SAFETY DATA SHEET

BLACK LILY & ORCHID — 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 BLACK LILY & ORCHID 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 BLACK LILY & ORCHID at 10%
UFI (pure fragrance)	Not stated in the manufacturer's documents (requested)
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, H319, H412
Aquatic hazard, chronic	Aquatic Chronic 3 — H412. 10 × M × Σ Chronic 1 + Σ Chronic 2 = 8.5% (≥ 25% → Chronic 2); 100 × M × Σ Chronic 1 + 10 × Σ Chronic 2 + Σ Chronic 3 = 86.0%. Components below the generic cut-off values of Annex I, Table 1.1 (1%; 0.1% ÷ M for Acute 1 / Chronic 1) are not taken into account (8 components).
Skin sensitisation	Skin Sens. 1 — H317. Linalool 1.00%, geraniol 1.00% and isoeugenol 0.10% are each ≥ the concentration limit (Linalool: 1.00% generic; Geraniol: 1.00% generic; Isoeugenol: 0.01% SCL).
Eye irritation	Eye Irrit. 2 — H319. Σ Eye Irrit. 2 (≥ 1%) = 11.00% (threshold: 10%).
Skin irritation	Not classified — Σ Skin Irrit. 2 (≥ 1%) = 2.00% (threshold: 10%).
Aspiration hazard	Not classified — Σ Asp. Tox. 1 = 0.00% (threshold: 10%).
Acute toxicity (oral)	Not classified — ATE mix ≈ 52,912 mg/kg (threshold: 2000 mg/kg).
Notes	The pure fragrance (100%) is classified H315, H317, H318 and H411 (DANGER). See Annex — Calculation record.

2.2 Label elements



GHS07

Hazard pictograms	GHS07
Signal word	Warning
Contains (hazard-determining)	Linalool, Geraniol, Isoeugenol
Hazard statements	H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains Hydroxycitronellal, Nerol, Cyclohexylidene-o-tolyl-acetonitrile, Methyl 2,4-dihydroxy-3,6-dimethylbenzoate, Hexyl salicylate, Eugenol, Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde), Citronellol, Citral, delta-Damascone (rose ketone). 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. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: 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
Linalool	CAS 78-70-6 EC 201-134-4 REACH 01-2119474016-42	0.500 – 1.00	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Benzyl acetate	CAS 140-11-4 EC 205-399-7 REACH 01-2119638272-42	0.500 – 1.00	Aquatic Chronic 3, H412
Geraniol	CAS 106-24-1 EC 203-377-1 REACH 01-2119552430-49	0.500 – 1.00	Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1, H317
Hydroxycitronellal	CAS 107-75-5 EC 203-518-7 REACH 01-2119973482-31	0.100 – 0.500	Eye Irrit. 2, H319; Skin Sens. 1B, H317
Hexamethylindanopyran (HHCB)	CAS 1222-05-5 EC 214-946-9 REACH 01-2119488227-29	0.250 – 0.500	Aquatic Acute 1, H400; Aquatic Chronic 1, H410

