



SAFETY DATA SHEET

ENCHANTED FOREST — 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	ENCHANTED FOREST
UFI	550Y-N88C-100C-PVR3
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)
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Aspiration hazard	Asp. Tox. 1 — H304
Skin corrosion	Skin Corr. 1 — H314
Skin sensitisation	Skin Sens. 1 — H317
Aquatic hazard, acute	Aquatic Acute 1 — H400
Aquatic hazard, chronic	Aquatic Chronic 2 — H411

Classification calculated by Eco Candle Project with the CLP calculation method (Regulation (EC) No 1272/2008), using the upper limit of each concentration range declared by the manufacturer, which coincides with the exact values of the manufacturer's allergen declaration and IFRA certificate (benzyl benzoate 20%, d-limonene 4.7%). The skin corrosion classification (Skin Corr. 1 — H314) results from Chinese cedarwood oil (*Cupressus funebris*, Skin Corr. 1), present at 5.1-10.2%, above the 5% generic limit even at the lower limit of the range; this reproduces the manufacturer's classification (H314, H317, H411). In addition to the manufacturer's classification, two classes are applied conservatively: Asp. Tox. 1 — H304, because the Asp. Tox. 1 components (Chinese cedarwood oil, d-limonene, Siberian fir needle oil, beta-caryophyllene) add up to 17.75% ($\geq 10\%$; 13.3% even at the mid-points of the ranges) and the manufacturer does not state a kinematic viscosity above 20.5 mm²/s that would exclude it; and Aquatic Acute 1 — H400, because the sum of Aquatic Acute 1 components (benzyl benzoate, d-limonene, Siberian fir needle oil, cedrol methyl ether and a campholenic alcohol) exceeds 25% at the upper limits of the declared ranges. The manufacturer has not issued SDSs for diluted preparations — the classifications of the 5%, 10% and 9% preparations were calculated by Eco Candle Project. Because the IFRA Category 10A limit is 9.5%, the diffuser preparation was calculated at 9% in Augeo Clean Multi instead of 25%.



2.2 Label elements



GHS05



GHS07



GHS08



GHS09

Hazard pictograms	GHS05, GHS07, GHS08, GHS09
Signal word	DANGER
Contains (hazard-determining)	Chinese cedarwood oil, d-Limonene, Siberian fir needle oil (Abies sibirica), Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde), Cedrol methyl ether (cedramber)
Hazard statements	H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains beta-Caryophyllene, 4-tert-Butylcyclohexyl acetate. May produce an allergic reaction.
Precautionary statements	P260 Do not breathe 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. 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/doctor. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P363 Wash contaminated clothing before reuse. 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) $\geq 0.1\%$, no PBT/vPvB substances (REACH Annex XIII) and no substances with endocrine-disrupting properties $\geq 0.1\%$ (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
Benzyl benzoate	CAS 120-51-4 EC 204-402-9 REACH 01-2119976371-33	10.00 – 20.00	Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Chinese cedarwood oil (Cupressus funebris)	CAS 85085-29-6 EC 285-360-9	5.10 – 10.20	Skin Corr. 1, H314; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Chronic 2, H411
Diethyl malonate	CAS 105-53-3 EC 203-305-9 REACH 01-2119886972-18	3.70 – 7.35	Eye Irrit. 2, H319



