SAFETY DATA SHEET

BLACK RASPBERRY & PEPPERCORN — 25% preparation in Augeo Clean Multi
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 25% of BLACK RASPBERRY & PEPPERCORN fragrance and 75% of Augeo Clean Multi. 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), including Augeo Clean Multi, which is classified Eye Irrit. 2 (H319).

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product form	Mixture
Trade name	Preparation with BLACK RASPBERRY & PEPPERCORN at 25%
UFI (pure fragrance)	Not stated in the manufacturer's documents (requested)
Type of product	Perfumes, fragrances
Base	Augeo Clean Multi (2,2-dimethyl-1,3-dioxolane-4-methanol, CAS 100-79-8) — 75%

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Reed-diffuser liquid in Augeo Clean Multi (25% fragrance complies with the IFRA 10A limit of 73.36%).
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 CLASSIFIED AS HAZARDOUS — H317, H319, H411
Aquatic hazard, chronic	Aquatic Chronic 2 — H411. 10 × M × Σ Chronic 1 + Σ Chronic 2 = 115.7% (≥ 25% → Chronic 2); 100 × M × Σ Chronic 1 + 10 × Σ Chronic 2 + Σ Chronic 3 = 1,157.6%.
Skin sensitisation	Skin Sens. 1 — H317. Hexyl cinnamal 4.22% and acetyl cedrene 3.42% are each ≥ the concentration limit (1% generic).
Eye irritation	Eye Irrit. 2 — H319, due to Augeo Clean Multi (75%, Eye Irrit. 2). Σ Eye Irrit. 2 (≥ 1%) ≈ 75.0% (threshold: 10%).
Skin irritation	Not classified — Σ Skin Irrit. 2 (≥ 1%) = 0.00% (threshold: 10%).
Aspiration hazard	Not classified — Σ Asp. Tox. 1 = 0.12% (threshold: 10%).
Acute toxicity (oral)	Not classified — ATE mix ≈ 38,905 mg/kg (threshold: 2000 mg/kg).
Notes	The pure fragrance (100%) is classified H317, H400 and H410 (WARNING). See Annex — Calculation record.

2.2 Label elements

GHS07

GHS09

Hazard pictograms	GHS07, GHS09
Signal word	Warning
Contains (hazard-determining)	Hexyl cinnamal, Acetyl cedrene
Hazard statements	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 Geranyl acetate, Floralozone (3-(4-ethylphenyl)-2,2-dimethylpropanal), Linalool, Piperonal (heliotropin), Pink pepper oil, delta-Damascone (rose ketone). 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. 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. 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. 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 — concentrations refer to the FINAL mixture at 25% (manufacturer's values × 0.25):

Name	Identifiers	%	Classification (EC) No 1272/2008
Hexamethylindanopyran (HHCB)	CAS 1222-05-5 EC 214-946-9	7.42	Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Hexyl cinnamal	CAS 101-86-0 EC 202-983-3 REACH 01-2119533092-50	4.22	Skin Sens. 1B, H317; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 2, H411
Acetyl cedrene	CAS 32388-55-9 EC 251-020-3 REACH 01-2119969651-28	3.42	Skin Sens. 1B, H317; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1)
2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)but-2-en-1-ol	CAS 28219-61-6 EC 248-908-8 REACH 01-2119529224-45	0.875	Eye Irrit. 2, H319; Aquatic Chronic 2, H411
Geranyl acetate	CAS 105-87-3 EC 203-341-5 REACH 01-2119973480-35	0.625	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412