Name	Identifiers	%	Classification (EC) No 1272/2008
Peonile	CAS 10461-98-0 EC 423-740-1 REACH 01-0000017023-83	0.250 – 0.500	Acute Tox. 4 (oral), H302; Aquatic Chronic 2, H411
Amyl salicylate	CAS 2050-08-0 EC 218-080-2 REACH 01-2119969444-27	0.100 – 0.250	Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Nerol	CAS 106-25-2 EC 203-378-7 REACH 01-2119983244-33	0.100 – 0.500	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
2-Phenylethanol	CAS 60-12-8 EC 200-456-2 REACH 01-2119963921-31	0.100 – 0.500	Acute Tox. 4 (oral), H302; Eye Irrit. 2, H319
Citronellyl acetate	CAS 150-84-5 EC 205-775-0 REACH 01-2119959860-27	0.100 – 0.250	Skin Irrit. 2, H315; Aquatic Chronic 2, H411
2-Methylbutyl salicylate	CAS 51115-63-0 EC 256-972-3 REACH 01-2119969444-27	0.100 – 0.250	Acute Tox. 4 (oral), H302; Aquatic Chronic 2, H411
Cyclohexylidene-o-tolyl-acetonitrile	CAS 916887-53-1 EC 482-300-5 REACH 01-0000020170-87	0.100 – 0.250	Skin Sens. 1B, H317; STOT RE 2, H373; Aquatic Chronic 2, H411
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	CAS 4707-47-5 EC 225-193-0 REACH 01-2120762759-36	0.010 – 0.100	Skin Sens. 1B, H317
Hexyl salicylate	CAS 6259-76-3 EC 228-408-6 REACH 01-2119638275-36	0.025 – 0.100	Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Eugenol	CAS 97-53-0 EC 202-589-1 REACH 01-2119971802-33	0.010 – 0.100	Eye Irrit. 2, H319; Skin Sens. 1B, H317
Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde)	CAS 68039-49-6 EC 943-728-2 REACH 01-2119982384-28	0.025 – 0.100	Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 2, H411
Rose oxide	CAS 16409-43-1 EC 240-457-5 REACH 01-2119976300-42	0.010 – 0.100	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Repr. 2, H361
Citronellol	CAS 106-22-9 EC 203-375-0 REACH 01-2119453995-23	0.010 – 0.100	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Indole	CAS 120-72-9 EC 204-420-7 REACH 01-2120745892-45	0.010 – 0.100	Acute Tox. 4 (oral), H302; Acute Tox. 3 (dermal), H311; Eye Dam. 1, H318
2-(2,2,7,7-Tetramethyltricyclo[6.2.1.0¹,⁶]undec-5(4)-en-5-yl)propan-1-ol	CAS 929625-08-1 EC 482-030-8 REACH 01-0000020145-80	0.010 – 0.025	Acute Tox. 4 (inhalation), H332; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
(1-Methyl-2-(1,2,2-trimethylbicyclo[3.1.0]hex-3-ylmethyl)cyclopropyl)methanol	CAS 198404-98-7 EC 427-900-1 REACH 01-0000017424-73	0.010 – 0.025	Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Isoeugenol	CAS 97-54-1 EC 202-590-7 REACH 01-2120223682-61	0.010 – 0.100	Acute Tox. 4 (oral), H302; Acute Tox. 4 (dermal), H312; Acute Tox. 4 (inhalation), H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1A, H317 (SCL ≥ 0.01%); STOT SE 3, H335
delta-Damascone (rose ketone)	CAS 57378-68-4 EC 260-709-8 REACH 01-2119535122-53	0.010 – 0.025	Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410

Name	Identifiers	%	Classification (EC) No 1272/2008
Citral	CAS 5392-40-5 EC 226-394-6 REACH 01-2119462829-23	0.010 – 0.100	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
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	Eye 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	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 (85 °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: Benzyl acetate, CAS 140-11-4 — Portugal: 10 ppm (8 h TWA). 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 — lily, orchid
Flash point	Not determined for the preparation; pure fragrance 85 °C (closed cup)
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 ≈ 52,912 mg/kg)
Skin corrosion/irritation	Not classified
Eye irritation	Eye Irrit. 2 — H319
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: hexamethylindanopyran (HHCB), amyl salicylate, hexyl salicylate, peonile and citronellyl acetate.
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

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, H319): a PCN with its own UFI is required if this preparation is placed on the market; the fragrance UFI can be declared as a component (MiM).
IFRA (50th)	Candles (Cat. 12): no restriction — 10% complies.

SECTION 16: Other information

Revision	Version 1.1 — Eco Candle Project edition, 04/11/2026. Based on the manufacturer's SDS for the pure fragrance (version 2.0 of 11/10/2021, issued 11/10/2021), IFRA 50th Amendment certificate (25/01/2023). The manufacturer declares component concentrations as ranges; the classification was calculated conservatively using the upper limit of each range. Changes from version 1.0 (23/10/2026): the generic cut-off values of Regulation (EC) No 1272/2008, Annex I, Table 1.1 are now applied in the summation method for aquatic hazards (ingredients below 1 % — or 0.1 % ÷ M for Aquatic Acute 1 / Chronic 1 — are not taken into account). 25% preparation: H317, H319, H411 → H317, H319, H412. Composition, other hazard classes and IFRA limits unchanged. 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; HHCB = hexamethylindanopyran; SVHC = Substance of Very High Concern.

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

H302 Harmful if swallowed. **H311** Toxic in contact with skin. **H312** Harmful 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. **H332** Harmful if inhaled. **H335** May cause respiratory irritation. **H361** Suspected of damaging fertility or the unborn child. **H373** May cause damage to organs through prolonged or repeated exposure. **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 5,291)	ATE ≈ 52,912 mg/kg / ≤ 2000	Not classified
Aspiration hazard	Not classified	Σ = 0.00% / ≥ 10%	Not classified
Skin irritation	Skin Irrit. 2	Σ = 2.00% / ≥ 10%	Not classified
Eye irritation	Eye Dam. 1	Σ = 11.0% / ≥ 10%	Eye Irrit. 2 — H319
Skin sensitisation	Skin Sens. 1	linalool 1.00% / ≥ 1%	Skin Sens. 1 — H317
Aquatic chronic	Aquatic Chronic 2	C2: 8.5%; C3: 86.0% / ≥ 25%	Aquatic Chronic 3 — H412
Physical hazards	Not classified (FP 85 °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.