



SAFETY DATA SHEET

FROSTED LYCHEE & FREESIA — 5% preparation in non-hazardous 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 5% of FROSTED LYCHEE & FREESIA fragrance and 95% of non-hazardous base. All hazard, composition and concentration data have been recalculated from the manufacturer's original SDS using the 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 5%
UFI (pure fragrance)	F8NN-A4DJ-6009-C5PJ
Type of product	Perfumes, fragrances
Base	Non-hazardous, non-classified base — 95%

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Air-care products in a non-hazardous base: reed diffusers (5% is the IFRA Category 10A maximum), room sprays and other non-cosmetic applications.
Uses advised against	Not intended for application to skin. Not for cosmetic use.

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)
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Result	MIXTURE CLASSIFIED AS HAZARDOUS — H412
Eye irritation	Not classified — $10 \times \Sigma \text{Eye Dam. 1} + \Sigma \text{Eye Irrit. 2} = 5.24\%$ (threshold: 10%).
Skin sensitisation	Not classified — no sensitiser reaches its classification limit (1% for Cat. 1/1B; 0.1% for Cat. 1A; 0.01% SCL for cinnamal). EUH208 applies ($\geq 1/10$ of the limit).
Reproductive toxicity	Not classified — butylphenyl methylpropional (Repr. 1B) at $0.1\% < 0.3\%$ (generic limit).
Skin irritation	Not classified — $\Sigma \text{Skin Irrit. 2} = 1.50\%$ (threshold: 10%).
Aquatic hazard, chronic	Aquatic Chronic 3 — H412. $100 \times M \times \Sigma \text{Chronic 1} + 10 \times \Sigma \text{Chronic 2} + \Sigma \text{Chronic 3} = 41.8\% \geq 25\%$ (Chronic 2 sum: $4.16\% < 25\%$).
Acute toxicity (oral)	Not classified — ATE mix $\approx 245,409 \text{ mg/kg}$ (threshold: 2000 mg/kg).
Notes	The pure fragrance (100%) is classified H315, H317, H318, H360 and H411 (DANGER). Dilution removes H360, H318, H315 and H317 and reduces the aquatic hazard to H412. See Annex — Calculation record.

2.2 Label elements

Hazard pictograms	None
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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, OTNE (tetramethyl acetyloctahydronaphthalenes). 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	P101/P102 apply when supplied to consumers. Candles: also apply the safety labelling of EN 15494. Name, address and telephone of the supplier must appear on the label.

2.3 Other hazards

Contains butylphenyl methylpropional (CAS 80-54-6, SVHC Candidate List) at approx. 0.10% (at the 0.1% threshold).

According to REACH Annex XIII, the mixture contains no PBT or vPvB substances at $\geq 0.1\%$. The mixture contains no substances identified as having endocrine-disrupting properties (REACH Art. 59(1), Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605) at $\geq 0.1\%$.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Mixture: FROSTED LYCHEE & FREESIA fragrance at 5% in inert base (95%). Concentrations refer to the FINAL mixture at 5% (manufacturer's SDS ranges $\times 0.05$).

Actual contents in the pure fragrance according to the manufacturer's allergen certificate (extended list) were used where available: Citronellol 7.98%; Geraniol 7.73%; Hexamethylindanopyran (HHCB) 2.9%; Linalool 2.5%; OTNE (tetramethyl acetyloctahydronaphthalenes) 2.5%; Butylphenyl methylpropional (BMHCA, Lilial) 2%; Cinnamyl alcohol 1%; Citral 0.478%.

Name	Identifiers	%	Classification (EC) No 1272/2008
Phenethyl alcohol (2-phenylethanol)	CAS 60-12-8 EC 200-456-2 REACH 01-2119963921-31	0.375 – <0.5	Acute Tox. 4 (oral), H302 (ATE 1610 mg/kg); Eye Irrit. 2, H319
Citronellol	CAS 106-22-9 EC 203-375-0 REACH 01-2119453995-23	0.375 – <0.5	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Geraniol	CAS 106-24-1 EC 203-377-1	0.375 – <0.5	Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1, H317
Nerol	CAS 106-25-2 EC 203-378-7 REACH 01-2119983244-33	0.125 – <0.25	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
4-tert-Butylcyclohexyl acetate	CAS 32210-23-4 EC 250-954-9 REACH 01-2119976286-24	0.125 – <0.25	Skin Sens. 1B, H317
Hexamethylindanopyran (HHCB)	CAS 1222-05-5 EC 214-946-9 REACH 01-2119488227-29	0.125 – <0.25	Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Linalool	CAS 78-70-6 EC 201-134-4 REACH 01-2119474016-42	0.125 – <0.25	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
OTNE (tetramethyl acetylo ctahydronaphthalenes)	CAS 54464-57-2 EC 915-730-3 REACH 01-2119489989-04	0.125 – <0.25	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 1, H410



