — H317
Aspiration hazard	Asp. Tox. 1 — H304
Hazardous to the aquatic environment — chronic	Aquatic Chronic 2 — H411
Adverse effects	Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

2.2 Label elements



GHS07



GHS08



GHS09

Pictograms	GHS07 (exclamation mark) + GHS08 (health hazard) + GHS09 (environment)
Signal word	Danger
Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H304 May be fatal if swallowed and enters airways. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P261 Avoid breathing vapours. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P302+P352 IF ON SKIN: Wash with plenty of soap and 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. P331 Do NOT induce vomiting. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage. P405 Store locked up. P501 Dispose of contents/container in accordance with local regulations.
Contains	Mentha arvensis extract, 4-tert-Butylcyclohexyl acetate, Citrus limon oil, Linalool, Eucalyptus globulus oil, Cupressus funebris oil, Artemisia vulgaris oil, beta-Pinene, 2,2,6-Trimethyl- α -propylcyclohexanepropanol, alpha-Pinene
Finished product	For professional use. Label any finished product according to its own (diluted) classification — see the SDS for 5%, 10% and 25%.

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

3.2 Mixtures

Mixture of fragrance raw materials. Hazardous components as declared in the manufacturer's SDS (the 100% SDS gives ranges; the exact values below were back-calculated from the manufacturer's 25% and 10% preparation SDS):

Substance	CAS / EC No.	%	CLP classification (component)
Pinus sylvestris oil (Scots pine oil)	8000-41-7 / 8006-64-2 232-268-1	9.32	Skin Irrit. 2 (H315), Eye Irrit. 2 (H319)



Substance	CAS / EC No.	%	CLP classification (component)
Mentha arvensis extract (cornmint)	90063-97-1 290-058-5	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	32210-23-4 250-954-9	6.84	Skin Sens. 1B (H317)
Citrus limon oil (lemon oil)	8008-56-8 616-925-3	6	Flam. Liq. 3 (H226), Asp. Tox. 1 (H304), Skin Irrit. 2 (H315), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Skin Sens. 1 (H317); M = 1 (acute/chronic)
2-Phenylethanol	60-12-8 200-456-2	4.96	Acute Tox. 4 (oral) (H302), Eye Irrit. 2 (H319)
Linalool (3,7-dimethyl-1,6-octadien-3-ol)	78-70-6 201-134-4	4.56	Skin Sens. 1B (H317)
Ethyl maltol (2-ethyl-3-hydroxy-4H-pyran-4-one)	4940-11-8 225-582-5	4.36	Acute Tox. 4 (oral) (H302)
Eucalyptus globulus oil	84625-32-1 / 8000-48-4 308-257-3	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	139504-68-0 412-300-2	4	Aquatic Chronic 2 (H411)
Cupressus funebris oil (Chinese cedarwood)	85085-29-6 285-360-9	2.84	Asp. Tox. 1 (H304), Skin Corr. 1C (H314), Skin Sens. 1B (H317), Aquatic Chronic 2 (H411)
Terpinyl acetate	8007-35-0 201-265-7	2.6	Aquatic Chronic 2 (H411)
Artemisia vulgaris oil (mugwort)	84775-45-1 284-503-2	2.32	Flam. Liq. 3 (H226), Acute Tox. 4 (oral) (H302), Asp. Tox. 1 (H304), Acute Tox. 4 (inhal.) (H332), STOT SE 2 (H371), Skin Sens. 1 (H317)
beta-Pinene	127-91-3 204-872-5	2.16	Flam. Liq. 3 (H226), Asp. Tox. 1 (H304), Skin Irrit. 2 (H315), Skin Sens. 1 (H317)
2,2,6-Trimethyl- α -propylcyclohexanepropanol	70788-30-6 274-892-7	1.84	Skin Sens. 1B (H317)
alpha-Pinene	80-56-8 201-291-9	1.4	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), Aquatic Chronic 1 (H410); M = 1 (acute/chronic)
2,4-Dimethylcyclohex-3-ene-1-carbaldehyde	68039-49-6 268-264-1	0.96	Skin Irrit. 2 (H315), Skin Sens. 1B (H317), Aquatic Chronic 2 (H411)
Linalyl acetate	115-95-7 204-116-4	0.84	Skin Irrit. 2 (H315), Skin Sens. 1B (H317), Eye Irrit. 2 (H319)
2-tert-Butylcyclohexyl acetate	88-41-5 201-828-7	0.56	Aquatic Chronic 2 (H411)
2-Methylundecanal	110-41-8 203-765-0	0.44	Skin Irrit. 2 (H315), Skin Sens. 1B (H317), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410); M = 1 (acute/chronic)
(2E)-2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)but-2-en-1-ol	28219-61-6 248-908-8	0.24	Aquatic Chronic 1 (H410), Eye Irrit. 2 (H319); M = 1 (acute/chronic)
beta-Methyl-3-(1-methylethyl)benzenepropanal	125109-85-5 412-050-4	0.24	Aquatic Chronic 2 (H411)