Name	Identifiers	%	Classification (EC) No 1272/2008
Tetrahydro-4-methyl-2-(2-methylpropyl)-2H-pyran-4-ol	CAS 63500-71-0 EC 405-040-6 REACH 01-2119638272-42	0.403	Eye Irrit. 2, H319
Floralozone (3-(4-ethylphenyl)-2,2-dimethylpropanal)	CAS 67634-15-5 / 67634-14-4 EC 266-819-2 REACH 01-2120758796-34	0.325	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 2, H411
Linalool	CAS 78-70-6 EC 201-134-4	0.278	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Benzyl benzoate	CAS 120-51-4 EC 204-402-9 REACH 01-2119949300-45	0.258	Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Piperonal (heliotropin)	CAS 120-57-0 EC 204-409-7 REACH 01-2119983608-21	0.147	Skin Sens. 1B, H317
Pink pepper oil (Schinus molle)	CAS 68917-52-2 / 94334-31-3 EC 305-104-2	0.100	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Repr. 2, H361; Asp. Tox. 1, H304; Aquatic Chronic 2, H411
alpha-Isomethyl ionone	CAS 127-51-5 EC 204-846-3 REACH 01-2119471851-35	0.087	Skin Sens. 1B, H317; Aquatic Chronic 2, H411
Cyclamen aldehyde	CAS 103-95-7 EC 203-161-7	0.077	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412
delta-Damascone (rose ketone)	CAS 57378-68-4 / 71048-82-3 EC 260-709-8 REACH 01-2119535122-53	0.075	Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Ethyl methylphenylglycidate (strawberry aldehyde)	CAS 77-83-8 EC 201-061-8 REACH 01-2119967770-28	0.040	Skin Sens. 1B, H317; Aquatic Chronic 2, H411
beta-Caryophyllene	CAS 87-44-5 EC 201-746-1 REACH 01-2120745237-53	0.025	Skin Sens. 1B, H317; Asp. Tox. 1, H304; Aquatic Chronic 4, H413
Cedrol methyl ether (cedramber)	CAS 19870-74-7 / 67874-81-1 EC 243-384-7 REACH 01-2120228335-61	0.025	Skin Sens. 1B, H317; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1)
Pentadecan-15-olide	CAS 106-02-5 EC 203-354-6 REACH 01-2119987323-31	0.025	Skin Sens. 1B, H317; Aquatic Chronic 2, H411
4,4A,5,9B-Tetrahydroindeno [1,2-D]-1,3-Dioxin	CAS 18096-62-3 EC 241-997-4 REACH 01-2120760170-66	0.025	Repr. 2, H361
Allyl cyclohexyloxyacetate	CAS 68901-15-5 EC 272-657-3 REACH 01-2120770514-54	0.025	Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1)
Augeo Clean Multi	CAS 100-79-8 EC 202-888-8	75	Eye Irrit. 2, H319

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. 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	No occupational exposure limits for the components. 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 — raspberry, pepper, rose
Flash point	Not determined for the preparation; pure fragrance > 60 °C; Augeo Clean Multi 91 °C
Density	Augeo Clean Multi 1.069 g/cm³; mixture not determined
Solubility	Augeo is miscible with water and alcohols

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 ≈ 38,905 mg/kg)
Skin corrosion/irritation	Not classified
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: hexamethylindanopyran (HHCB), acetyl cedrene, hexyl cinnamal, 2-Ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)but-2-en-1-ol and delta-Damascone (rose ketone).
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. (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylcyclopenta(g)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylcyclopenta(g)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylcyclopenta(g)
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.
PCN / UFI	Classified for health hazards (H317, H319): a PCN with its own UFI is required if this preparation is placed on the market; the fragrance UFI can be declared as a component (MiM).
IFRA (51st)	Reed diffusers (Cat. 10A): max 73.36% fragrance — this 25% preparation complies if used neat. Room sprays (Cat. 10B): no restriction (100%) fragrance.

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 of 13/10/2023, issued 19/01/2024), allergen declaration and IFRA 51st Amendment certificate (19/01/2024). Classification of the 25% 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. **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. **H413** May cause long lasting harmful effects to aquatic life.

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 (25%)

Hazard class	Fragrance 100%	Calculation at 25% / threshold	Result at 25%
Acute toxicity (oral)	Not classified (ATE 9,726)	ATE ≈ 38,905 mg/kg / ≤ 2000	Not classified
Aspiration hazard	Not classified	Σ = 0.12% / ≥ 10%	Not classified
Skin irritation	Not classified	Σ = 0.00% / ≥ 10%	Not classified
Eye irritation	Not classified	Σ = 75.0% / ≥ 10%	Eye Irrit. 2 — H319
Skin sensitisation	Skin Sens. 1	hexyl cinnamal 4.22% / ≥ 1%	Skin Sens. 1 — H317
Aquatic acute	Aquatic Acute 1	Σ M × A1 = 15.8% / ≥ 25%	Not classified
Aquatic chronic	Aquatic Chronic 1	C2: 115.7%; C3: 1,157.6% / ≥ 25%	Aquatic Chronic 2 — H411
Physical hazards	Not classified (FP > 60 °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; Augeo Clean Multi adds H319.