SAFETY DATA SHEET

PUMPKIN, VANILLA & CARAMEL — 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	PUMPKIN, VANILLA & CARAMEL
UFI	QNA0-308Q-U00V-38XA
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.
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

Eye irritation	Eye Irrit. 2 — H319
Skin sensitisation	Skin Sens. 1 — H317
Reproductive toxicity	Repr. 2 — H361
Aquatic hazard, chronic	Aquatic Chronic 2 — H411

Classification calculated by Eco Candle Project with the CLP calculation method (Regulation (EC) No 1272/2008) from the composition declared in the manufacturer's current SDS (version of 16/12/2024, issued 09/09/2026); it reproduces the classification in section 2.1 of that SDS (H317, H319, H361fd, H411). Piperonal is now classified Repr. 2 — H361fd and is present at 3.2% (≥ 3%), so the pure fragrance is classified Repr. 2. Note on tetrahydrofurfuryl alcohol (Repr. 1B): the manufacturer declares it at 0.30%, the value of the generic concentration limit (0.3%), and does not classify the fragrance Repr. 1B; Eco Candle Project follows the manufacturer's classification, which is based on the exact concentration in the formula (the declared value is rounded); confirmation of the exact value has been requested. The diluted preparations (≤ 25%) contain at most 0.8% piperonal and 0.075% tetrahydrofurfuryl alcohol and are not classified for reproductive toxicity.

2.2 Label elements



GHS07 GHS08 GHS09

Hazard pictograms	GHS07, GHS08, GHS09

Signal word	WARNING
Contains (hazard-determining)	Methyl cinnamate, Ginger root oil (Zingiber officinale), Linalyl acetate, Piperonal (heliotropin), Lemon oil, Linalool, Sweet orange oil, Levulinic acid, Citral, Cinnamal
Hazard statements	H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H361 Suspected of damaging fertility or the unborn child. H411 Toxic to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains Eugenol, Coumarin, Hexyl cinnamal, Geranyl acetate, Benzyl salicylate. 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. 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. P308+P313 IF exposed or concerned: Get medical advice/attention. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: 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
Methyl cinnamate	CAS 103-26-4 / 1754-62-7 EC 203-093-8 REACH 01-2119979458-16	15.30	Skin Sens. 1B, H317
Ginger root oil (Zingiber officinale)	CAS 8007-08-7 / 84696-15-1 EC 283-634-2	5.50	Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Sens. 1, H317
Linalyl acetate	CAS 115-95-7 EC 204-116-4 REACH 01-2119454789-19	3.41	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319
gamma-Undecalactone	CAS 104-67-6 EC 203-225-4 REACH 01-2119959333-34	3.30	Aquatic Chronic 3, H412
Piperonal (heliotropin)	CAS 120-57-0 EC 204-409-7 REACH 01-2119983608-21	3.20	Skin Sens. 1B, H317; Repr. 2, H361fd
Diethyl phthalate (DEP)	CAS 84-66-2 EC 201-550-6 REACH 01-2119486682-27	2.80	Not classified — substance with a Union workplace exposure limit
Lemon oil (Citrus limon)	CAS 8008-56-8 EC 616-925-3 REACH 01-2119495512-35	2.57	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317