Name	Identifiers	%	Classification (EC) No 1272/2008
d-Limonene	CAS 5989-27-5 EC 227-813-5 REACH 01-2119493353-35	2.40 – 4.70	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 3, H412
Siberian fir needle oil (Abies sibirica)	CAS 8021-29-2 EC 290-163-6;617-005-4	1.30 – 2.65	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde)	CAS 68039-49-6 EC 268-264-1	1.30 – 2.50	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412
2-tert-Pentylcyclohexyl acetate	CAS 67874-72-0 EC 267-500-0	1.30 – 2.50	Eye Irrit. 2, H319; Aquatic Chronic 2, H411
4-(4-Hydroxyphenyl)butan-2-one (raspberry ketone)	CAS 5471-51-2 EC 226-806-4	1.10 – 2.20	Acute Tox. 4 (oral), H302
2-Methyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	CAS 28219-60-5 EC 248-907-2	1.10 – 2.20	Eye Irrit. 2, H319; Aquatic Acute 1, H400; Skin Irrit. 2, H315
Borneol	CAS 507-70-0 EC 208-080-0 REACH 01-2120759187-44	0.800 – 1.60	Skin Irrit. 2, H315; Flam. Sol. 1, H228; Aquatic Chronic 2, H411
Isoborneol	CAS 124-76-5 EC 204-712-4	0.400 – 1.60	Flam. Sol. 1, H228; Skin Irrit. 2, H315
Ethyl maltol	CAS 4940-11-8 EC 225-582-5	0.800 – 1.50	Acute Tox. 4 (oral), H302
Cedrol methyl ether (cedramber)	CAS 19870-74-7 EC 243-384-7	0.500 – 1.00	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317
beta-Caryophyllene	CAS 87-44-5 EC 201-746-1 REACH 01-2120745237-53	0.100 – 0.200	Skin Sens. 1B, H317; Asp. Tox. 1, H304
4-tert-Butylcyclohexyl acetate	CAS 32210-23-4 EC 250-954-9 REACH 01-2119976286-24	0.100 – 0.200	Skin Sens. 1B, H317
Camphor	CAS 76-22-2 EC 200-945-0	0.100 – 0.200	Flam. Sol. 2, H228; Acute Tox. 4 (oral), H302; Acute Tox. 4 (inhalation), H332; Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 2, H371; Aquatic Chronic 2, H411

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	May cause an allergic skin reaction. Severe skin burns and eye damage.
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. Store locked up.
7.3 Specific end uses	See Section 1.2 and the IFRA certificate.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	Exposure limits listed by the manufacturer: d-Limonene, CAS 5989-27-5 — Germany (TRGS 900) AGW 28 mg/m ³ / 5 ppm; Finland HTP 140 mg/m ³ / 25 ppm (8 h); Camphor, CAS 76-22-2 — Portugal: 2 ppm (8 h TWA); 3 ppm (STEL). 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	Light yellow to amber
Odour	Characteristic — woody-green, resinous (cedarwood, fir needle, fresh citrus)
Flash point	82 °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 $\approx$ 2,092 mg/kg)
Skin corrosion/irritation	Skin Corr. 1 — H314
Eye irritation	Eye Dam. 1 — H318
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 Acute 1 — H400; Aquatic Chronic 2 — H411. Main contributors: siberian fir needle oil (<i>Abies sibirica</i>), benzyl benzoate, chinese cedarwood oil, cedrol methyl ether (cedramber) and d-Limonene.
12.2-12.7	No data for the mixture. No PBT/vPvB or endocrine-disrupting substances $\geq$ 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)	HP5, HP8, 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. (FIR NEEDLE OIL, SIBERIAN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FIR NEEDLE OIL, SIBERIAN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FIR NEEDLE OIL, SIBERIAN)
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 $\leq$ 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 $\geq$ 0.1%; no Annex XIV substances.
Seveso III	E1 — Hazardous to the aquatic environment, Acute 1 / Chronic 1.
PCN / UFI	UFI 550Y-N88C-100C-PVR3 (manufacturer's notification).
IFRA (50th)	Candles (Cat. 12): no restriction (100%). Reed diffusers (Cat. 10A): max 9.50%. Room sprays (Cat. 10B): max 45.45%. Fine fragrance (Cat. 4): max 24.00%. See IFRA certificate.



SECTION 16: Other information

Revision	Version 1.0 — Eco Candle Project edition, 21/10/2026. Based on the manufacturer's SDS for the pure fragrance (revision of 08/03/2023, issued 08/03/2023), allergen declaration and IFRA 50th Amendment certificate (08/03/2023). The manufacturer declares component concentrations as ranges; the classification was calculated conservatively using the upper limit of each range.
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. **H228** Flammable solid. **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. **H318** Causes serious eye damage. **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.