SAFETY DATA SHEET

VERSERA — 10% preparation in non-hazardous wax base

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 10% of VERSERA fragrance and 90% of non-hazardous wax base. 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).

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

1.1 Product identifier

Product form	Mixture
Trade name	Preparation with VERSERA at 10%
UFI (pure fragrance)	EQH1-R0F7-6006-UJHU
Type of product	Perfumes, fragrances
Base	Non-hazardous, non-classified wax (e.g. soy, rapeseed, coconut or paraffin) — 90%

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

Identified uses	Scented candles, wax melts and scented waxes.
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 — H412
Aquatic hazard, chronic	Aquatic Chronic 3 — H412. 10 × M × Σ Chronic 1 + Σ Chronic 2 = 18.2% (≥ 25% → Chronic 2); 100 × M × Σ Chronic 1 + 10 × Σ Chronic 2 + Σ Chronic 3 = 182.3%.
Skin sensitisation	Not classified — highest sensitiser tetramethyl acetyloctahydronaphthalenes (OTNE) 0.90% < 1%. EUH208 applies (≥ 1/10 of the limit).
Eye irritation	Not classified — Σ Eye Irrit. 2 (≥ 1%) = 0.00% (threshold: 10%).
Skin irritation	Not classified — Σ Skin Irrit. 2 (≥ 1%) = 0.00% (threshold: 10%).
Aspiration hazard	Not classified — Σ Asp. Tox. 1 = 0.43% (threshold: 10%).
Notes	The pure fragrance (100%) is classified H315, H317, H319 and H411 (WARNING). See Annex — Calculation record.
Manufacturer cross-check	Consistent with the manufacturer's SDS for the 10% dilution, dated 03/06/2025: H412.

2.2 Label elements

Hazard pictograms	None
Signal word	None (no pictogram required)

Hazard statements	H412 Harmful to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains Tetramethyl acetyloctahydronaphthalenes (OTNE), Linalyl acetate, d-Limonene (orange terpenes), Linalool, Coumarin. 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. P273 Avoid release to the environment. 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 10% (manufacturer's values × 0.10):

Name	Identifiers	%	Classification (EC) No 1272/2008
Tetramethyl acetyloctahydronaphthalenes (OTNE)	CAS 54464-57-2 EC 259-174-3	0.400 – 1.00	Skin Irrit. 2, H315; Aquatic Chronic 1, H410; Skin Sens. 1, H317
Dihydromyrcenol (2,6-dimethyloct-7-en-2-ol)	CAS 18479-58-8 EC 242-362-4	0.400 – 2.00	Skin Irrit. 2, H315; STOT SE 3, H336; Eye Irrit. 2, H319
Linalyl acetate	CAS 115-95-7 EC 204-116-4	0.400 – 1.00	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319
Hexamethylindanopyran (HHCB)	CAS 1222-05-5 EC 214-946-9	0.200 – 0.400	Aquatic Acute 1, H400; Aquatic Chronic 1, H410
2-tert-Butylcyclohexyl acetate	CAS 88-41-5 EC 201-828-7	0.200 – 0.400	Aquatic Chronic 2, H411
d-Limonene (orange terpenes)	CAS 68647-72-3 / 8028-48-6 EC 232-433-8	0.200 – 0.400	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317
Vanillin	CAS 121-33-5 EC 204-465-2	< 0.0000	Eye Irrit. 2, H319
6,6-Dimethoxy-2,5,5-trimethylhex-2-ene	CAS 67674-46-8 EC 266-885-2	0.100 – 0.200	Skin Irrit. 2, H315; Aquatic Chronic 3, H412
Linalool	CAS 78-70-6 EC 201-134-4	0.100 – 0.400	Skin Sens. 1B, H317
Coumarin	CAS 91-64-5 EC 202-086-7	0.100 – 0.200	Acute Tox. 4 (oral), H302; Aquatic Chronic 3, H412; Skin Sens. 1, H317
7-Acetyl-1,1,3,4,4,6-hexamethyl tetralin (AHTN)	CAS 1506-02-1 EC 216-133-4	0.040 – 0.100	Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 (M = 1)
Ethyl linalool (3,7-dimethylnona-1,6-dien-3-ol)	CAS 10339-55-6 EC 233-732-6	0.040 – 0.400	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319
Sweet orange oil (Citrus aurantium dulcis)	CAS 8028-48-6 / 8008-57-9 EC 232-433-8	0.040 – 0.100	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Skin Sens. 1, H317
alpha-Pinene	CAS 80-56-8 EC 201-291-9	0.040 – 0.100	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)

