SAFETY DATA SHEET

FROSTED LYCHEE & FREESIA — 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 FROSTED LYCHEE & FREESIA 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 FROSTED LYCHEE & FREESIA at 10%
UFI (pure fragrance)	F8NN-A4DJ-6009-C5PJ
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 = 7.9% (≥ 25% → Chronic 2); 100 × M × Σ Chronic 1 + 10 × Σ Chronic 2 + Σ Chronic 3 = 79.0%. 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 (9 components).
Skin sensitisation	Not classified — highest sensitiser citronellol 0.80% < 1%. EUH208 applies (≥ 1/10 of the limit).
Eye irritation	Not classified — Σ Eye Irrit. 2 (≥ 1%) = 1.00% (threshold: 10%).
Skin irritation	Not classified — Σ Skin Irrit. 2 (≥ 1%) = 0.00% (threshold: 10%).
Aspiration hazard	Not classified — Σ Asp. Tox. 1 = 0.01% (threshold: 10%).
Reproductive toxicity	Not classified — Repr. 1B component 0.200% (generic limit: 0.3%).
Notes	The pure fragrance (100%) is classified H315, H317, H318, H360 and H411 (DANGER). See Annex — Calculation record.

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 Citronellol, Geraniol, Nerol, 4-tert-Butylcyclohexyl acetate, Linalool, Tetramethyl acetyloctahydronaphthalenes (OTNE), Butylphenyl methylpropional (BMHCA), Cinnamyl alcohol, Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde), trans-Damascenone (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. 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 butylphenyl methylpropional (BMHCA, CAS 80-54-6), a substance on the REACH Candidate List of Substances of Very High Concern (SVHC, toxic for reproduction), at 0.20% (≥ 0.1%). It contains no PBT/vPvB substances (REACH Annex XIII) and no substances identified as having 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
2-Phenylethanol	CAS 60-12-8 EC 200-456-2 REACH 01-2119963921-31	0.750 – 1.00	Acute Tox. 4 (oral), H302; Eye Irrit. 2, H319
Citronellol	CAS 106-22-9 EC 203-375-0 REACH 01-2119453995-23	0.750 – 1.00	Skin Sens. 1B, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319
Geraniol	CAS 106-24-1 EC 203-377-1	0.750 – 1.00	Eye Dam. 1, H318; Skin Sens. 1, H317; Skin Irrit. 2, H315
Nerol	CAS 106-25-2 EC 203-378-7 REACH 01-2119983244-33	0.250 – 0.500	Skin Sens. 1B, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319
4-tert-Butylcyclohexyl acetate	CAS 32210-23-4 EC 250-954-9 REACH 01-2119976286-24	0.250 – 0.500	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
Linalool	CAS 78-70-6 EC 201-134-4 REACH 01-2119474016-42	0.250 – 0.500	Skin Sens. 1B, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319
Tetramethyl acetyloctahydronaphthalenes (OTNE)	CAS 54464-57-2 REACH 01-2119489989-04	0.250 – 0.500	Skin Sens. 1B, H317; Skin Irrit. 2, H315; Aquatic Chronic 1, H410
Butylphenyl methylpropional (BMHCA)	CAS 80-54-6 EC 201-289-8 REACH 01-2119485965-18	0.100 – 0.250	Repr. 1B, H360; Skin Sens. 1B, H317; Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412