Substance	CAS / EC No.	%	CLP classification (component)
Citronellol (3,7-dimethyl-6-octen-1-ol)	106-22-9 203-375-0	0.15	Skin Irrit. 2 (H315), Skin Sens. 1B (H317), Eye Irrit. 2 (H319)
3-Pentyltetrahydro-2H-pyran-4-yl acetate	38285-49-3 242-640-5	0.1	Aquatic Chronic 3 (H412)
Hexyl cinnamic aldehyde	101-86-0 202-983-3	0.08	Skin Sens. 1B (H317), Aquatic Acute 1 (H400), Aquatic Chronic 2 (H411)
p-Mentha-1,8-diene (limonene)	68647-72-3 / 8028-48-6 232-433-8	0.08	Flam. Liq. 3 (H226), Asp. Tox. 1 (H304), Skin Irrit. 2 (H315), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Skin Sens. 1 (H317); M = 1 (acute/chronic)
7-Acetyl-1,1,3,4,4,6-hexamethyltetraline	1506-02-1 216-133-4	0.04	Acute Tox. 4 (oral) (H302), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410); M = 1 (acute/chronic)

Full text of H-statements: see Section 16. Other components are not classified or are below the relevant cut-off values.

Substances with workplace exposure limits: Pinus sylvestris oil (see Section 8); diethyl phthalate (CAS 84-66-2) < 0.1%. Other components present at < 0.1% (not listed): (3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol) and methyl ionone. 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	Do NOT induce vomiting (aspiration hazard). Rinse mouth. Call a Poison Centre/doctor immediately: CIAV +351 800 250 250.
Most important symptoms / effects	Causes skin irritation and serious eye irritation. May cause an allergic skin reaction. If swallowed, may enter the airways and cause chemical pneumonitis (aspiration).
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. Hazchem code: 3Z.



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 / clean-up	Remove ignition sources. Absorb with inert, non-combustible material (sand, vermiculite, diatomaceous earth). Collect in a closed, labelled container. Clean the area with water and detergent; collect the washing water.
Disposal	See Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes; wear gloves and eye protection. Keep away from ignition sources and naked flames. Ensure good ventilation. Do not eat, drink or smoke while handling. Wash hands after use. Flash point 64 °C (closed cup): when adding to wax, let the wax cool and add the fragrance at the lowest temperature recommended by the wax manufacturer, ideally ≤ 65 °C; above the flash point the fragrance can release flammable vapours — no open flames, good ventilation, do not overheat. Store locked up.

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. Storage class (TRGS 510): 10 — Combustible liquids. Shelf life: 12 months in the original closed container.

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

Occupational exposure limits listed in the supplier's SDS: Pinus sylvestris oil (as turpentine) — 8-h TWA 566 mg/m³ (100 ppm), 15-min STEL 850 mg/m³ (150 ppm); diethyl phthalate (< 0.1%) — 8-h TWA 5 mg/m³, STEL 10 mg/m³. 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). Mandatory — mixture is H319. Eyewash station recommended.
Skin / body protection	Work clothing; apron for large quantities.
Respiratory protection	Not required under normal conditions with adequate ventilation.
Thermal hazards	When heating with wax: heat-resistant gloves (EN 407).
Environmental exposure	Do not discharge to drains or the environment.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Liquid
Colour	Pale yellow to yellow
Odour	Characteristic — pine needle, fir, peppermint, eucalyptus, cedarwood
Odour threshold	Not established
pH	Not established
Melting / freezing point	Not established
Initial boiling point	Not established
Flash point	64 °C (closed cup)
Flammability	Not flammable within the meaning of CLP (flash point > 60 °C)
Explosive limits	Not established
Vapour pressure	Not established
Relative density	Not established
Solubility	Insoluble in water; soluble in alcohol and oils
Partition coefficient n-octanol/water	Not established
Auto-ignition temperature	Not established
Viscosity	Not established
Explosive / oxidising properties	None

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 has not been tested as a whole. Classification is based on the CLP calculation method.

