

SAFETY DATA SHEET

TOMATO LEAVES & VINES — 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	TOMATO LEAVES & VINES
UFI	QV21-A4V2-100D-XCNY
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)
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin irritation	Skin Irrit. 2 — H315
Skin sensitisation	Skin Sens. 1 — H317
Germ cell mutagenicity	Muta. 2 — H341
Carcinogenicity	Carc. 2 — H351
Aquatic hazard, chronic	Aquatic Chronic 3 — H412

Classification according to Regulation (EC) No 1272/2008 [CLP], as given in the manufacturer's SDS (calculation method); verified by Eco Candle Project with the same method.

2.2 Label elements



GHS07



GHS08

Hazard pictograms	GHS07, GHS08
Signal word	WARNING
Contains (hazard-determining)	Orange oil, Basil oil (Ocimum basilicum L.), Hexyl cinnamal, Benzyl salicylate



Hazard statements	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H412 Harmful to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde), Lemon oil terpenes, Citral, Neryl acetate. 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. P308+P313 IF exposed or concerned: Get medical advice/attention. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. 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) $\geq 0.1\%$, no PBT/vPvB substances (REACH Annex XIII) and no substances with endocrine-disrupting properties $\geq 0.1\%$ (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
Orange oil (Citrus sinensis)	CAS 8008-57-9 EC 232-433-8 REACH 01-2119493353-35	4.80 – 9.64	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	4.80 – 9.64	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	2.40 – 4.82	Skin Sens. 1, H317; Aquatic Chronic 2, H411
Benzyl salicylate	CAS 118-58-1 EC 204-262-9 REACH 01-2119969442-31	1.30 – 2.52	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	0.500 – 0.964	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	0.400 – 0.771	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	0.200 – 0.482	Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Neryl acetate	CAS 141-12-8 EC 205-459-2	0.100 – 0.116	Skin Sens. 1B, H317
Citral	CAS 5392-40-5 EC 226-394-6 REACH 01-2119462829-23	0.100 – 0.116	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317

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. Suspected of causing genetic defects (long-term exposure). Suspected of causing cancer (long-term exposure).
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 — 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
Colour	Light yellow to amber
Odour	Characteristic — green herbal (tomato leaf, basil, green vines, citrus)
Flash point	75 °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 ≈ 6,925 mg/kg)
Skin corrosion/irritation	Skin Irrit. 2 — H315
Eye irritation	Not classified
Skin sensitisation	Skin Sens. 1 — H317
Aspiration hazard	Not classified
Germ cell mutagenicity	Muta. 2 — H341
Carcinogenicity	Carc. 2 — H351
Reproductive toxicity, STOT	Not classified

SECTION 12: Ecological information

12.1 Toxicity	Aquatic Chronic 3 — H412. Main contributors: orange oil, hexyl cinnamal, hexamethylindanopyran (HHCB) and lemon oil terpenes.
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, HP7, HP11, HP13, HP14
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 100% — Aquatic Chronic 3 is not regulated for transport.

**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 $\geq 0.1\%$; no Annex XIV substances.
PCN / UFI	UFI QV21-A4V2-100D-XCNY (manufacturer's notification).
IFRA (51st)	Candles (Cat. 12): no restriction (100%). Reed diffusers (Cat. 10A): max 1.02%. Room sprays (Cat. 10B): max 2.40%. Fine fragrance (Cat. 4): max 15.28%. See IFRA certificate.

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.
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.