Name	Identifiers	%	Classification (EC) No 1272/2008
Linalool	CAS 78-70-6 EC 201-134-4 REACH 01-2119474016-42	1.80	Skin Sens. 1B, H317
Ethyl heptanoate	CAS 106-30-9 EC 203-382-9	1.50	Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410; Aquatic Chronic 3, H412
Ethyl butanoate	CAS 105-54-4 EC 203-306-4 REACH 01-2120118576-54	1.40	Flam. Liq. 3, H226; Eye Irrit. 2, H319
Ethyl maltol	CAS 4940-11-8 EC 225-582-5	1.21	Acute Tox. 4 (oral), H302
Sweet orange oil (Citrus aurantium dulcis)	CAS 8028-48-6 / 8008-57-9 EC 232-433-8 REACH 01-2119493353-35	1.20	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Skin Sens. 1, H317
Levulinic acid	CAS 123-76-2 EC 204-649-2	1.07	Acute Tox. 4 (oral), H302; Eye Dam. 1, H318; Skin Sens. 1, H317
Methyl propionate	CAS 554-12-1 EC 209-060-4	1.05	Flam. Liq. 2, H225; Acute Tox. 4 (inhalation), H332
Citral	CAS 5392-40-5 EC 226-394-6 REACH 01-2119462829-23	1.00	Skin Irrit. 2, H315; Skin Sens. 1, H317
Isoamyl alcohol	CAS 123-51-3 EC 204-633-5	0.820	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Dam. 1, H318; Acute Tox. 4 (inhalation), H332; STOT SE 3, H335; Aquatic Chronic 2, H411
Cinnamal	CAS 104-55-2 EC 203-213-9	0.470	Skin Irrit. 2, H315; Aquatic Chronic 3, H412; Skin Sens. 1A, H317; Eye Irrit. 2, H319
Eugenol	CAS 97-53-0 EC 202-589-1 REACH 01-2119971802-33	0.430	Skin Sens. 1B, H317; Eye Irrit. 2, H319
Hexamethylindanopyran (HHCB)	CAS 1222-05-5 EC 214-946-9	0.330	Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Tetrahydrofurfuryl alcohol	CAS 97-99-4 EC 202-625-6	0.300	Eye Irrit. 2, H319; Repr. 1B, H360Df
Benzyl benzoate	CAS 120-51-4 EC 204-402-9 REACH 01-2119455540-44	0.220	Acute Tox. 4 (oral), H302; Aquatic Chronic 2, H411
Methyl ionone	CAS 1335-46-2 / 127-51-5 EC 204-846-3 REACH 01-2119471851-35	0.200	Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Eye Irrit. 2, H319
Terpinyl acetate	CAS 8007-35-0 EC 201-265-7 REACH 01-2119980733-29	0.200	Aquatic Chronic 2, H411
Coumarin	CAS 91-64-5 EC 202-086-7 REACH 01-2119949300-45	0.190	Acute Tox. 4 (oral), H302; Aquatic Chronic 3, H412; Skin Sens. 1, H317
Propylene glycol	CAS 57-55-6 EC 200-338-0 REACH 01-2119456809-23	0.190	Not classified — substance with a Union workplace exposure limit
2-Acetylfuran	CAS 1192-62-7 EC 244-753-5	0.150	Acute Tox. 3 (oral), H301; Acute Tox. 2 (dermal), H310; Acute Tox. 2 (inhalation), H330; Eye Irrit. 2, H319
Hexyl cinnamal	CAS 101-86-0 EC 202-983-3 REACH 01-2119533092-50	0.100	Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411

Name	Identifiers	%	Classification (EC) No 1272/2008
Geranyl acetate	CAS 105-87-3 EC 203-341-5 REACH 01-2119973480-35	0.100	Skin Irrit. 2, H315; Aquatic Chronic 3, H412; Skin Sens. 1, H317
Benzyl salicylate	CAS 118-58-1 EC 204-262-9 REACH 01-2119969442-31	0.100	Skin Sens. 1B, H317
Isoamyl phenylacetate	CAS 102-19-2 EC 203-012-6	0.008	Aquatic Chronic 2, H411
Isoamyl acetate	CAS 123-92-2 EC 204-662-3 REACH 01-2119548408-32	0.005	Flam. Liq. 3, H226
Butanedione (diacetyl)	CAS 431-03-8 EC 207-069-8	0.002	Flam. Liq. 2, H225; Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Acute Tox. 4 (inhalation), H332; STOT RE 1, H372; Eye Irrit. 2, H319