Acute toxicity	Not classified — ATE oral (mixture) = 2,325.6 mg/kg (manufacturer; > 2000 mg/kg). ATE inhalation (vapour) 478.3 mg/L — not classified.
Skin corrosion/irritation	Skin Irrit. 2 — H315 (Σ Skin Irrit. 2 components ≥ 1% = 31.4%; Chinese cedarwood oil, Skin Corr. 1C, 2.84% — below 5%, contributes to irritation).
Serious eye damage/irritation	Eye Irrit. 2 — H319 (Σ Eye Irrit. 2 = 22.8%: pine oil, cornmint extract, 2-phenylethanol).
Respiratory or skin sensitisation	Skin Sens. 1 — H317 (cornmint extract 8.52%, 4-tert-butylcyclohexyl acetate 6.84%, lemon oil 6.0%, linalool 4.56%, eucalyptus oil 4.04%, and others ≥ 1%).
CMR, STOT SE/RE	Based on available data, the classification criteria are not met (Artemisia oil, STOT SE 2, 2.32% < 10%).



Aspiration hazard	Asp. Tox. 1 — H304 (Σ Asp. Tox. 1 = 18.8% $\geq$ 10%: lemon oil, eucalyptus oil, Chinese cedarwood oil, Artemisia oil, pinenes). Low-viscosity hydrocarbon-rich liquid.
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SECTION 12: ECOLOGICAL INFORMATION

Toxicity	Aquatic Chronic 2 (H411): $\Sigma(M \times \text{Chronic } 1) = 8.2\% < 25\%$; $10 \times \text{Chronic } 1 + \text{Chronic } 2 = 105.8\% \geq 25\%$. Not acutely classified (Σ Acute 1 = 8.0% $<$ 25%). Main contributors: lemon oil, cornmint extract, eucalyptus oil, 1-[(2-tert-butyl)cyclohexyloxy]-2-butanol, Chinese cedarwood oil, terpinyl acetate, alpha-pinene.
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 HP4 (irritant — Σ H315/H319 $\geq 20\%$), HP5 (aspiration — Σ H304 $\geq 10\%$), HP13 (sensitising) and 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

14.1 UN number	UN 3082 (ADR/RID, IMDG, ICAO/IATA)
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mentha arvensis extract, Citrus limon)
14.3 Transport hazard class	9 (label 9)
14.4 Packing group	III
14.5 Environmental hazards	Yes — environmentally hazardous / marine pollutant (Mentha arvensis extract, lemon oil, eucalyptus oil and others)
14.6 Special precautions	ADR: classification code M6, hazard ID 90, LQ 5 L, EQ E1, transport category 3, tunnel code (E); special provisions 274, 335, 375, 601. IMDG: EmS F-A, S-F; stowage category A. SP 375 / IMDG 2.10.2.7 / IATA A197: packages ≤ 5 L net per single or inner packaging are not subject to these regulations.
14.7 Bulk transport (IMO)	Not applicable

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): UFI of the fragrance: **X200-U0CW-600R-QEM6**. The mixture is classified for health hazards (H315, H317, H319, H304).

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

IFRA (51st Amendment) — limits for the pure fragrance, derived from the manufacturer's IFRA certificates for the 5%, 10% and 25% preparations: candles (Category 12), reed diffusers (10A) and air-freshener sprays (10B) — no restriction found up to 25% (the 25% preparation may be used at 100%); most restrictive categories: Cat. 2 max. 1.77%, Cat. 5D/8/11A/11B max. 2.75%. See IFRA certificate.

Chemical safety assessment: not carried out for the mixture.

SECTION 16: OTHER INFORMATION

Date of preparation: October 2026 — pure fragrance based on the manufacturer's SDS (ref. FN0006401, version 1 of 15/04/2025, issued 16/01/2026), the manufacturer's SDS for the 5%, 10% and 25% preparations (SC-102407/8/9, 16/01/2026), the allergen certificates — extended list and the IFRA 51 certificates (16/01/2026).

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. 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.

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.