SAFETY DATA SHEET

PIÑA COLADA — 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 lime oil, distilled (0.8%, Repr. 1A) and is classified Repr. 1A — H360. Under REACH Annex XVII (entry 30) it must not be supplied neat to the general public. The 5%, 10% and 7% 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	PIÑA COLADA
UFI	M9QW-14UW-700U-9MCH
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

Acute toxicity (oral)	Acute Tox. 4 — H302
Skin irritation	Skin Irrit. 2 — H315
Skin sensitisation	Skin Sens. 1 — H317
Reproductive toxicity	Repr. 1A — H360
Aquatic hazard, acute	Aquatic Acute 1 — H400
Aquatic hazard, chronic	Aquatic Chronic 2 — H411

Classification calculated by Eco Candle Project with the CLP calculation method (Regulation (EC) No 1272/2008), using the upper limit of each concentration range declared by the manufacturer, which coincides with the exact values of the manufacturer's allergen declaration and IFRA certificate (benzyl benzoate 24.3%, hexyl cinnamal 4.6%). In addition to the manufacturer's classification (H302, H315, H317, H360, H411), Aquatic Acute 1 — H400 is applied because the sum of Aquatic Acute 1 components (benzyl benzoate, orange oil, d-limonene, allyl cyclohexylpropionate, allyl heptanoate, camphene) exceeds 25% at the upper limits of the declared ranges. The reproductive toxicity classification (H360) results from distilled lime oil (Repr. 1A, 0.4–0.8%), above the 0.3% generic limit; the pure fragrance is therefore reserved for professional users. The diluted preparations (≤ 10%) contain at most 0.08% and are not classified for reproductive toxicity. The manufacturer has not issued SDSs for diluted preparations — the classifications of the 5%, 10% and 7% preparations were calculated by Eco Candle Project. Because the IFRA Category 10A limit is 7.81%, the diffuser preparation was calculated at 7% in Augeo

Clean Multi instead of 25%.

2.2 Label elements


GHS07


GHS08


GHS09

Hazard pictograms	GHS07, GHS08, GHS09
Signal word	DANGER
Contains (hazard-determining)	Hexyl cinnamal, Orange oil, d-Limonene, Allyl cyclohexylpropionate, Ethyl methylphenylglycidate (strawberry aldehyde), Lime oil, distilled, Benzyl benzoate, Ethyl maltol, Allyl amyl glycolate
Hazard statements	H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H360 May damage fertility or the unborn child. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains Lime oil, distilled, Litsea cubeba oil, Cyclamen aldehyde, Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde). 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. P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of water. 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 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 (and substances with a workplace exposure limit) as declared by the manufacturer:

Name	Identifiers	%	Classification (EC) No 1272/2008
Benzyl benzoate	CAS 120-51-4 EC 204-402-9 REACH 01-2119976371-33	12.20 – 24.30	Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
γ-Octalactone	CAS 104-50-7 EC 203-208-1 REACH 01-2120793635-41	5.00 – 10.00	Skin Irrit. 2, H315
Ethylene brassylate	CAS 105-95-3 EC 203-347-8 REACH 01-2119976314-33	4.00 – 8.00	Aquatic Chronic 2, H411