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	Eye irritation. May cause an allergic skin reaction.
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: Citral, CAS 5392-40-5 — 5 ppm (8 h TWA); Diethyl phthalate (DEP), CAS 84-66-2 — 5 mg/m³ (8 h TWA); 10 mg/m³ (15 min STEL); Isoamyl alcohol, CAS 123-51-3 — 366 mg/m³ / 100 ppm (8 h TWA); 458 mg/m³ / 125 ppm (15 min STEL); Propylene glycol, CAS 57-55-6 — 474 mg/m³ / 150 ppm (8 h TWA); Butanedione, CAS 431-03-8 — 0.07 mg/m³ / 0.02 ppm (8 h TWA). 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	Yellow
Odour	Characteristic — spicy-gourmand (nutmeg, orange, lemon, fruity notes, clove, caramel, tonka, vanilla)
Flash point	> 61 °C (closed cup)
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 ≈ 16,383 mg/kg)
Acute toxicity (dermal)	Not classified (ATE ≈ 32,637 mg/kg)
Acute toxicity (inhalation)	Not classified (ATE ≈ 26.6 mg/L)
Skin corrosion/irritation	Not classified

Eye irritation	Eye Irrit. 2 — H319
Skin sensitisation	Skin Sens. 1 — H317
Aspiration hazard	Not classified
Reproductive toxicity	Repr. 2 — H361
Mutagenicity, carcinogenicity, STOT	Not classified

SECTION 12: Ecological information

12.1 Toxicity	Aquatic Chronic 2 — H411. Main contributors: lemon oil, ethyl heptanoate, ginger root oil (Zingiber officinale), hexamethylindanopyran (HHCB) and sweet orange oil.
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, 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. (D'LIMONENE, PINENES)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D'LIMONENE, PINENES)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D'LIMONENE, PINENES)
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. Contains diethyl phthalate (DEP, 2.80%): not an SVHC and not restricted under Annex XVII (entries 51/52 do not cover DEP).
Drug precursors	Contains piperonal (CAS 120-57-0, 3.20%), a Category 1 scheduled substance under Regulation (EC) No 273/2004 (Annex I). The mixture is compounded so that the substance cannot be easily used or extracted; nevertheless, keep records of transactions and report any suspicious orders or transactions to the competent authority.
Seveso III	E2 — Hazardous to the aquatic environment, Chronic 2.
PCN / UFI	UFI QNA0-308Q-U00V-38XA (manufacturer's notification).
IFRA (51st)	Candles (Cat. 12): no restriction (100%). Reed diffusers (Cat. 10A): max 98.65%. Room sprays (Cat. 10B): max 77.82%. Fine fragrance (Cat. 4): max 49.32%. See IFRA certificate.

SECTION 16: Other information

Revision	Version 1.1 — Eco Candle Project edition, 04/11/2026. Based on the manufacturer's SDS for the pure fragrance (version 1 of 16/12/2024, issued 19/01/2024), allergen declaration and IFRA 51st Amendment certificate (19/01/2024). Changes from version 1.0 (22/10/2026): the generic cut-off values of Regulation (EC) No 1272/2008, Annex I, Table 1.1 are now applied in the summation method for aquatic hazards (ingredients below 1 % — or 0.1 % ÷ M for Aquatic Acute 1 / Chronic 1 — are not taken into account). 5% preparation: H412 → not classified. Composition, other hazard classes and IFRA limits unchanged.
Abbreviations	ATE = Acute Toxicity Estimate; UFI = Unique Formula Identifier; PCN = Poison Centre Notification; SCL = specific concentration limit; HHCB = hexamethylindanopyran; DEP = diethyl phthalate; SVHC = Substance of Very High Concern.

Full text of H-statements (Sections 2 and 3):

H225 Highly flammable liquid and vapour. **H226** Flammable liquid and vapour. **H301** Toxic if swallowed. **H302** Harmful if swallowed. **H304** May be fatal if swallowed and enters airways. **H310** Fatal 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. **H330** Fatal if inhaled. **H332** Harmful if inhaled. **H335** May cause respiratory irritation. **H360Df** May damage the unborn child. Suspected of damaging fertility. **H361** Suspected of damaging fertility or the unborn child. **H361fd** Suspected of damaging fertility. Suspected of damaging the unborn child. **H372** Causes damage to organs through prolonged or repeated exposure. **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.