Name	Identifiers	%	Classification (EC) No 1272/2008
Butylphenyl methylpropional (BMHCA, Lilial)	CAS 80-54-6 EC 201-289-8 REACH 01-2119485965-18	0.05 – <0.125	Repr. 1B, H360; Acute Tox. 4 (oral), H302 (ATE 1390 mg/kg); Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412
beta-Ionone	CAS 79-77-6 EC 201-224-3 REACH 01-2119449921-34	0.05 – <0.125	Aquatic Chronic 2, H411
gamma-Undecalactone	CAS 104-67-6 EC 203-225-4 REACH 01-2119959333-34	0.05 – <0.125	Aquatic Chronic 3, H412
Tricyclodecenyl acetate	CAS 5413-60-5 EC — REACH 01-2119488219-26	0.05 – <0.125	Aquatic Chronic 1, H410
Cinnamyl alcohol	CAS 104-54-1 EC 203-212-3 REACH 01-2119934496-29	0.05 – <0.125	Acute Tox. 4 (oral), H302 (ATE 2000 mg/kg); Skin Sens. 1B, H317
Diphenyl ether	CAS 101-84-8 EC 202-981-2 REACH 01-2119472545-33	0.025 – <0.05	Eye Irrit. 2, H319; Aquatic Acute 1, H400; Aquatic Chronic 3, H412
2,4-Dimethyl-3-cyclohexene carboxaldehyde	CAS 68039-49-6 EC — REACH 01-2119982384-28	0.025 – <0.05	Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 2, H411
Citral	CAS 5392-40-5 EC 226-394-6 REACH 01-2119462829-23	0.005 – <0.025	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317
Rose oxide	CAS 16409-43-1 EC 240-457-5 REACH 01-2119976300-42	0.005 – <0.025	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Repr. 2, H361
Allyl ionone	CAS 79-78-7 EC 201-225-9	0.005 – <0.025	Skin Sens. 1B, H317; Aquatic Chronic 2, H411
d-Limonene	CAS 5989-27-5 EC 227-813-5	0.005 – <0.025	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 3, H412
Damascone (rose ketone)	CAS 23726-93-4 EC 245-844-2 REACH 01-2120105798-49	0 – <0.005	Acute Tox. 4 (inhal.), H332 (ATE 2.95 mg/l); Skin Irrit. 2, H315; Skin Sens. 1A, H317; Aquatic Chronic 2, H411
Cinnamal	CAS 104-55-2 EC 203-213-9	0 – <0.005	Acute Tox. 4 (dermal), H312 (ATE 1260 mg/kg); Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1A, H317 (SCL ≥ 0.01%); Aquatic Chronic 3, H412
Inert base	—	95	Not classified

Full text of H-statements: see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General	In case of exposure or concern, get medical advice. Show this safety data sheet to the doctor.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. 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.
Inhalation	Move the person to fresh air and keep at rest. If symptoms persist, seek medical advice.



Ingestion	Rinse mouth with water. Do NOT induce vomiting. Contact the Poison Centre (CIAV 800 250 250) or a doctor.
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4.2 Most important symptoms and effects, both acute and delayed

May produce an allergic reaction in sensitised persons.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media	Water spray, alcohol-resistant foam, dry chemical powder, carbon dioxide (CO ₂).
Unsuitable extinguishing media	High-volume water jet.
Special hazards	Combustion may release smoke, carbon monoxide (CO) and carbon dioxide (CO ₂).
Advice for firefighters	Wear self-contained breathing apparatus and full protective clothing. Collect contaminated fire-fighting water separately; it must not enter drains.

