SAFETY DATA SHEET

ROSE THORN — 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 ROSE THORN 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 ROSE THORN at 10%
UFI (pure fragrance)	EW5N-XCUX-N00P-4HGW
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 — H317, H412
Aquatic hazard, chronic	Aquatic Chronic 3 — H412. 10 × M × Σ Chronic 1 + Σ Chronic 2 = 17.8% (≥ 25% → Chronic 2); 100 × M × Σ Chronic 1 + 10 × Σ Chronic 2 + Σ Chronic 3 = 178.6%.
Skin sensitisation	Skin Sens. 1 — H317. Hexyl cinnamal 1.10% is ≥ the concentration limit (1% generic).
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 = 0.42% (threshold: 10%).
Acute toxicity (oral)	Not classified — ATE mix ≈ 34,220 mg/kg (threshold: 2000 mg/kg).
Notes	The pure fragrance (100%) is classified H315, H317, H318 and H411 (DANGER). See Annex — Calculation record.
Manufacturer cross-check	Consistent with the manufacturer's SDS for the 10% dilution: H317, H412.

2.2 Label elements



GHS07

Hazard pictograms	GHS07
Signal word	Warning
Contains (hazard-determining)	Hexyl cinnamal
Hazard statements	H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains Tetramethyl acetyloctahydronaphthalenes (OTNE), Geraniol, Nerol, Patchouli oil, Citronellol, Hexyl salicylate, Benzyl salicylate, Cedrol methyl ether (cedramber), Coumarin, d-Limonene. 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. P333+P313 If skin irritation or rash occurs: 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 10% (manufacturer's values × 0.10):

Name	Identifiers	%	Classification (EC) No 1272/2008
Benzyl benzoate	CAS 120-51-4 EC 204-402-9 REACH 01-2119976371-33	0.640 – 1.28	Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Hexyl cinnamal	CAS 101-86-0 EC 202-983-3 REACH 01-2119533092-50	0.550 – 1.10	Skin Sens. 1, H317; Aquatic Chronic 2, H411
Ethylene brassylate	CAS 105-95-3 EC 203-347-8 REACH 01-2119976314-33	0.370 – 0.730	Aquatic Chronic 2, H411
Tetramethyl acetyloctahydronaphthalenes (OTNE)	CAS 54464-57-2 EC 259-174-3 REACH 01-2119489989-04	0.350 – 0.700	Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 1, H410
Geraniol	CAS 106-24-1 EC 203-377-1 REACH 01-2119552430-49	0.195 – 0.491	Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1, H317
2-Phenylethanol	CAS 60-12-8 EC 200-456-2 REACH 01-2119963921-31	0.210 – 0.410	Acute Tox. 4 (oral), H302; Eye Irrit. 2, H319

