SAFETY DATA SHEET

CRANBERRY, ORANGE & CINNAMON — 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	CRANBERRY, ORANGE & CINNAMON
UFI	1QA0-K0Y4-500C-RMHD
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

Skin irritation	Skin Irrit. 2 — H315
Skin sensitisation	Skin Sens. 1 — H317
Aquatic hazard, chronic	Aquatic Chronic 2 — H411

Classification calculated by Eco Candle Project with the CLP calculation method (Regulation (EC) No 1272/2008), using the exact concentrations declared in the manufacturer's current SDS (version of 27/11/2025). It reproduces the manufacturer's classification of the pure fragrance (Skin Irrit. 2 — H315, Skin Sens. 1 — H317, Aquatic Chronic 2 — H411). The current formula is no longer classified for eye irritation (H319), which appeared in the previous SDS. The classifications of the diluted preparations were calculated by Eco Candle Project.

2.2 Label elements

GHS07

GHS09

Hazard pictograms	GHS07, GHS09
Signal word	WARNING
Contains (hazard-determining)	α-Methylcinnamaldehyde, Hexyl cinnamal, Tetramethyl acetyloctahydronaphthalenes (OTNE), 4-tert-Butylcyclohexyl acetate, Tetrahydrolinalool, Sweet orange oil, Eugenol, Nerol, p-Methoxybenzyl acetate, delta-Damascone (rose ketone), Isoeugenol

Hazard statements	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains Allyl cyclohexylpropionate, trans-Anethole, Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde), (E)-alpha-Damascone, Allyl phenoxyacetate. 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. P302+P352 IF ON SKIN: Wash with plenty of water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P391 Collect spillage. 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 (and substances with a workplace exposure limit) as declared by the manufacturer:

Name	Identifiers	%	Classification (EC) No 1272/2008
α-Methylcinnamaldehyde	CAS 101-39-3 EC 202-938-8 REACH 01-2119538797-21	10.40	Skin Sens. 1, H317
Hexyl cinnamal	CAS 101-86-0 EC 202-983-3 REACH 01-2119533092-50	6.30	Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Tetramethyl acetyloctahydronaphthalenes (OTNE)	CAS 54464-57-2 EC 259-174-3 REACH 01-2119489989-04	6.00	Skin Irrit. 2, H315; Aquatic Chronic 1, H410; Skin Sens. 1, H317
2-tert-Butylcyclohexyl acetate	CAS 88-41-5 EC 201-828-7 REACH 01-2119970713-33	4.30	Aquatic Chronic 2, H411
Hexamethylindanopyran (HHCB)	CAS 1222-05-5 EC 214-946-9	3.30	Aquatic Acute 1, H400; Aquatic Chronic 1, H410
4-tert-Butylcyclohexyl acetate	CAS 32210-23-4 EC 250-954-9 REACH 01-2119976286-24	3.00	Skin Sens. 1B, H317
Tetrahydrolinalool	CAS 78-69-3 EC 201-133-9 REACH 01-2119454788-21	2.70	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	2.30	Aquatic Chronic 3, H412
Sweet orange oil (Citrus aurantium dulcis)	CAS 8028-48-6 / 8008-57-9 EC 232-433-8 REACH 01-2119493353-35	2.00	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Skin Sens. 1, H317
Eugenol	CAS 97-53-0 EC 202-589-1 REACH 01-2119971802-33	1.90	Skin Sens. 1B, H317; Eye Irrit. 2, H319

