SAFETY DATA SHEET

PUMPKIN, VANILLA & CARAMEL — 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 PUMPKIN, VANILLA & CARAMEL fragrance and 95% of non-hazardous base. Classification calculated by Eco Candle Project from the composition declared in the manufacturer's SDS for the pure fragrance (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 PUMPKIN, VANILLA & CARAMEL at 5%
UFI (pure fragrance)	QNA0-308Q-U00V-38XA
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 (within the IFRA 10A limit of 98.65%), room sprays and other non-cosmetic applications.
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

Result	MIXTURE NOT CLASSIFIED AS HAZARDOUS (EUH208 applies)
Aquatic hazard, chronic	Not classified — 10 × M × Σ Chronic 1 + Σ Chronic 2 = 1.3% (≥ 25% → Chronic 2); 100 × M × Σ Chronic 1 + 10 × Σ Chronic 2 + Σ Chronic 3 = 12.8%. Components below the generic cut-off values of Annex I, Table 1.1 (1%; 0.1% ÷ M for Acute 1 / Chronic 1) are not taken into account (14 components).
Skin sensitisation	Not classified — highest sensitiser methyl cinnamate 0.77% < 1%. EUH208 applies (≥ 1/10 of the limit).
Eye irritation	Not classified — Σ Eye Irrit. 2 (≥ 1%) = 0.00% (threshold: 10%).
Skin irritation	Not classified — Σ Skin Irrit. 2 (≥ 1%) = 0.00% (threshold: 10%).
Aspiration hazard	Not classified — Σ Asp. Tox. 1 = 0.46% (threshold: 10%).
Acute toxicity (oral)	Not classified — ATE mix ≈ 327,654 mg/kg (threshold: 2000 mg/kg).
Acute toxicity (dermal)	Not classified — ATE mix ≈ 652,742 mg/kg (threshold: 2000 mg/kg).
Acute toxicity (inhalation)	Not classified — ATE mix (dust/mist) ≈ 531.4 mg/L (Category 4: ≤ 5 mg/L).
Reproductive toxicity	Not classified — Highest Repr. 2 component 0.16% (generic limit: 3%).

Notes	The pure fragrance (100%) is classified H317, H319, H361 and H411 (WARNING). See Annex — Calculation record.

2.2 Label elements

Hazard pictograms	None
Signal word	None (no pictogram required)
Hazard statements	None
Supplemental information	EUH208 Contains Methyl cinnamate, Ginger root oil (Zingiber officinale), Linalyl acetate, Piperonal (heliotropin), Lemon oil, Cinnamal. 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. 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 — concentrations refer to the FINAL mixture at 5% (manufacturer's values × 0.05):

Name	Identifiers	%	Classification (EC) No 1272/2008
Methyl cinnamate	CAS 103-26-4 / 1754-62-7 EC 203-093-8 REACH 01-2119979458-16	0.765	Skin Sens. 1B, H317
Ginger root oil (Zingiber officinale)	CAS 8007-08-7 / 84696-15-1 EC 283-634-2	0.275	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	0.171	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	0.165	Aquatic Chronic 3, H412
Piperonal (heliotropin)	CAS 120-57-0 EC 204-409-7 REACH 01-2119983608-21	0.160	Skin Sens. 1B, H317; Repr. 2, H361fd
Diethyl phthalate (DEP)	CAS 84-66-2 EC 201-550-6 REACH 01-2119486682-27	0.140	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	0.129	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317
Linalool	CAS 78-70-6 EC 201-134-4 REACH 01-2119474016-42	0.090	Skin Sens. 1B, H317
Ethyl heptanoate	CAS 106-30-9 EC 203-382-9	0.075	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	0.070	Flam. Liq. 3, H226; Eye Irrit. 2, H319

Name	Identifiers	%	Classification (EC) No 1272/2008
Ethyl maltol	CAS 4940-11-8 EC 225-582-5	0.060	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	0.060	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	0.054	Acute Tox. 4 (oral), H302; Eye Dam. 1, H318; Skin Sens. 1, H317
Methyl propionate	CAS 554-12-1 EC 209-060-4	0.053	Flam. Liq. 2, H225; Acute Tox. 4 (inhalation), H332
Citral	CAS 5392-40-5 EC 226-394-6 REACH 01-2119462829-23	0.050	Skin Irrit. 2, H315; Skin Sens. 1, H317
Isoamyl alcohol	CAS 123-51-3 EC 204-633-5	0.041	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	0.024	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	0.022	Skin Sens. 1B, H317; Eye Irrit. 2, H319
Hexamethylindanopyran (HHCB)	CAS 1222-05-5 EC 214-946-9	0.017	Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Tetrahydrofurfuryl alcohol	CAS 97-99-4 EC 202-625-6	0.015	Eye Irrit. 2, H319; Repr. 1B, H360Df
Benzyl benzoate	CAS 120-51-4 EC 204-402-9 REACH 01-2119455540-44	0.011	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	0.010	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	0.010	Aquatic Chronic 2, H411
Coumarin	CAS 91-64-5 EC 202-086-7 REACH 01-2119949300-45	0.010	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	0.010	Not classified — substance with a Union workplace exposure limit
2-Acetylfuran	CAS 1192-62-7 EC 244-753-5	0.007	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	0.005	Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Geranyl acetate	CAS 105-87-3 EC 203-341-5 REACH 01-2119973480-35	0.005	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	0.005	Skin Sens. 1B, H317
Isoamyl phenylacetate	CAS 102-19-2 EC 203-012-6	0.0004	Aquatic Chronic 2, H411

