

SAFETY DATA SHEET

ORANGE VERTE & NEROLI — 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	ORANGE VERTE & NEROLI
UFI	VT8D-U79C-P00X-30N1
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

Flammable liquids	Flam. Liq. 3 — H226
Aspiration hazard	Asp. Tox. 1 — H304
Skin irritation	Skin Irrit. 2 — H315
Eye irritation	Eye Irrit. 2 — H319
Skin sensitisation	Skin Sens. 1 — H317
Aquatic hazard, chronic	Aquatic Chronic 3 — H412

Classification calculated by Eco Candle Project with the CLP calculation method (Regulation (EC) No 1272/2008) from the composition described in section 16; it reproduces the manufacturer's classification (H226, H304, H315, H317, H319, H412). Flam. Liq. 3 — H226 is based on the manufacturer's measured flash point of 60 °C (closed cup). Aspiration hazard: Σ Asp. Tox. 1 components $\approx$ 25% ($\geq$ 10%) and the mixture is a low-viscosity hydrocarbon-rich liquid, consistent with the manufacturer's H304.

2.2 Label elements



GHS02



GHS07



GHS08

Hazard pictograms	GHS02, GHS07, GHS08
Signal word	DANGER



Contains (hazard-determining)	Linalyl acetate, Linalool, 2,2,6-Trimethyl-alpha-propylcyclohexanepropanol, Citral, d-Limonene, Patchouli-type ferment extract (Saccharomyces/sucrose ferment extract)
Hazard statements	H226 Flammable liquid and vapour. 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. H412 Harmful to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains alpha-Isomethyl ionone, Nerolidol, Neryl acetate, (E)-2-Dodecenal, beta-n-Methylionone, Carvone, Geranyl acetate. May produce an allergic reaction.
Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing mist/vapours/spray. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. 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. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P331 Do NOT induce vomiting. P403+P235 Store in a well-ventilated place. Keep cool. 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
d-Limonene	CAS 5989-27-5 EC 227-813-5	15.00 - 20.00	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Acute 1, H400; Aquatic Chronic 3, H412
Linalyl acetate	CAS 115-95-7 EC 204-116-4 REACH 01-2119454789-19	15.00 - 20.00	Skin Sens. 1B, H317; Eye Irrit. 2, H319
Linalool	CAS 78-70-6 EC 201-134-4 REACH 01-2119474016-42	2.50 - 5.00	Skin Sens. 1B, H317; Eye Irrit. 2, H319
2,2,6-Trimethyl-alpha-propylcyclohexanepropanol	CAS 70788-30-6 EC 274-892-7 REACH 01-2120085416-52	1.00 - 2.50	Skin Sens. 1B, H317
Citral	CAS 5392-40-5 EC 226-394-6 REACH 01-2119462829-23	1.00 - 2.50	Skin Sens. 1, H317; Eye Irrit. 2, H319
Patchouli-type ferment extract (Saccharomyces/sucrose ferment extract)	CAS 1450625-49-6 REACH 01-2119967775-18	1.00 - 2.50	Asp. Tox. 1, H304



Name	Identifiers	%	Classification (EC) No 1272/2008
beta-Pinene	CAS 18172-67-3 EC 242-060-2	0.500 – 1.00	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
alpha-Isomethyl ionone	CAS 127-51-5 EC 204-846-3	0.500 – 1.00	Skin Sens. 1B, H317
gamma-Terpinene	CAS 99-85-4 EC 202-794-6 REACH 01-2120780478-40	0.100 – 0.500	Flam. Liq. 3, H226; Repr. 2, H361; Aquatic Chronic 2, H411
p-Cymene	CAS 99-87-6 EC 202-796-7 REACH 01-2120807345-59	0.100 – 0.500	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Repr. 2, H361; Aquatic Chronic 2, H411
Carvone	CAS 99-49-0 EC 202-759-5 REACH 01-2119962458-25	0.100 – 0.500	Skin Sens. 1B, H317
Myrcene	CAS 123-35-3 EC 204-622-5	0.100 – 0.500	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Eye Irrit. 2, H319; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Geranyl acetate	CAS 105-87-3 EC 203-341-5 REACH 01-2119973480-35	0.100 – 0.500	Skin Sens. 1B, H317; Aquatic Chronic 3, H412
Ocimene	CAS 13877-91-3 EC 237-641-2 REACH 01-2120739475-47	0.100 – 0.500	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Nerolidol	CAS 7212-44-4 EC 230-597-5 REACH 01-2119457636-29	0.100 – 0.500	Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
alpha-Pinene	CAS 7785-26-4 EC 232-077-3	0.100 – 0.500	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Geraniol	CAS 106-24-1 EC 203-377-1 REACH 01-2119552430-49	0.100 – 0.500	Eye Dam. 1, H318; Skin Irrit. 2, H315
Neryl acetate	CAS 141-12-8 EC 205-459-2 REACH 01-2120748334-54	0.100 – 0.500	Skin Sens. 1B, H317
beta-Caryophyllene	CAS 87-44-5 EC 201-746-1 REACH 01-2120745237-53	0.100 – 0.500	Asp. Tox. 1, H304
Terpinolene	CAS 586-62-9 EC 209-578-0 REACH 01-2119982325-32	0.100 – 0.500	Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
(E)-2-Dodecenal	CAS 20407-84-5 EC 243-797-2 REACH 01-2120111676-59	0.100 – 0.500	Skin Sens. 1B, H317; Eye Irrit. 2, H319; Aquatic Acute 1, H400
beta-n-Methylionone	CAS 63429-28-7 EC 264-140-6	0.100 – 0.500	Skin Sens. 1B, H317; Aquatic Chronic 2, H411