Name	Identifiers	%	Classification (EC) No 1272/2008
Benzyl acetate	CAS 140-11-4 EC 205-399-7 REACH 01-2119638272-42	1.51	Aquatic Chronic 3, H412
Dimethylbenzylcarbinyl butyrate	CAS 10094-34-5 EC 233-221-8 REACH 01-2120742578-44	1.50	Skin Irrit. 2, H315; Aquatic Chronic 3, H412
Nerol	CAS 106-25-2 EC 203-378-7 REACH 01-2120051251-69	1.50	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319
Amyl salicylate	CAS 2050-08-0 EC 911-280-7 REACH 01-2119969444-27	1.50	Aquatic Chronic 2, H411
Tetrahydro-4-methyl-2-(2-methylpropyl)-2H-pyran-4-ol	CAS 63500-71-0 EC 405-040-6	1.40	Eye Irrit. 2, H319
Methyl anthranilate	CAS 134-20-3 EC 205-132-4 REACH 01-2120478941-44	1.30	Eye Irrit. 2, H319
p-Methoxybenzyl acetate	CAS 104-21-2 EC 203-185-8	1.20	Skin Sens. 1B, H317
2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)but-2-en-1-ol	CAS 28219-61-6 / 106185-75-5 EC 248-908-8 REACH 01-2119529224-45	1.00	Aquatic Chronic 1, H410 (M = 1); Eye Irrit. 2, H319
2,4-Dimethyl-4-phenyltetrahydrofuran	CAS 82461-14-1 EC 279-967-8	1.00	Aquatic Chronic 3, H412
beta-Ionone	CAS 79-77-6 / 14901-07-6 EC 201-224-3 REACH 01-2119449921-34	1.00	Aquatic Chronic 2, H411
Allyl cyclohexylpropionate	CAS 2705-87-5 EC 220-292-5 REACH 01-2119976355-27	0.900	Acute Tox. 4 (oral), H302; Acute Tox. 4 (dermal), H312; Skin Sens. 1B, H317; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410; Aquatic Chronic 2, H411
delta-Damascone (rose ketone)	CAS 71048-82-3 / 57378-68-4 EC 260-709-8 REACH 01-2119535122-53	0.800	Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 0); Skin Sens. 1A, H317
Allyl cyclohexyloxyacetate	CAS 68901-15-5 EC 272-657-3 REACH 01-2120770514-54	0.700	Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410
4-Methyl-3-decen-5-ol	CAS 81782-77-6 EC 279-815-0 REACH 01-2119983528-21	0.700	Aquatic Acute 1, H400 (M = 1)
trans-Anethole	CAS 4180-23-8 EC 224-052-0 REACH 01-2119979097-22	0.500	Aquatic Chronic 3, H412; Skin Sens. 1, H317
Benzyl benzoate	CAS 120-51-4 EC 204-402-9 REACH 01-2119455540-44	0.380	Acute Tox. 4 (oral), H302; Aquatic Chronic 2, H411
Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde)	CAS 68039-49-6 EC 268-264-1 REACH 01-2119982384-28	0.300	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 2, H411
Isoeugenol	CAS 97-54-1 EC 202-590-7 REACH 01-2120223682-61	0.300	Skin Sens. 1A, H317 (SCL ≥ 0.01%)
Allyl cyclohexyloxyacetate	CAS 80657-64-3	0.200	Skin Irrit. 2, H315; Aquatic Chronic 2, H411

Name	Identifiers	%	Classification (EC) No 1272/2008
Methyl ionone	CAS 1335-46-2 / 127-51-5 EC 204-846-3 REACH 01-2119471851-35	0.130	Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Eye Irrit. 2, H319
(E)-alpha-Damascone	CAS 24720-09-0 EC 246-430-4	0.100	Acute Tox. 4 (oral), H302; Skin Sens. 1B, H317; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1)
Allyl phenoxyacetate	CAS 7493-74-5 EC 231-335-2	0.100	Acute Tox. 4 (oral), H302; Skin Sens. 1B, H317; Aquatic Acute 1, H400 (M = 1)
Ethyl methylphenylglycidate (strawberry aldehyde)	CAS 77-83-8 EC 201-061-8 REACH 01-2119967770-28	0.060	Skin Sens. 1B, H317; Aquatic Chronic 2, H411
d-Limonene (orange terpenes)	CAS 68647-72-3 / 8028-48-6 EC 232-433-8 REACH 01-2119493353-35	0.010	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; 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.
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: Benzyl acetate, CAS 140-11-4 — Portugal: 10 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	Yellow
Odour	Characteristic — fruity-spicy (cranberry, orange, apple, cinnamon, gardenia, jasmine, cedarwood, sandalwood)
Flash point	> 61 °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 ≈ 16,779 mg/kg)
Skin corrosion/irritation	Skin Irrit. 2 — H315
Eye irritation	Not classified
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: tetramethyl acetyloctahydronaphthalenes (OTNE), hexamethylindanopyran (HHCB), 2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)but-2-en-1-ol, allyl cyclohexylpropionate and allyl cyclohexyloxyacetate.
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, 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 CINNAMAL, TETRAMETHYL ACE TYLOCTAHYDRONAPHTHALEN ES)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXYL CINNAMAL, TETRAMETHYL ACE TYLOCTAHYDRONAPHTHALEN ES)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXYL CINNAMAL, TETRAMETHYL ACE TYLOCTAHYDRONAPHTHALEN ES)
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 1QA0-K0Y4-500C-RMHD (manufacturer's notification).
IFRA (51st)	Candles (Cat. 12): no restriction (100%). Reed diffusers (Cat. 10A): max 29.16%. Room sprays (Cat. 10B): max 29.16%. Fine fragrance (Cat. 4): max 4.77%. 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 1 of 27/11/2025, issued 19/01/2024), allergen declaration and IFRA 51st Amendment certificate (19/01/2024).
Abbreviations	ATE = Acute Toxicity Estimate; UFI = Unique Formula Identifier; PCN = Poison Centre Notification; SCL = specific concentration limit; OTNE = tetramethyl acetyloctahydronaphthalenes; 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. **H312** Harmful in contact with skin. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H319** Causes serious eye irritation. **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.