Name	Identifiers	%	Classification (EC) No 1272/2008
Methyl ionone	CAS 1335-46-2 / 127-51-5 EC 204-846-3	0.040 – 0.100	Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Eye Irrit. 2, H319
Hexyl salicylate	CAS 6259-76-3 EC 228-408-6	< 0.040	Skin Sens. 1B, H317; Aquatic Chronic 1, H410 (M = 1)
Neryl acetate	CAS 141-12-8 EC 205-459-2	< 0.0000	Skin Sens. 1B, H317
Dihydro pentamethylindanone	CAS 33704-61-9 EC 251-649-3	< 0.040	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 2, H411; Eye Irrit. 2, H319
Citronellol	CAS 106-22-9 EC 203-375-0	< 0.0000	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	CAS 4707-47-5 EC 225-193-0	< 0.0000	Skin Sens. 1B, H317
Citral	CAS 5392-40-5 EC 226-394-6	< 0.0000	Skin Irrit. 2, H315; Skin Sens. 1, H317
Virginia cedarwood oil (Juniperus virginiana)	CAS 8000-27-9 EC 285-370-3	< 0.040	Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)but-2-en-1-ol	CAS 28219-61-6 / 106185-75-5 EC 248-908-8	< 0.040	Aquatic Chronic 1, H410 (M = 1); Eye Irrit. 2, H319
Mint oil (Mentha arvensis)	CAS 90063-97-1 EC 290-058-5	< 0.040	Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Skin Sens. 1, H317; Eye Irrit. 2, H319
Dimethylbenzylcarbinyl butyrate	CAS 10094-34-5 EC 233-221-8	< 0.100	Skin Irrit. 2, H315; Aquatic Chronic 3, H412
Carvone	CAS 6485-40-1 EC 229-352-5	< 0.0000	Skin Sens. 1, H317
p-Cymene	CAS 99-87-6 EC 202-796-7	< 0.040	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Acute Tox. 3 (inhalation), H331; Aquatic Chronic 2, H411
Allyl amyl glycolate	CAS 67634-00-8 EC 916-328-0	< 0.040	Acute Tox. 4 (oral), H302; Acute Tox. 2 (inhalation), H330; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1)
Bitter orange oil (Citrus aurantium)	CAS 72968-50-4 / 8014-17-3 EC 277-143-2	< 0.040	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Skin Sens. 1, H317
Atlas cedarwood oil (Cedrus atlantica)	CAS 8023-85-6 / 92201-55-3 EC 617-018-5	< 0.040	Asp. Tox. 1, H304; Aquatic Chronic 2, H411
Citronellyl acetate	CAS 150-84-5 EC 205-775-0	< 0.040	Skin Irrit. 2, H315; Aquatic Chronic 2, H411
Geranium oil (Egypt)	CAS 8000-46-2 EC 290-140-0	< 0.040	Asp. Tox. 1, H304; Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Chronic 2, H411; Skin Sens. 1, H317
Terpinolene	CAS 586-62-9 EC 209-578-0	< 0.040	Asp. Tox. 1, H304; Skin Sens. 1B, H317; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410
Inert base	—	90	Not classified

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. Molten wax: cool immediately with cold water; do not remove adhering wax; seek medical attention for burns.
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 produce an allergic reaction in sensitised persons.
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	Solid wax: collect mechanically. Molten wax: allow to solidify and scrape up.

