SAFETY DATA SHEET

FROSTED LYCHEE & FREESIA — fragrance compound, 100%
According to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878

⚠ **RESTRICTED TO PROFESSIONAL USERS.** The pure fragrance contains butylphenyl methylpropional (BMHCA) (2.0%, Repr. 1B) and is classified Repr. 1B — H360. Under REACH Annex XVII (entry 30) it must not be supplied neat to the general public. The 5% and 10% preparations are below the 0.3% limit and are not classified for reproductive toxicity.

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

1.1 Product identifier

Product form	Mixture
Trade name	FROSTED LYCHEE & FREESIA
UFI	F8NN-A4DJ-6009-C5PJ
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. Restricted to professional users (REACH Annex XVII, entry 30).
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
Reproductive toxicity	Repr. 1B — H360
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 GHS08 GHS09

Hazard pictograms	GHS05, GHS07, GHS08, GHS09
Signal word	DANGER

Contains (hazard-determining)	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)
Hazard statements	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H360 May damage fertility or the unborn child. H411 Toxic to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains Allyl alpha-ionone, Citral, d-Limonene, Cinnamal. May produce an allergic reaction. Restricted to professional users.
Precautionary statements	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. 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. P308+P313 IF exposed or concerned: Get medical advice/attention. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P391 Collect spillage. P405 Store locked up. 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 2.00% (≥ 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 (and substances with a workplace exposure limit) as declared by the manufacturer:

Name	Identifiers	%	Classification (EC) No 1272/2008
2-Phenylethanol	CAS 60-12-8 EC 200-456-2 REACH 01-2119963921-31	7.50 – 10.00	Acute Tox. 4 (oral), H302; Eye Irrit. 2, H319
Citronellol	CAS 106-22-9 EC 203-375-0 REACH 01-2119453995-23	7.50 – 10.00	Skin Sens. 1B, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319
Geraniol	CAS 106-24-1 EC 203-377-1	7.50 – 10.00	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	2.50 – 5.00	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	2.50 – 5.00	Skin Sens. 1B, H317
Hexamethylindanopyran (HHCB)	CAS 1222-05-5 EC 214-946-9 REACH 01-2119488227-29	2.50 – 5.00	Aquatic Acute 1, H400; Aquatic Chronic 1, H410

Name	Identifiers	%	Classification (EC) No 1272/2008
Linalool	CAS 78-70-6 EC 201-134-4 REACH 01-2119474016-42	2.50 – 5.00	Skin Sens. 1B, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319
Tetramethyl acetyloctahydronaphthalenes (OTNE)	CAS 54464-57-2 REACH 01-2119489989-04	2.50 – 5.00	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	1.00 – 2.50	Repr. 1B, H360; Skin Sens. 1B, H317; Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412
beta-Ionone	CAS 79-77-6 EC 201-224-3 REACH 01-2119449921-34	1.00 – 2.50	Aquatic Chronic 2, H411
gamma-Undecalactone	CAS 104-67-6 EC 203-225-4 REACH 01-2119959333-34	1.00 – 2.50	Aquatic Chronic 3, H412
Tricyclodecenyl acetate	CAS 5413-60-5 REACH 01-2119488219-26	1.00 – 2.50	Aquatic Chronic 1, H410
Cinnamyl alcohol	CAS 104-54-1 EC 203-212-3 REACH 01-2119934496-29	1.00 – 2.50	Skin Sens. 1B, H317; Acute Tox. 4 (oral), H302
Diphenyl ether	CAS 101-84-8 EC 202-981-2 REACH 01-2119472545-33	0.500 – 1.00	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	0.500 – 1.00	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	0.100 – 0.500	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	0.100 – 0.500	Repr. 2, H361; Skin Irrit. 2, H315; Eye Irrit. 2, H319
Allyl alpha-ionone	CAS 79-78-7 EC 201-225-9	0.100 – 0.500	Skin Sens. 1B, H317; Aquatic Chronic 2, H411
d-Limonene	CAS 5989-27-5 EC 227-813-5	0.100 – 0.500	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	< 0.100	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	< 0.100	Skin Sens. 1A, H317 (SCL ≥ 0.01%); Acute Tox. 4 (dermal), H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412

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. May damage fertility or the unborn child.
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	Obtain special instructions before use; do not handle until all safety precautions have been read and understood. 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. Store locked up.
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.
Respiratory protection	Not required with adequate ventilation; otherwise filter type A (EN 14387).

SECTION 9: Physical and chemical properties

Physical state	Liquid
Colour	Colourless to pale yellow
Odour	Characteristic — fruity-floral (lychee, freesia, rose)
Flash point	98 °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
Skin corrosion/irritation	Skin Irrit. 2 — H315
Eye irritation	Eye Dam. 1 — H318
Skin sensitisation	Skin Sens. 1 — H317
Aspiration hazard	Not classified
Reproductive toxicity	Repr. 1B — H360
Mutagenicity, carcinogenicity, STOT	Not classified

SECTION 12: Ecological information

12.1 Toxicity	Aquatic Chronic 2 — H411. 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)	HP4, HP10, 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. (HEXAMETHYLINDANOPYRAN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPYRAN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPYRAN)
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	Contains an SVHC on the REACH Candidate List ≥ 0.1%: butylphenyl methylpropional (BMHCA, CAS 80-54-6) (2.00%) — REACH Article 33 information duties apply to articles containing it above 0.1%. No Annex XIV substances. Annex XVII entry 30 (Repr. 1B ≥ 0.3%): the pure fragrance must not be placed on the market for supply to the general public; the packaging must be marked visibly, legibly and indelibly "Restricted to professional users".
Seveso III	E2 — Hazardous to the aquatic environment, Chronic 2.
PCN / UFI	UFI F8NN-A4DJ-6009-C5PJ (manufacturer's notification).
IFRA (51st)	Candles (Cat. 12): no restriction (100%). Reed diffusers (Cat. 10A): max 5.00%. Room sprays (Cat. 10B): max 31.50%. Fine fragrance (Cat. 4): max 33.02%. See IFRA certificate.

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).
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.