

SAFETY DATA SHEET

POMANDER — 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	POMANDER
UFI	8DTN-UCJ2-6001-90SJ
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

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 2 — H411

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



GHS09

Hazard pictograms	GHS07, GHS08, GHS09
Signal word	DANGER
Contains (hazard-determining)	Orange oil, 4-tert-Butylcyclohexyl acetate, Clove leaf oil (Eugenia caryophyllus), Cinnamal, Linalool, Hexyl salicylate, Eugenol, Citral, Grapefruit oil



Hazard statements	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. H411 Toxic to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains beta-Caryophyllene, Linalyl acetate, Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde), Floralozone (3-(4-ethylphenyl)-2,2-dimethylpropanal), Undec-10-enal. May produce an allergic reaction.
Precautionary statements	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. 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) $\geq 0.1\%$, 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	7.50 – 14.99	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
2-tert-Butylcyclohexyl acetate	CAS 88-41-5 EC 201-828-7 REACH 01-2119970713-33	5.00 – 10.00	Aquatic Chronic 2, H411
gamma-Undecalactone	CAS 104-67-6 EC 203-225-4 REACH 01-2119959333-34	2.50 – 5.00	Aquatic Chronic 3, H412
4-tert-Butylcyclohexyl acetate	CAS 32210-23-4 EC 250-954-9 REACH 01-2119976286-24	2.30 – 4.50	Skin Sens. 1B, H317
Clove leaf oil (Eugenia caryophyllus)	CAS 8000-34-8 EC 616-772-2	2.00 – 4.00	Eye Irrit. 2, H319; Skin Sens. 1, H317; Asp. Tox. 1, H304
Cinnamal	CAS 104-55-2 EC 203-213-9 REACH 01-2119935242-45	1.52 – 3.12	Acute Tox. 4 (dermal), H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1A, H317; Aquatic Chronic 3, H412
Linalool	CAS 78-70-6 EC 201-134-4 REACH 01-2119474016-42	1.50 – 3.01	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Hexyl salicylate	CAS 6259-76-3 EC 228-408-6	1.50 – 3.00	Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410



Name	Identifiers	%	Classification (EC) No 1272/2008
Ethyl maltol	CAS 4940-11-8 EC 225-582-5	1.50 – 3.00	Acute Tox. 4 (oral), H302
Dimethylbenzyl carbinyl acetate (DMBCA)	CAS 151-05-3 EC 205-781-3	1.50 – 2.90	Aquatic Chronic 3, H412
Eugenol	CAS 97-53-0 EC 202-589-1 REACH 01-2119971802-33	1.12 – 2.50	Acute Tox. 4 (oral), H302; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Citral	CAS 5392-40-5 EC 226-394-6 REACH 01-2119462829-23	1.10 – 2.15	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317
Grapefruit oil (Citrus paradisi)	CAS 8016-20-4 EC 600-007-4	1.00 – 2.00	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Chronic 2, H411
Allyl hexanoate	CAS 123-68-2 EC 204-642-4 REACH 01-2119983573-26	0.700 – 1.30	Acute Tox. 3 (oral), H301; Acute Tox. 3 (dermal), H311; Acute Tox. 3 (inhalation), H331; Aquatic Acute 1, H400; Aquatic Chronic 3, H412
Ethyl vanillin	CAS 121-32-4 EC 204-464-7	0.500 – 1.00	Eye Irrit. 2, H319
Isocamphyl cyclohexanol (mixed isomers)	CAS 66068-84-6 EC 266-100-3	0.400 – 0.800	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Allyl amyl glycolate	CAS 67634-00-8 EC 266-803-5	0.400 – 0.800	Acute Tox. 4 (oral), H302; Acute Tox. 2 (inhalation), H330; Aquatic Chronic 1, H410
beta-Caryophyllene	CAS 87-44-5 EC 201-746-1 REACH 01-2120745237-53	0.275 – 0.750	Asp. Tox. 1, H304; Skin Sens. 1B, H317
Linalyl acetate	CAS 115-95-7 EC 204-116-4 REACH 01-2119454789-19	0.400 – 0.710	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317
Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde)	CAS 68039-49-6 EC 268-264-1	0.300 – 0.500	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412
Floralozone (3-(4-ethylphenyl)-2,2-dimethylpropanal)	CAS 67634-15-5 EC 266-819-2 REACH 01-2120758796-34	0.200 – 0.400	Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1B, H317
Ethyl acetoacetate	CAS 141-97-9 EC 205-516-1	0.100 – 0.200	
Isopentyl acetate	CAS 123-92-2 EC 204-662-3 REACH 01-2119548408-32	0.100 – 0.200	Flam. Liq. 3, H226
Ethyl acetate	CAS 141-78-6 EC 205-500-4 REACH 01-2119475103-46	0.100 – 0.200	Flam. Liq. 1, H224; Eye Irrit. 2, H319; STOT SE 3, H336
Undec-10-enal	CAS 112-45-8 EC 203-973-1 REACH 01-2119990746-20	0.100 – 0.100	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317; Aquatic Chronic 3, H412
d-Limonene	CAS 5989-27-5 EC 205-341-0 REACH 01-2119493353-35	< 0.010	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 3, H412
alpha-Pinene	CAS 80-56-8 EC 201-291-9	< 0.010	Flam. Liq. 3, H226; Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
beta-Pinene	CAS 127-91-3 EC 204-872-5	< 0.010	Flam. Liq. 3, H226