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. Skin 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	Flammable liquid and vapour (flash point 60 °C); vapours can form ignitable mixtures with air when heated. Cool exposed containers with water spray. 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). 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	Pale yellow to yellow
Odour	Characteristic — fresh citrus (green orange, neroli, petitgrain)
Flash point	60 °C (closed cup)
Flammability	Flam. Liq. 3 — H226 (flash point 60 °C, ≤ 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.
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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 ≈ 100,000 mg/kg)
Acute toxicity (inhalation)	Not classified (ATE ≈ 600.0 mg/L)
Skin corrosion/irritation	Skin Irrit. 2 — H315
Eye irritation	Eye Irrit. 2 — H319
Skin sensitisation	Skin Sens. 1 — H317
Aspiration hazard	Not classified
Mutagenicity, carcinogenicity, reproductive toxicity, STOT	Not classified

SECTION 12: Ecological information

12.1 Toxicity	Aquatic Chronic 3 — H412. Main contributors: d-Limonene, beta-Pinene, nerolidol, alpha-Pinene and terpinolene.
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)	HP3, HP4, HP5, 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 1197	UN 1197	UN 1197
14.2 Proper shipping name	EXTRACTS, LIQUID, FOR FLAVOUR OR AROMA	EXTRACTS, LIQUID, FOR FLAVOUR OR AROMA	EXTRACTS, LIQUID, FOR FLAVOUR OR AROMA
14.3 Class	3	3	3
14.4 Packing group	III	III	III
14.5 Environmental hazards	No	No — not a marine pollutant	No

14.6 Special precautions: flammable liquid (flash point 60 °C); ADR tunnel code (D/E); limited quantity 5 L. 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 $\geq 0.1\%$; no Annex XIV substances.
Seveso III	P5c — Flammable liquids, Category 3 (Annex I, Part 1, Directive 2012/18/EU).
PCN / UFI	UFI VT8D-U79C-P00X-30N1 (manufacturer's notification).
IFRA (51st)	Candles (Cat. 12): no restriction (100%). Reed diffusers (Cat. 10A): max 37.40%. Room sprays (Cat. 10B): max 20.67%. Fine fragrance (Cat. 4): max 20.67%. See IFRA certificate.

SECTION 16: Other information

Revision	Version 1.0 — Eco Candle Project edition, 23/10/2026. Based on the manufacturer's SDS for the pure fragrance (version 13.0 of 11/03/2024, issued 11/03/2024), allergen declaration and IFRA 51st Amendment certificate (10/11/2023). The manufacturer declares component concentrations as ranges. Exact values from the manufacturer's allergen declaration (Reg. (EU) 2023/1545) were used for limonene, linalyl acetate, linalool, citral, alpha-isomethyl ionone, carvone, geranyl acetate, geraniol, beta-caryophyllene and terpinolene; the declared total for pinene (1.05%) was split between beta-pinene (0.55%) and alpha-pinene (0.50%); the upper limit of the declared range was used for all other components. Section 3 shows the manufacturer's ranges.
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. **H302** Harmful if swallowed. **H304** May be fatal if swallowed and enters airways. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H318** Causes serious eye damage. **H319** Causes serious eye irritation. **H361** Suspected of damaging fertility or 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.