SECTION 6: Accidental release measures

Personal precautions	Wear gloves and eye protection. Avoid contact with skin and eyes. Ensure adequate ventilation. Remove ignition sources.
Environmental precautions	Prevent entry into drains, watercourses or soil. If rivers or lakes are contaminated, inform the authorities.
Containment and cleaning up	Absorb with inert material (sand, diatomaceous earth, universal binder). Place in suitable closed containers for disposal.
Reference to other sections	See Sections 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Use in well-ventilated areas. Keep away from heat and ignition sources. Wash hands after use.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed, preferably full containers, in a dry, cool and well-ventilated place, protected from light. Optimum temperature 11–25 °C. Keep away from heat, ignition sources and oxidising agents. Keep out of reach of children. Shelf life: 18 months in unopened original packaging.

7.3 Specific end use(s)

See Section 1.2 and the IFRA certificate.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Substance	Source	TWA 8 h	STEL 15 min
Diphenyl ether (CAS 101-84-8)	EU IOELV / Portugal (NP 1796)	1 ppm — 7 mg/m ³	2 ppm — 14 mg/m ³
Citral (CAS 5392-40-5)	Portugal (NP 1796)	5 ppm (inhalable fraction and vapour)	—

At 5% these components are present at ≤ 0.05% and 0.025% respectively. DNEL and PNEC: not available for the mixture.

8.2 Exposure controls



Engineering controls	Adequate general ventilation; local exhaust ventilation for heated or large-scale operations.
Eye/face protection	Safety glasses with side shields (EN 166).
Hand protection	Chemical-resistant gloves (EN ISO 374), nitrile or neoprene, thickness ≥ 0.2 mm. Prolonged contact: protection class ≥ 4 (breakthrough > 120 min); brief contact: class ≥ 1 (> 10 min).
Skin and body protection	Work clothing covering arms and legs.
Respiratory protection	Not required with adequate ventilation. If ventilation is insufficient: half-mask (EN 140) with ABEK filter (EN 14387); for mists/aerosols ABEK-P2.
Environmental exposure controls	Prevent product from entering drains.

SECTION 9: Physical and chemical properties

Physical state	Liquid (depends on base)
Colour	Depends on the base
Odour	Characteristic — fruity floral (lychee, rose, freesia)
pH	Not applicable
Melting point	Not applicable
Flash point	Depends on the base; pure fragrance 98 °C (closed cup). If the base is flammable, classify the mixture accordingly.
Density	Depends on the base (pure fragrance: 0.961 – 0.981 at 20 °C)
Solubility	Insoluble in water; soluble in oils and organic solvents

9.2 Other information: no physical hazard classes apply.

SECTION 10: Stability and reactivity

10.1 Reactivity	No known reaction with water.
10.2 Chemical stability	Stable at room temperature under recommended storage conditions.
10.3 Possibility of hazardous reactions	None known.
10.4 Conditions to avoid	Temperatures close to the flash point, open flames, ignition sources; do not heat closed containers.
10.5 Incompatible materials	Strong oxidising agents.
10.6 Hazardous decomposition products	In case of combustion: CO, CO ₂ and smoke.

SECTION 11: Toxicological information

The mixture has not been tested as a whole. Classification is based on the CLP calculation method using component data.

Acute toxicity	Not classified — ATE oral $\approx 245,409$ mg/kg
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Skin sensitisation	Not classified (EUH208)
Reproductive toxicity	Not classified (Repr. 1B component 0.1% $< 0.3\%$; Repr. 2 component 0.025% $< 3\%$)
Mutagenicity, carcinogenicity, STOT, aspiration	Not classified

11.2 Endocrine-disrupting properties: none at $\geq 0.1\%$.

**SECTION 12: Ecological information**

12.1 Toxicity	Aquatic Chronic 3 — H412. Main contributors: hexamethylindanopyran (HHCB), OTNE and tricyclodecanyl acetate (Aquatic Chronic 1, M = 1).
12.2 - 12.4 Persistence, bioaccumulation, mobility	No data available for the mixture.
12.5 PBT and vPvB assessment	No PBT/vPvB substances at $\geq 0.1\%$.
12.6 Endocrine disruption	None at $\geq 0.1\%$.
12.7 Other adverse effects	Do not allow to enter drains or watercourses.