Name	Identifiers	%	Classification (EC) No 1272/2008
beta-Ionone	CAS 79-77-6 EC 201-224-3 REACH 01-2119449921-34	0.100 – 0.250	Aquatic Chronic 2, H411
gamma-Undecalactone	CAS 104-67-6 EC 203-225-4 REACH 01-2119959333-34	0.100 – 0.250	Aquatic Chronic 3, H412
Tricyclodecenyl acetate	CAS 5413-60-5 REACH 01-2119488219-26	0.100 – 0.250	Aquatic Chronic 1, H410
Cinnamyl alcohol	CAS 104-54-1 EC 203-212-3 REACH 01-2119934496-29	0.100 – 0.250	Skin Sens. 1B, H317; Acute Tox. 4 (oral), H302
Diphenyl ether	CAS 101-84-8 EC 202-981-2 REACH 01-2119472545-33	0.050 – 0.100	Eye Irrit. 2, H319; Aquatic Acute 1, H400; Aquatic Chronic 3, H412
Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde)	CAS 68039-49-6 REACH 01-2119982384-28	0.050 – 0.100	Skin Sens. 1, H317; Skin Irrit. 2, H315; Aquatic Chronic 2, H411
Citral	CAS 5392-40-5 EC 226-394-6 REACH 01-2119462829-23	0.010 – 0.050	Skin Sens. 1, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319
Rose oxide	CAS 16409-43-1 EC 240-457-5 REACH 01-2119976300-42	0.010 – 0.050	Repr. 2, H361; Skin Irrit. 2, H315; Eye Irrit. 2, H319
Allyl alpha-ionone	CAS 79-78-7 EC 201-225-9	0.010 – 0.050	Skin Sens. 1B, H317; Aquatic Chronic 2, H411
d-Limonene	CAS 5989-27-5 EC 227-813-5	0.010 – 0.050	Asp. Tox. 1, H304; Skin Sens. 1B, H317; Skin Irrit. 2, H315; Aquatic Acute 1, H400; Aquatic Chronic 3, H412; Flam. Liq. 3, H226
trans-Damascenone (rose ketone)	CAS 23726-93-4 EC 245-844-2 REACH 01-2120105798-49	< 0.010	Skin Sens. 1A, H317; Acute Tox. 4 (inhalation), H332; Skin Irrit. 2, H315; Aquatic Chronic 2, H411
Cinnamal	CAS 104-55-2 EC 203-213-9	< 0.010	Skin Sens. 1A, H317 (SCL ≥ 0.01%); Acute Tox. 4 (dermal), H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412
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 below the fragrance flash point (98 °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	No occupational exposure limits for the components. 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 — fruity floral (lychee, rose, freesia)
Flash point	Not determined for the preparation; pure fragrance 98 °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
Skin corrosion/irritation	Not classified
Eye irritation	Not classified

Skin sensitisation	Not classified (EUH208)
Aspiration hazard	Not classified
Reproductive toxicity	Not classified (Repr. 1B component 0.200% < 0.3%)
Mutagenicity, carcinogenicity, STOT	Not classified

SECTION 12: Ecological information

12.1 Toxicity	Aquatic Chronic 3 — H412. Main contributors: hexamethylindanopyran (HHCB), tetramethyl acetyloctahydronaphthalenes (OTNE), tricyclodecenyl acetate, beta-Ionone and diphenyl ether.
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	Contains an SVHC on the REACH Candidate List ≥ 0.1%: butylphenyl methylpropional (BMHCA, CAS 80-54-6) (0.20%) — REACH Article 33 information duties apply to articles containing it above 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 1.1 — Eco Candle Project edition, 18/11/2026. Based on the manufacturer's SDS for the pure fragrance (version 14.0 of 24/03/2025, issued 24/03/2025), allergen declaration and IFRA 51st Amendment certificate (28/08/2025). The manufacturer declares component concentrations as ranges; the classification was calculated using the exact concentration given in the manufacturer's allergen declaration for the ingredients listed there and, conservatively, the upper limit of the range for all other ingredients. Changes from version 1.0 (03/10/2026): for the ingredients listed in the manufacturer's allergen declaration, the exact declared concentration is now used in the calculation instead of the upper limit of the concentration range given in the manufacturer's SDS. 10% preparation: H319, H412 → H412. Composition and IFRA limits unchanged. This edition re-issues the complete set of safety data sheets of this fragrance in the current Eco Candle Project format; the EUH208 list now follows the calculation rule (sensitisers at or above 1/10 of their classification limit). 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; 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. **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. **H360** May damage fertility or 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%
Aspiration hazard	Not classified	Σ = 0.01% / ≥ 10%	Not classified
Skin irritation	Skin Irrit. 2	Σ = 0.00% / ≥ 10%	Not classified
Eye irritation	Eye Dam. 1	Σ = 1.0% / ≥ 10%	Not classified
Skin sensitisation	Skin Sens. 1	citronellol 0.80% / ≥ 1%	Not classified (EUH208)
Reproductive toxicity	Repr. 1B	0.200% / ≥ 0.3%	Not classified
Aquatic chronic	Aquatic Chronic 2	C2: 7.9%; C3: 79.0% / ≥ 25%	Aquatic Chronic 3 — H412
Physical hazards	Not classified (FP 98 °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.