SAFETY DATA SHEET

ROSE THORN — 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	ROSE THORN
UFI	EW5N-XCUX-N00P-4HGW
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

Skin irritation	Skin Irrit. 2 — H315
Serious eye damage	Eye Dam. 1 — H318
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


GHS05


GHS07


GHS09

Hazard pictograms	GHS05, GHS07, GHS09
Signal word	DANGER
Contains (hazard-determining)	Hexyl cinnamal, Tetramethyl acetyloctahydronaphthalenes (OTNE), Geraniol, Nerol, Patchouli oil, Citronellol, Hexyl salicylate, Benzyl salicylate, Cedrol methyl ether (cedramber), Coumarin, d-Limonene

Hazard statements	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H411 Toxic to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains Cyclamen aldehyde, Hydroxycitronellal, Methylenedioxyphenyl methylpropanal, beta-Damascone (rose ketone), Linalyl acetate, Citral, Orange oil, Dipentene, Lime oil, distilled, Rose absolute (Rosa centifolia). 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. 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. P310 Immediately call a POISON CENTER/doctor. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P391 Collect spillage. 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
Benzyl benzoate	CAS 120-51-4 EC 204-402-9 REACH 01-2119976371-33	6.40 – 12.81	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	5.50 – 11.00	Skin Sens. 1, H317; Aquatic Chronic 2, H411
Ethylene brassylate	CAS 105-95-3 EC 203-347-8 REACH 01-2119976314-33	3.70 – 7.30	Aquatic Chronic 2, H411
Tetramethyl acetyloctahydronaphthalenes (OTNE)	CAS 54464-57-2 EC 259-174-3 REACH 01-2119489989-04	3.50 – 7.00	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	1.95 – 4.91	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	2.10 – 4.10	Acute Tox. 4 (oral), H302; Eye Irrit. 2, H319
Nerol	CAS 106-25-2 EC 203-378-7	1.21 – 3.45	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317
Ethyl vanillin	CAS 121-32-4 EC 204-464-7	1.70 – 3.30	Eye Irrit. 2, H319
Patchouli oil (Pogostemon cablin)	CAS 8014-09-3 EC 616-944-7	1.40 – 2.80	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	1.40 – 2.75	

Name	Identifiers	%	Classification (EC) No 1272/2008
Citronellol	CAS 106-22-9 EC 203-375-0 REACH 01-2119453995-23	1.08 – 2.27	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Hexyl salicylate	CAS 6259-76-3 EC 228-408-6	1.10 – 2.20	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	1.00 – 1.90	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	0.900 – 1.80	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	0.900 – 1.80	Eye Irrit. 2, H319
Cedrol methyl ether (cedramber)	CAS 19870-74-7 EC 243-384-7	0.600 – 1.20	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	0.600 – 1.20	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	0.600 – 1.10	Aquatic Chronic 3, H412
d-Limonene	CAS 5989-27-5 EC 205-341-0 REACH 01-2119493353-35	0.500 – 1.06	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	0.500 – 0.900	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	0.300 – 0.500	Acute Tox. 4 (oral), H302; Aquatic Chronic 1, H410
Cyclamen aldehyde	CAS 103-95-7 EC 203-161-7 REACH 01-2119970582-32	0.300 – 0.500	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	0.200 – 0.400	Eye Irrit. 2, H319; Skin Sens. 1B, H317
Rose oxide	CAS 16409-43-1 EC 240-457-5	0.200 – 0.400	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	0.200 – 0.400	Skin Sens. 1B, H317; Repr. 2, H361; Aquatic Chronic 2, H411
beta-Damascone (rose ketone)	CAS 23726-92-3 EC 245-843-7	0.200 – 0.300	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	0.100 – 0.275	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317
Allyl heptanoate	CAS 142-19-8 EC 205-527-1 REACH 01-2119488961-23	0.100 – 0.200	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	0.100 – 0.200	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	0.027 – 0.174	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317

Name	Identifiers	%	Classification (EC) No 1272/2008
Orange oil (Citrus sinensis)	CAS 8008-57-9 EC 232-433-8 REACH 01-2119493353-35	0.100 – 0.158	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	0.100 – 0.114	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	0.100 – 0.114	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	0.100 – 0.100	Aquatic Chronic 3, H412; Eye Irrit. 2, H319; Skin Sens. 1, H317
alpha-Pinene	CAS 80-56-8 EC 201-291-9	< 0.042	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

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. Serious eye damage possible: get immediate medical attention.
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	Serious eye damage. 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	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.
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 — rosy floral (rose, geranium, citrus, musk, vanilla, woods)
Flash point	> 93.3 °C
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 ≈ 3,422 mg/kg)
Skin corrosion/irritation	Skin Irrit. 2 — H315
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 Chronic 2 — H411. 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)	HP4, 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. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES)
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 EW5N-XCUX-N00P-4HGW (manufacturer's notification).
IFRA (51st)	Candles (Cat. 12): no restriction (100%). Reed diffusers (Cat. 10A): max 14.83%. Room sprays (Cat. 10B): max 93.67%. Fine fragrance (Cat. 4): max 14.33%. See IFRA certificate.

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.
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.