SECTION 13: Disposal considerations

Product	Dispose of through a licensed waste operator in accordance with local/national regulations. Do not discharge to sewers, watercourses or soil.
Hazardous properties (waste)	HP14
Contaminated packaging	Empty completely; do not reuse; dispose of through an authorised waste operator.

SECTION 14: Transport information

Not classified as dangerous goods (ADR/RID/IMDG/IATA) at 5% — Aquatic Chronic 3 is not regulated for transport. UN number, shipping name, class and packing group: not applicable. The pure fragrance (100%) is UN 3082, Class 9, PG III.

SECTION 15: Regulatory information

EU regulations	Regulation (EC) No 1272/2008 (CLP); Regulation (EC) No 1907/2006 (REACH); Regulation (EU) 2020/878 (SDS format).
REACH Candidate List (SVHC)	Butylphenyl methylpropional, CAS 80-54-6 — approx. 0.10% in this mixture.
REACH Annex XVII (restrictions)	Butylphenyl methylpropional (CAS 80-54-6), Repr. 1B — entries 28-30 (CMR substances): mixtures at or above the classification limit (0.3%) must not be placed on the market for supply to the general public. At 5% the content (0.10%) is below 0.3%: the restriction does not apply.
REACH Annex XIV (authorisation)	None.
Cosmetics Regulation (EC) No 1223/2009	Butylphenyl methylpropional is listed in Annex II (prohibited in cosmetics since 01/03/2022). Not for cosmetic use.
PCN / UFI (CLP Annex VIII)	Not required — the mixture is classified only for an environmental hazard (H412).
IFRA (51st)	Reed diffusers (Cat. 10A): max 5.00% — 5% complies (at the limit). Room sprays (Cat. 10B): max 31.50% — complies. Do not exceed 5% in reed diffusers.

15.2 Chemical safety assessment: not carried out for this mixture.

SECTION 16: Other information

Revision	Version 1.0 — Eco Candle Project edition, 03/10/2026. Based on the manufacturer's SDS (v14.0, 24/03/2025), the allergen certificate — extended list (15/04/2024) and the IFRA 51st Amendment certificate (28/08/2025).
Classification method	Calculation method (CLP Art. 9 and Annex I), using component data.
Abbreviations	ATE = Acute Toxicity Estimate; SCL = Specific Concentration Limit; SVHC = Substance of Very High Concern; UFI = Unique Formula Identifier; PCN = Poison Centre Notification; OTNE = tetramethyl acetyloctahydronaphthalenes; HHCB = hexamethylindanopyran; BMHCA = butylphenyl methylpropional (Lilial).

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. It does not guarantee specific properties. Users must ensure suitability for their own application. If a base other than an inert, non-classified base is used, the classification must be recalculated.

ANNEX — Calculation record (5% in inert base)

Method: upper limit of each range in the manufacturer's SDS × 0.05; actual contents from the allergen certificate where available. Inert base = 0% contribution.

Hazard class	Fragrance 100%	Calculation at 5% / threshold	Result at 5%
Acute toxicity (oral)	Not classified	ETA ≈ 245,409 mg/kg / ≤ 2000	Not classified
Skin irritation	Skin Irrit. 2	Σ = 1.50% / ≥ 10%	Not classified
Eye damage/irritation	Eye Dam. 1	10 × 0.387 + 1.37 = 5.24% / ≥ 10%	Not classified
Skin sensitisation	Skin Sens. 1	max. Cat. 1/1B: citronellol 0.399% / ≥ 1%; Cat. 1A: damascone 0.005% / ≥ 0.1%; cinnamal 0.0004% / SCL 0.01%	Not classified (EUH208)
Reproductive toxicity	Repr. 1B	BMHCA 0.1% / ≥ 0.3%	Not classified
Aquatic chronic	Aquatic Chronic 2	C2: 4.16% / ≥ 25%; C3: 41.8% / ≥ 25%	Aquatic Chronic 3 — H412
Physical hazards	Not classified (FP 98 °C)	FP > 60 °C	Not classified

Conclusion: mixture classified H412 only (no pictogram, no signal word) + EUH208.