Name	Identifiers	%	Classification (EC) No 1272/2008
Nerol	CAS 106-25-2 EC 203-378-7	0.121 – 0.345	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317
Ethyl vanillin	CAS 121-32-4 EC 204-464-7	0.170 – 0.330	Eye Irrit. 2, H319
Patchouli oil (Pogostemon cablin)	CAS 8014-09-3 EC 616-944-7	0.140 – 0.280	Skin Sens. 1B, H317; Asp. Tox. 1, H304; Aquatic Chronic 2, H411
Dipropylene glycol monomethyl ether (solvent)	CAS 34590-94-8 EC 252-104-2	0.140 – 0.275	
Citronellol	CAS 106-22-9 EC 203-375-0 REACH 01-2119453995-23	0.108 – 0.227	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Hexyl salicylate	CAS 6259-76-3 EC 228-408-6	0.110 – 0.220	Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Acetyl hexamethyl tetralin (AHTN)	CAS 21145-77-7 EC 244-240-6	0.100 – 0.190	Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Benzyl salicylate	CAS 118-58-1 EC 204-262-9 REACH 01-2119969442-31	0.090 – 0.180	Eye Irrit. 2, H319; Skin Sens. 1B, H317; Aquatic Chronic 3, H412
Tetrahydro-4-methyl-2-(2-methylpropyl)-2H-pyran-4-ol	CAS 63500-71-0 EC 405-040-6	0.090 – 0.180	Eye Irrit. 2, H319
Cedrol methyl ether (cedramber)	CAS 19870-74-7 EC 243-384-7	0.060 – 0.120	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317
Coumarin	CAS 91-64-5 EC 202-086-7 REACH 01-2119943756-26	0.060 – 0.120	Acute Tox. 3 (oral), H301; Acute Tox. 3 (dermal), H311; Acute Tox. 3 (inhalation), H331; Skin Sens. 1, H317; Aquatic Chronic 2, H411
4-Methoxybenzaldehyde	CAS 123-11-5 EC 204-602-6 REACH 01-2119977101-43	0.060 – 0.110	Aquatic Chronic 3, H412
d-Limonene	CAS 5989-27-5 EC 205-341-0 REACH 01-2119493353-35	0.050 – 0.106	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 3, H412
2-Methyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	CAS 28219-60-5 EC 248-907-2	0.050 – 0.090	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Allyl cyclohexyloxyacetate	CAS 68901-15-5 EC 272-657-3 REACH 01-2120770514-54	0.030 – 0.050	Acute Tox. 4 (oral), H302; Aquatic Chronic 1, H410
Cyclamen aldehyde	CAS 103-95-7 EC 203-161-7 REACH 01-2119970582-32	0.030 – 0.050	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 2, H411
Hydroxycitronellal	CAS 107-75-5 EC 203-518-7 REACH 01-2119973482-31	0.020 – 0.040	Eye Irrit. 2, H319; Skin Sens. 1B, H317
Rose oxide	CAS 16409-43-1 EC 240-457-5	0.020 – 0.040	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Repr. 2, H361
Methylenedioxyphenyl methylpropanal	CAS 1205-17-0 EC 214-881-6 REACH 01-2120740119-58	0.020 – 0.040	Skin Sens. 1B, H317; Repr. 2, H361; Aquatic Chronic 2, H411
beta-Damascone (rose ketone)	CAS 23726-92-3 EC 245-843-7	0.020 – 0.030	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 2, H411
Linalyl acetate	CAS 115-95-7 EC 204-116-4 REACH 01-2119454789-19	0.010 – 0.028	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317

Name	Identifiers	%	Classification (EC) No 1272/2008
Allyl heptanoate	CAS 142-19-8 EC 205-527-1 REACH 01-2119488961-23	0.010 – 0.020	Acute Tox. 3 (oral), H301; Acute Tox. 3 (dermal), H311; Acute Tox. 3 (inhalation), H331; Aquatic Acute 1, H400 (M = 10); Aquatic Chronic 3, H412
Diphenyl ether	CAS 101-84-8 EC 202-981-2 REACH 01-2119472545-33	0.010 – 0.020	Eye Irrit. 2, H319; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Citral	CAS 5392-40-5 EC 226-394-6 REACH 01-2119462829-23	0.003 – 0.017	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317
Orange oil (Citrus sinensis)	CAS 8008-57-9 EC 232-433-8 REACH 01-2119493353-35	0.010 – 0.016	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Dipentene	CAS 138-86-3 EC 205-341-0	0.010 – 0.011	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Lime oil, distilled (Citrus aurantifolia)	CAS 8008-26-2 EC 290-010-3 REACH 01-2120138646-51	0.010 – 0.011	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Repr. 1A, H360FD; Asp. Tox. 1, H304; Aquatic Chronic 1, H410
Rose absolute (Rosa centifolia)	CAS 8007-01-0 EC 616-902-8	0.010 – 0.010	Aquatic Chronic 3, H412; Eye Irrit. 2, H319; Skin Sens. 1, H317
alpha-Pinene	CAS 80-56-8 EC 201-291-9	< 0.004	Flam. Liq. 3, H226; Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400; 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 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	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 below the fragrance flash point (above 93.3 °C). 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: Dipropylene glycol monomethyl ether, CAS 34590-94-8 — EU IOEL 308 mg/m³ / 50 ppm (8 h TWA), skin notation; Portugal: 50 ppm (8 h TWA), 150 ppm (STEL); Citral, CAS 5392-40-5 — Portugal: 5 ppm (8 h TWA), sensitiser; Diphenyl ether, CAS 101-84-8 — EU (IOELV) and Portugal: 7 mg/m³ / 1 ppm (8 h TWA); 14 mg/m³ / 2 ppm (STEL); d-Limonene, CAS 5989-27-5 — Germany (TRGS 900) AGW 28 mg/m³ / 5 ppm; Finland HTP 140 mg/m³ / 25 ppm (8 h). 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 — rose, musk, woods
Flash point	Not determined for the preparation; pure fragrance > 93.3 °C
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 (ATE ≈ 34,220 mg/kg)
Skin corrosion/irritation	Not classified
Eye irritation	Not classified