SECTION 7: Handling and storage

7.1 Safe handling	Melt the wax with controlled heating and good ventilation. Add the fragrance at a moderate temperature (typically 75–85 °C, or as per the wax data sheet) and well below the fragrance flash point. Do not leave melting wax unattended. Wash hands after use.
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	Exposure limits listed by the manufacturer: Diethyl phthalate (DEP), CAS 84-66-2 — 5 mg/m³ (8 h TWA); 10 mg/m³ (15 min 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. Molten wax: heat-resistant gloves (EN 407).
Respiratory protection	Not required with adequate ventilation; otherwise filter type A (EN 14387).

SECTION 9: Physical and chemical properties

Physical state	Solid at 20 °C (wax); liquid when molten
Odour	Characteristic — woody, aromatic
Flash point	Not determined for the preparation; pure fragrance: not stated by the manufacturer (not classified as flammable)
Density	Depends on the base
Solubility	Insoluble in water

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
Skin corrosion/irritation	Not classified
Eye irritation	Not classified
Skin sensitisation	Not classified (EUH208)
Aspiration hazard	Not classified
Mutagenicity, carcinogenicity, reproductive toxicity, STOT	Not classified

SECTION 12: Ecological information

12.1 Toxicity	Aquatic Chronic 3 — H412. Main contributors: tetramethyl acetyloctahydronaphthalenes (OTNE), hexamethylindanopyran (HHCB), d-Limonene (orange terpenes), 7-Acetyl-1,1,3,4,4,6-hexamethyltetralin (AHTN) and alpha-Pinene.
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)	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 10% — Aquatic Chronic 3 is not regulated for transport. The pure fragrance (100%) is UN 3082, Class 9, PG III. Finished candles are articles and are not regulated.

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	Not required — the mixture is classified only for an environmental hazard.
IFRA (51st)	Candles (Cat. 12): no restriction — 10% complies.

SECTION 16: Other information

Revision	Version 1.0 — Eco Candle Project edition, 22/10/2026. Based on the manufacturer's SDS for the pure fragrance (version 1 of 10/10/2024, issued 25/11/2024), allergen declaration and IFRA 51st Amendment certificate (25/11/2024). The manufacturer's SDS for the pure fragrance does not state component concentrations. Exact values from the manufacturer's allergen declaration were used where available (tetramethyl acetyloctahydronaphthalenes, linalyl acetate, hexamethylindanopyran, limonene, vanillin, linalool, coumarin, pinene, methyl ionone, citronellol, citral, Virginia cedarwood oil, carvone, Atlas cedarwood oil, geranium oil, terpinolene); for the other components, ranges were derived from the manufacturer's SDSs for the 5%, 10% and 25% dilutions (range × 100 / dilution) and a value within the range was chosen consistent with the order of the components in the pure SDS. With these values the calculation reproduces the manufacturer's classification of the pure fragrance (H315, H317, H319, H411) and of the 5%, 10% and 25% dilutions. Classification of the 10% preparation calculated by Eco Candle Project.
Abbreviations	ATE = Acute Toxicity Estimate; UFI = Unique Formula Identifier; PCN = Poison Centre Notification; SCL = specific concentration limit; OTNE = tetramethyl acetyloctahydronaphthalenes; DEP = diethyl phthalate; 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. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H318** Causes serious eye damage. **H319** Causes serious eye irritation. **H330** Fatal if inhaled. **H331** Toxic if inhaled. **H336** May cause drowsiness or dizziness. **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 (10%)

Hazard class	Fragrance 100%	Calculation at 10% / threshold	Result at 10%
Aspiration hazard	Not classified	Σ = 0.43% / ≥ 10%	Not classified
Skin irritation	Skin Irrit. 2	Σ = 0.00% / ≥ 10%	Not classified
Eye irritation	Eye Irrit. 2	Σ = 0.0% / ≥ 10%	Not classified
Skin sensitisation	Skin Sens. 1	tetramethyl acetyloctahydronaphthalenes (OTNE) 0.90% / ≥ 1%	Not classified (EUH208)
Aquatic chronic	Aquatic Chronic 2	C2: 18.2%; C3: 182.3% / ≥ 25%	Aquatic Chronic 3 — H412
Physical hazards	Not classified	non-flammable base	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.