Name	Identifiers	%	Classification (EC) No 1272/2008
Isoamyl acetate	CAS 123-92-2 EC 204-662-3 REACH 01-2119548408-32	0.0003	Flam. Liq. 3, H226
Butanedione (diacetyl)	CAS 431-03-8 EC 207-069-8	0.0001	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
Inert base	—	95	Not classified

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	May produce an allergic reaction in sensitised persons.
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	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.
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
Odour	Characteristic — pumpkin spice, caramel, vanilla
Flash point	Not determined for the preparation; pure fragrance > 61 °C (closed cup)
Density	Depends on the base
Solubility	Insoluble in water

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 ≈ 327,654 mg/kg)
Acute toxicity (dermal)	Not classified (ATE ≈ 652,742 mg/kg)
Acute toxicity (inhalation)	Not classified (ATE ≈ 531.4 mg/L)
Skin corrosion/irritation	Not classified
Eye irritation	Not classified
Skin sensitisation	Not classified (EUH208)
Aspiration hazard	Not classified
Reproductive toxicity	Not classified (highest Repr. 2 component 0.16% < 3%)
Mutagenicity, carcinogenicity, STOT	Not classified

SECTION 12: Ecological information

12.1 Toxicity	Not classified as hazardous to the aquatic environment (Σ aquatic-hazard components: lemon oil, ethyl heptanoate, ginger root oil (Zingiber officinale), hexamethylindanopyran (HHCB) and sweet orange oil, below the classification limits).
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)	None — not a hazardous waste on the basis of its classification (Annex III, Directive 2008/98/EC).
Contaminated packaging	Empty completely; do not reuse; dispose of as unused product.

SECTION 14: Transport information

Not classified as dangerous goods (ADR/RID/IMDG/IATA) at 5% — the preparation is not classified as hazardous to the aquatic environment. 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.
SVHC / Annex XIV / Annex XVII	No SVHC ≥ 0.1%; no Annex XIV substances. Contains diethyl phthalate (DEP, 0.14%): not an SVHC and not restricted under Annex XVII (entries 51/52 do not cover DEP).
Drug precursors	Contains piperonal (CAS 120-57-0, 0.16%), 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.
PCN / UFI	Not required — the mixture is not classified as hazardous.
IFRA (51st)	Reed diffusers (Cat. 10A): max 98.65% — 5% complies. Room sprays (Cat. 10B): max 77.82% — complies.

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. Classification of the 5% preparation calculated by Eco Candle Project.
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. **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. If a different base is used, the classification must be recalculated.

ANNEX — Calculation record (5%)

Hazard class	Fragrance 100%	Calculation at 5% / threshold	Result at 5%
Acute toxicity (oral)	Not classified (ATE 16,383)	ATE ≈ 327,654 mg/kg / ≤ 2000	Not classified
Acute toxicity (dermal)	Not classified (ATE 32,637 mg/kg)	ATE ≈ 652,742 mg/kg / ≤ 2000	Not classified
Acute toxicity (inhalation)	Not classified (ATE 26.57 mg/L)	ATE ≈ 531.4 mg/L / ≤ 5	Not classified
Aspiration hazard	Not classified	Σ = 0.46% / ≥ 10%	Not classified
Skin irritation	Not classified	Σ = 0.00% / ≥ 10%	Not classified
Eye irritation	Eye Irrit. 2	Σ = 0.0% / ≥ 10%	Not classified
Skin sensitisation	Skin Sens. 1	methyl cinnamate 0.77% / ≥ 1%	Not classified (EUH208)
Reproductive toxicity	Repr. 2	0.16% / ≥ 3%	Not classified
Aquatic chronic	Aquatic Chronic 2	C2: 1.3%; C3: 12.8% / ≥ 25%	Not classified
Physical hazards	Not classified (FP > 61 °C)	FP > 60 °C	Not classified

Calculated from the composition declared in the manufacturer's SDS (100%). The same method reproduces the manufacturer's classification of the pure fragrance.