

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

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. For professional use only.
Uses advised against	Not for use in cosmetic products (contains butylphenyl methylpropional, Annex II of Regulation (EC) No 1223/2009). Not for direct application to skin.

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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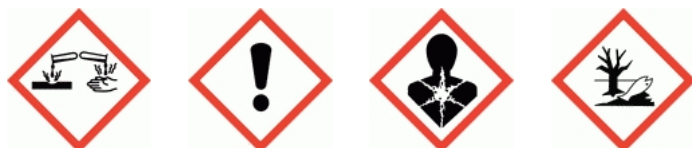
SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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 and confirmed by calculation (see Section 16).

2.2 Label elements



GHS05

GHS07

GHS08

GHS09

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



Contains (hazard-determining)	Butylphenyl methylpropional (BMHCA, Lilial), Geraniol, Citronellol, Nerol, Linalool, OTNE (tetramethyl acetyloctahydronaphthalenes), 4-tert-Butylcyclohexyl acetate, Cinnamyl alcohol, 2,4-Dimethyl-3-cyclohexene carboxaldehyde, Damascone (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 Citral, Allyl ionone, d-Limonene, Cinnamal. May produce an allergic reaction.
Precautionary statements	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. 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 or 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.
Additional phrase	Restricted to professional users.

2.3 Other hazards

Contains butylphenyl methylpropional (CAS 80-54-6), included in the REACH Candidate List of Substances of Very High Concern (SVHC), at approx. 2.0%.

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 of fragrance substances. Hazardous components:

Name	Identifiers	%	Classification (EC) No 1272/2008
Phenethyl alcohol (2-phenylethanol)	CAS 60-12-8 EC 200-456-2 REACH 01-2119963921-31	7.5 – <10	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	7.5 – <10	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Geraniol	CAS 106-24-1 EC 203-377-1	7.5 – <10	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	2.5 – <5	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	2.5 – <5	Skin Sens. 1B, H317
Hexamethylindanopyran (HHCB)	CAS 1222-05-5 EC 214-946-9 REACH 01-2119488227-29	2.5 – <5	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	2.5 – <5	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
OTNE (tetramethyl acetyloctahydronaphthalenes)	CAS 54464-57-2 EC 915-730-3 REACH 01-2119489989-04	2.5 – <5	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 1, H410
Butylphenyl methylpropional (BMHCA, Lilial)	CAS 80-54-6 EC 201-289-8 REACH 01-2119485965-18	1 – <2.5	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	1 – <2.5	Aquatic Chronic 2, H411
gamma-Undecalactone	CAS 104-67-6 EC 203-225-4 REACH 01-2119959333-34	1 – <2.5	Aquatic Chronic 3, H412
Tricyclodecanyl acetate	CAS 5413-60-5 EC — REACH 01-2119488219-26	1 – <2.5	Aquatic Chronic 1, H410
Cinnamyl alcohol	CAS 104-54-1 EC 203-212-3 REACH 01-2119934496-29	1 – <2.5	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	0.5 – <1	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	0.5 – <1	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	0.1 – <0.5	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	0.1 – <0.5	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Repr. 2, H361
Allyl ionone	CAS 79-78-7 EC 201-225-9	0.1 – <0.5	Skin Sens. 1B, H317; Aquatic Chronic 2, H411
d-Limonene	CAS 5989-27-5 EC 227-813-5	0.1 – <0.5	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 – <0.1	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 – <0.1	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

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 immediately and cautiously with plenty of water for at least 15 minutes, holding eyelids open. Remove contact lenses if easy to do. Call a POISON CENTRE or doctor immediately (risk of serious eye damage).



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.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye damage. Causes skin irritation. May cause an allergic skin reaction. May damage fertility or the unborn child.

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

Obtain special instructions before use; do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes; wear gloves and tight-fitting goggles. Do not eat, drink or smoke in the work area. Avoid exposure to high temperatures; keep away from ignition sources. Pregnant or breast-feeding workers should avoid handling the undiluted product. Wash hands after handling.

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. Store locked up. Storage class (TRGS 510): 10 — Combustible liquids.

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)	—

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	Tight-fitting safety goggles (EN 166); face shield if splashing is possible.
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
Colour	Colourless to pale yellow
Odour	Fruity floral — lychee, rose, peony, freesia, woody musk
Melting/freezing point	Not determined
Boiling point/range	Not determined
Flammability	Not flammable (flash point > 60 °C)
Flash point	98 °C (closed cup)
Auto-ignition temperature	Not determined
Decomposition temperature	Does not decompose if stored and used as directed
pH	Not applicable
Kinematic viscosity	Not determined
Solubility in water	Practically insoluble
Partition coefficient n-octanol/water	Not applicable (mixture)
Relative density	0.961 – 0.981 (d ₂₀ /20); 0.958 – 0.978 (d ₂₅ /25)
Refractive index	1.461 – 1.471 (n _D /20)
Particle characteristics	Not applicable (liquid)

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.
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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 (oral)	Not classified — calculated ATE $\approx$ 12,270 mg/kg ($>$ 2000)
Acute toxicity (dermal / inhalation)	Not classified
Skin corrosion/irritation	Skin Irrit. 2 — H315
Serious eye damage/irritation	Eye Dam. 1 — H318 (geraniol $\approx$ 7.7%)
Respiratory or skin sensitisation	Skin Sens. 1 — H317
Germ cell mutagenicity / carcinogenicity	Not classified
Reproductive toxicity	Repr. 1B — H360 (butylphenyl methylpropional $\approx$ 2.0% $\geq$ 0.3%)
STOT single / repeated exposure	Not classified
Aspiration hazard	Not classified

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

SECTION 12: Ecological information

12.1 Toxicity	Aquatic Chronic 2 — H411. Main contributors: hexamethylindanopyran (HHCB), OTNE and tricyclodeceny 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)	HP4, HP10, HP14
Contaminated packaging	Empty completely; do not reuse; dispose of through an authorised waste operator.

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. (HEXAHYDR OHEXAMETHYLINDENOPYRAN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAHYDR OHEXAMETHYLINDENOPYRAN)	Environmentally Hazardous Substance, Liquid, n.o.s. (Hexahydrohexamethylindeno pyran)
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 for user: see Section 7. ADR tunnel code (-). Limited quantity: 5 L. Packages $\leq$ 5 L/5 kg are exempt from ADR/IMDG environmentally hazardous provisions (SP 375 / 2.10.2.7). 14.7 Bulk transport (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 (SDS format).
REACH Candidate List (SVHC)	Butylphenyl methylpropional, CAS 80-54-6 — approx. 2.00% 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. This mixture ($\approx$ 2.0%) is therefore restricted to professional users.
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.
Seveso III (2012/18/EU)	E2 — Hazardous to the aquatic environment, Chronic 2.
Young / pregnant workers	Directive 92/85/EEC and 94/33/EC: observe restrictions for work with Repr. 1B mixtures.
PCN / UFI (CLP Annex VIII)	Classified for health hazards — PCN required. UFI: F8NN-A4DJ-6009-C5PJ.
IFRA (51st)	Candles (Cat. 12): no restriction. Reed diffusers (Cat. 10A): max 5.00%. Room sprays (Cat. 10B): max 31.50%. See IFRA certificate.

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.