Name	Identifiers	%	Classification (EC) No 1272/2008
Hexyl cinnamal	CAS 101-86-0 EC 202-983-3 REACH 01-2119533092-50	2.30 – 4.60	Skin Sens. 1, H317; Aquatic Chronic 2, H411
Orange oil (Citrus sinensis)	CAS 8008-57-9 EC 232-433-8 REACH 01-2119493353-35	2.00 – 4.00	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Ethyl maltol	CAS 4940-11-8 EC 225-582-5	2.00 – 4.00	Acute Tox. 4 (oral), H302
d-Limonene	CAS 5989-27-5 EC 227-813-5 REACH 01-2119493353-35	1.60 – 3.15	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 3, H412
Allyl cyclohexylpropionate	CAS 2705-87-5 EC 220-292-5	1.60 – 3.15	Acute Tox. 4 (oral), H302; Acute Tox. 4 (dermal), H312; Acute Tox. 4 (inhalation), H332; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
2-tert-Butylcyclohexyl acetate	CAS 88-41-5 EC 201-828-7 REACH 01-2119970713-33	1.60 – 3.15	Aquatic Chronic 2, H411
Allyl heptanoate	CAS 142-19-8 EC 205-527-1 REACH 01-2119488961-23	0.900 – 1.80	Acute Tox. 3 (oral), H301; Acute Tox. 3 (dermal), H311; Acute Tox. 3 (inhalation), H331; Aquatic Acute 1, H400; Aquatic Chronic 3, H412
Ethyl methylphenylglycidate (strawberry aldehyde)	CAS 77-83-8 EC 201-061-8 REACH 01-2119967770-28	0.500 – 1.00	Skin Sens. 1B, H317; Aquatic Chronic 2, H411
Camphene	CAS 79-92-5 EC 201-234-8	0.500 – 1.00	Flam. Sol. 2, H228; Eye Irrit. 2, H319; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Tricyclodecenyl acetate	CAS 5413-60-5 EC 226-501-6	0.500 – 1.00	Aquatic Chronic 3, H412
Lime oil, distilled (Citrus aurantifolia)	CAS 8008-26-2 EC 290-010-3 REACH 01-2120138646-51	0.400 – 0.800	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Repr. 1A, H360FD; Asp. Tox. 1, H304; Aquatic Chronic 1, H410
Litsea cubeba oil	CAS 68855-99-2 EC 290-018-7	0.400 – 0.800	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Chronic 2, H411
Allyl amyl glycolate	CAS 67634-00-8 EC 266-803-5	0.300 – 0.500	Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Acute Tox. 2 (inhalation), H330
Benzyl acetate	CAS 140-11-4 EC 205-399-7 REACH 01-2119638272-42	0.200 – 0.400	Aquatic Chronic 3, H412
Cyclamen aldehyde	CAS 103-95-7 EC 203-161-7 REACH 01-2119970582-32	0.200 – 0.400	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 2, H411
Ethyl acetoacetate	CAS 141-97-9 EC 205-516-1	0.200 – 0.400	
Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde)	CAS 68039-49-6 EC 268-264-1	0.200 – 0.350	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412
Isoamyl acetate	CAS 123-92-2 EC 204-662-3 REACH 01-2119548408-32	0.100 – 0.250	Flam. Liq. 3, H226

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.
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	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	Exposure limits listed by the manufacturer: d-Limonene, CAS 5989-27-5 — Germany (TRGS 900) AGW 28 mg/m³ / 5 ppm; Finland HTP 140 mg/m³ / 25 ppm (8 h); Benzyl acetate, CAS 140-11-4 — Portugal: 10 ppm (8 h TWA); Isopentyl acetate, CAS 123-92-2 — EU IOELV / Portugal: 270 mg/m³ – 50 ppm (8 h TWA); 540 mg/m³ – 100 ppm (STEL). 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	Light yellow to amber
Odour	Characteristic — tropical fruity-gourmand (pineapple, coconut, rum, citrus)
Flash point	73 °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 (ATE ≈ 1,325 mg/kg)
Skin corrosion/irritation	Skin Irrit. 2 — H315
Eye irritation	Not classified
Skin sensitisation	Skin Sens. 1 — H317
Aspiration hazard	Not classified
Reproductive toxicity	Repr. 1A — H360
Mutagenicity, carcinogenicity, STOT	Not classified

SECTION 12: Ecological information

12.1 Toxicity	Aquatic Acute 1 — H400; Aquatic Chronic 2 — H411. Main contributors: allyl cyclohexylpropionate, benzyl benzoate, camphene, ethylene brassylate and lime oil, distilled.
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, HP6, 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. (ALLYL CYCLOHEXYLPROPIONATE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALLYL CYCLOHEXYLPROPIONATE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALLYL CYCLOHEXYLPROPIONATE)
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	No SVHC ≥ 0.1%; no Annex XIV substances. Annex XVII entry 30 (Repr. 1A ≥ 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	E1 — Hazardous to the aquatic environment, Acute 1 / Chronic 1.
PCN / UFI	UFI M9QW-14UW-700U-9MCH (manufacturer's notification).
IFRA (50th)	Candles (Cat. 12): no restriction (100%). Reed diffusers (Cat. 10A): max 7.81%. Room sprays (Cat. 10B): max 49.38%. Fine fragrance (Cat. 4): max 19.75%. See IFRA certificate.

SECTION 16: Other information

Revision	Version 1.0 — Eco Candle Project edition, 28/10/2026. Based on the manufacturer's SDS for the pure fragrance (version 1.0 of 03/05/2023, issued 03/05/2023), allergen declaration and IFRA 50th Amendment certificate (05/05/2023). The manufacturer declares component concentrations as ranges; the classification was calculated conservatively using the upper limit of each range.
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. **H228** Flammable solid. **H301** Toxic if swallowed. **H302** Harmful if swallowed. **H304** May be fatal if swallowed and enters airways. **H311** Toxic in contact with skin. **H312** Harmful in contact with skin. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H319** Causes serious eye irritation. **H330** Fatal if inhaled. **H331** Toxic if inhaled. **H332** Harmful if inhaled. **H360** May damage fertility or the unborn child. **H360FD** May damage fertility. May damage 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.