SAFETY DATA SHEET

TOMATO LEAVES & VINES — 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 TOMATO LEAVES & VINES 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 TOMATO LEAVES & VINES at 5%
UFI (pure fragrance)	QV21-A4V2-100D-XCNY
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 1.02%), 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 = 0.8% (≥ 25% → Chronic 2); 100 × M × Σ Chronic 1 + 10 × Σ Chronic 2 + Σ Chronic 3 = 8.6%.
Skin sensitisation	Not classified — highest sensitiser orange oil 0.36% < 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 = 0.40% (threshold: 10%).
Acute toxicity (oral)	Not classified — ATE mix ≈ 138,500 mg/kg (threshold: 2000 mg/kg).
Germ cell mutagenicity	Not classified — Muta. 2 component 0.36% (generic limit: 1%).
Carcinogenicity	Not classified — Carc. 2 component 0.36% (generic limit: 1%).
Notes	The pure fragrance (100%) is classified H315, H317, H341, H351 and H412 (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 Orange oil, Basil oil (Ocimum basilicum L.), Hexyl cinnamal, Benzyl salicylate. 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
Orange oil (Citrus sinensis)	CAS 8008-57-9 EC 232-433-8 REACH 01-2119493353-35	0.240 – 0.482	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Basil oil (Ocimum basilicum L.)	CAS 8015-73-4 EC 283-900-8;616-962-5	0.240 – 0.482	Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Muta. 2, H341; Carc. 2, H351; Aquatic Chronic 3, H412
Hexyl cinnamal	CAS 101-86-0 EC 202-983-3 REACH 01-2119533092-50	0.120 – 0.241	Skin Sens. 1, H317; Aquatic Chronic 2, H411
Benzyl salicylate	CAS 118-58-1 EC 204-262-9 REACH 01-2119969442-31	0.065 – 0.126	Eye Irrit. 2, H319; Skin Sens. 1B, H317; Aquatic Chronic 3, H412
Lemon oil terpenes	CAS 68917-33-9 EC 284-515-8;614-796-8	0.025 – 0.048	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Chronic 2, H411
Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde)	CAS 68039-49-6 EC 268-264-1	0.020 – 0.039	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412
Hexamethylindanopyran (HHCB)	CAS 1222-05-5 EC 214-946-9 REACH 01-2119488227-29	0.010 – 0.024	Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Neryl acetate	CAS 141-12-8 EC 205-459-2	0.005 – 0.006	Skin Sens. 1B, H317
Citral	CAS 5392-40-5 EC 226-394-6 REACH 01-2119462829-23	0.005 – 0.006	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317
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 — Portugal: 5 ppm (8 h TWA), sensitiser. 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 — tomato leaf, basil, green vines

Flash point	Not determined for the preparation; pure fragrance 75 °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 ≈ 138,500 mg/kg)
Skin corrosion/irritation	Not classified
Eye irritation	Not classified
Skin sensitisation	Not classified (EUH208)
Aspiration hazard	Not classified
Germ cell mutagenicity	Not classified (Muta. 2 component 0.36% < 1%)
Carcinogenicity	Not classified (Carc. 2 component 0.36% < 1%)
Reproductive toxicity, STOT	Not classified

SECTION 12: Ecological information

12.1 Toxicity	Not classified as hazardous to the aquatic environment (Σ aquatic-hazard components: orange oil, hexyl cinnamal, hexamethylindanopyran (HHCB) and lemon oil terpenes, 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 not regulated for transport either.

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.
PCN / UFI	Not required — the mixture is not classified as hazardous.
IFRA (51st)	Reed diffusers (Cat. 10A): max 1.02% — 5% does NOT comply. Room sprays (Cat. 10B): max 2.40% — does NOT comply.

SECTION 16: Other information

Revision	Version 1.0 — Eco Candle Project edition, 22/10/2026. Based on the manufacturer's SDS for the pure fragrance (version 3.0 of 21/03/2023, issued 10/09/2021), allergen declaration and IFRA 51st Amendment certificate (25/04/2024). The manufacturer declares component concentrations as ranges. Exact values from the manufacturer's allergen declaration and IFRA certificate were used where available (hexyl cinnamal 4.8209%, benzyl salicylate 2.5208%, citral 0.1157%, triplal 0.7713%) and the midpoint of the range otherwise; with these values the calculation reproduces the manufacturer's classification of the pure fragrance (H315, H317, H341, H351, H412). Using the upper limit of every range would add Asp. Tox. 1 — H304 (orange oil + lemon terpenes 10.6%, just above the 10% limit), which the manufacturer — who knows the exact formula — does not apply. The germ cell mutagenicity and carcinogenicity classifications (Muta. 2 — H341, Carc. 2 — H351) come from basil oil (estragole/methyl eugenol content) above the 1% generic limit; at 5% and 10% basil oil is below 1% and these classifications do not apply. The 10% preparation is consistent with the manufacturer's SDS for that dilution in dipropylene glycol (not classified, EUH208). IFRA limits this fragrance to 1.02% in reed diffusers (Category 10A): it is not suitable for diffusers, so no diffuser SDS is issued. 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; SVHC = Substance of Very High Concern.

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. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H319** Causes serious eye irritation. **H341** Suspected of causing genetic defects. **H351** Suspected of causing cancer. **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 6,925)	ATE ≈ 138,500 mg/kg / ≤ 2000	Not classified
Aspiration hazard	Not classified	Σ = 0.40% / ≥ 10%	Not classified
Skin irritation	Skin Irrit. 2	Σ = 0.00% / ≥ 10%	Not classified
Eye irritation	Not classified	Σ = 0.0% / ≥ 10%	Not classified
Skin sensitisation	Skin Sens. 1	orange oil 0.36% / ≥ 1%	Not classified (EUH208)
Germ cell mutagenicity	Muta. 2	0.36% / ≥ 1%	Not classified
Carcinogenicity	Carc. 2	0.36% / ≥ 1%	Not classified
Aquatic chronic	Aquatic Chronic 3	C2: 0.8%; C3: 8.6% / ≥ 25%	Not classified
Physical hazards	Not classified (FP 75 °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.