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: tetramethyl acetyloctahydronaphthalenes (OTNE), hexyl salicylate, acetyl hexamethyl tetralin (AHTN), benzyl benzoate and cedrol methyl ether (cedramber).
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)	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 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	Classified for health hazards (H317): a PCN with its own UFI is required if this preparation is placed on the market; the fragrance UFI (EW5N-XCUX-N00P-4HGW) can be declared as a component (MiM).
IFRA (51st)	Candles (Cat. 12): no restriction — 10% complies.

SECTION 16: Other information

Revision	Version 1.0 — Eco Candle Project edition, 28/10/2026. Based on the manufacturer's SDS for the pure fragrance (revision of 02/08/2024, issued 02/08/2024), allergen declaration and IFRA 51st Amendment certificate (02/08/2024). The manufacturer declares component concentrations as ranges; the classification was calculated conservatively using the upper limit of each range (for benzyl benzoate, hexyl cinnamal, OTNE, geraniol, citronellol, benzyl salicylate, hexyl salicylate and coumarin this coincides with the exact values of the manufacturer's IFRA certificate), which reproduces the manufacturer's classification of the pure fragrance (H315, H317, H318, H411). Serious eye damage (Eye Dam. 1 — H318) results from geraniol (Eye Dam. 1) at up to 4.91%, above the 3% generic limit; the diluted preparations contain at most 0.49% and are not classified for eye damage. The acute toxicity estimate of the mixture (oral ATE ≈ 3,422 mg/kg, calculated from the LD50 values in the manufacturer's SDS) is above 2,000 mg/kg, so the mixture is not classified for acute toxicity. The 5% and 10% preparations are consistent with the manufacturer's SDSs for those dilutions (H412 with EUH208; H317, H412). The IFRA Category 10A limit (14.83%) does not allow a 25% reed-diffuser preparation; the diffuser SDS is therefore issued for 14% in Augeo Clean Multi. 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; AHTN = 7-acetyl-1,1,3,4,4,6-hexamethyltetralin; SVHC = Substance of Very High Concern.

Full text of H-statements (Sections 2 and 3):

H226 Flammable liquid and vapour. **H301** Toxic if swallowed. **H302** Harmful if swallowed. **H304** May be fatal if swallowed and enters airways. **H311** Toxic in contact with skin. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H318** Causes serious eye damage. **H319** Causes serious eye irritation. **H331** Toxic if inhaled. **H360FD** May damage fertility. May damage the unborn child. **H361** Suspected of damaging fertility or the unborn child. **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%
Acute toxicity (oral)	Not classified (ATE 3,422)	ATE ≈ 34,220 mg/kg / ≤ 2000	Not classified
Aspiration hazard	Not classified	Σ = 0.42% / ≥ 10%	Not classified
Skin irritation	Skin Irrit. 2	Σ = 0.00% / ≥ 10%	Not classified
Eye irritation	Eye Dam. 1	Σ = 0.0% / ≥ 10%	Not classified
Skin sensitisation	Skin Sens. 1	hexyl cinnamal 1.10% / ≥ 1%	Skin Sens. 1 — H317
Aquatic chronic	Aquatic Chronic 2	C2: 17.8%; C3: 178.6% / ≥ 25%	Aquatic Chronic 3 — H412
Physical hazards	Not classified (FP > 93.3 °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.