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	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, inhalable fraction and vapour; dermal sensitiser); Ethyl acetate, CAS 141-78-6 — EU IOELV / Portugal: 734 mg/m ³ – 200 ppm (8 h TWA); 1468 mg/m ³ – 400 ppm (STEL); Isopentyl acetate, CAS 123-92-2 — EU IOELV / Portugal: 270 mg/m ³ – 50 ppm (8 h TWA); 540 mg/m ³ – 100 ppm (STEL); d-Limonene, CAS 5989-27-5 — Germany (TRGS 900) AGW 28 mg/m ³ / 5 ppm; Finland HTP 140 mg/m ³ / 25 ppm (8 h). 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 — warm spicy-citrus (orange, clove, cinnamon, spices)
Flash point	74 °C
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 ≈ 3,903 mg/kg)
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 2 — H411. Main contributors: hexyl salicylate, orange oil, 2-tert-Butylcyclohexyl acetate, allyl amyl glycolate and grapefruit 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, 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 3082	UN 3082	UN 3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXYL SALICYLATE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXYL SALICYLATE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXYL SALICYLATE)
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.
Seveso III	E2 — Hazardous to the aquatic environment, Chronic 2.
PCN / UFI	UFI 8DTN-UCJ2-6001-90SJ (manufacturer's notification).
IFRA (51st)	Candles (Cat. 12): no restriction (100%). Reed diffusers (Cat. 10A): max 15.50%. Room sprays (Cat. 10B): max 52.50%. Fine fragrance (Cat. 4): max 8.00%. See IFRA certificate.

SECTION 16: Other information

Revision	Version 1.0 — Eco Candle Project edition, 21/10/2026. Based on the manufacturer's SDS for the pure fragrance (version 1.0 of 15/10/2024, issued 15/10/2024), allergen declaration and IFRA 51st Amendment certificate (15/10/2024). The manufacturer declares component concentrations as ranges; the classification was calculated conservatively using the upper limit of each range (these coincide with the exact values of the manufacturer's IFRA certificate and allergen declaration, e.g. cinnamal 3.125%, citral 2.15%, hexyl salicylate 3%), which reproduces the manufacturer's classification of the pure fragrance (H304, H315, H317, H319, H411). The aspiration hazard (H304) results from orange oil, clove leaf oil, grapefruit oil and beta-caryophyllene (Asp. Tox. 1, together above 10%) and a kinematic viscosity of 20.5 mm ² /s; it does not apply to the diluted preparations. The acute toxicity estimate of the mixture (oral ≈ 3,900 mg/kg; inhalation, vapour ≈ 49 mg/L) does not lead to classification. The 10% preparation is consistent with the manufacturer's SDS for that dilution (H317, H412). For the 5% preparation the manufacturer classifies H317 only; with the upper limits of the declared ranges the CLP summation for long-term aquatic hazard (100 × Chronic 1 + 10 × Chronic 2 + Chronic 3) is about 34% (≥ 25%), and even with the exact values of the IFRA certificate (hexyl salicylate 3%, cinnamal 3.125%, grapefruit oil 2%) and the lower limits of the remaining ranges it is about 25%, at the classification limit. Eco Candle Project therefore retains the more protective classification H412 for the 5% preparation. The IFRA Category 10A limit (15.5%) does not allow a 25% reed-diffuser preparation; the diffuser SDS is therefore issued for 15% in Augeo Clean Multi.
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):

H224 Extremely 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. **H311** Toxic in contact with skin. **H312** Harmful in contact with skin. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H319** Causes



serious eye irritation. **H330** Fatal if inhaled. **H331** Toxic if inhaled. **H336** May cause drowsiness or dizziness. **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.