

SAFETY DATA SHEET

BAIES — 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 BAIES 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 BAIES at 25%
UFI (pure fragrance)	A3RX-28D1-700U-HSY1
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 72.50%).
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

Result	MIXTURE CLASSIFIED AS HAZARDOUS — H319, H411
Aquatic hazard, chronic	Aquatic Chronic 2 — H411. $10 \times M \times \Sigma \text{Chronic 1} + \Sigma \text{Chronic 2} = 78.2\% (\geq 25\% \rightarrow \text{Chronic 2})$; $100 \times M \times \Sigma \text{Chronic 1} + 10 \times \Sigma \text{Chronic 2} + \Sigma \text{Chronic 3} = 783.5\%$.
Skin sensitisation	Not classified — highest sensitiser geraniol $0.47\% < 1\%$. EUH208 applies ($\geq 1/10$ of the limit).
Eye irritation	Eye Irrit. 2 — H319, due to Augeo Clean Multi (75%, Eye Irrit. 2). $\Sigma \text{Eye Irrit. 2} (\geq 1\%) \approx 81.0\%$ (threshold: 10%).
Skin irritation	Not classified — $\Sigma \text{Skin Irrit. 2} (\geq 1\%) = 1.75\%$ (threshold: 10%).
Aspiration hazard	Not classified — $\Sigma \text{Asp. Tox. 1} = 0.57\%$ (threshold: 10%).
Acute toxicity (oral)	Not classified — ATE mix $\approx 36,272 \text{ mg/kg}$ (threshold: 2000 mg/kg).
Acute toxicity (inhalation)	Not classified — ATE mix (dust/mist) $\approx 1,200.0 \text{ mg/L}$ (Category 4: $\leq 5 \text{ mg/L}$).
Notes	The pure fragrance (100%) is classified H315, H317, H318, H400 and H410 (DANGER). See Annex — Calculation record.

2.2 Label elements



GHS07



GHS09

Hazard pictograms	GHS07, GHS09
Signal word	Warning
Hazard statements	H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains Geraniol, Geranium oil (Egypt), Nerol, Citronellol, Lavandin abrialis oil, Cajeput oil, Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde), Hydroxycitronellal. 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. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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) $\geq 0.1\%$, 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 — concentrations refer to the FINAL mixture at 25% (manufacturer's values $\times 0.25$):

Name	Identifiers	%	Classification (EC) No 1272/2008
Dipropylene glycol monomethyl ether (solvent)	CAS 34590-94-8 EC 252-104-2	6.08 – 12.12	
2-Phenylethanol	CAS 60-12-8 EC 200-456-2 REACH 01-2119963921-31	2.12 – 4.25	Acute Tox. 4 (oral), H302; Eye Irrit. 2, H319
Citronellyl acetate	CAS 150-84-5 EC 205-775-0	0.875 – 1.75	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 2, H411
Oxacycloheptadec-10-en-2-one	CAS 28645-51-4 EC 249-120-7	0.375 – 0.750	Aquatic Acute 1, H400 (M = 10); Aquatic Chronic 1, H410 (M = 10)
Geraniol	CAS 106-24-1 EC 203-377-1 REACH 01-2119552430-49	0.175 – 0.472	Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1, H317
2,2,5-Trimethyl-5-pentylcyclopentanone	CAS 65443-14-3 EC 265-779-3	0.200 – 0.375	Aquatic Chronic 2, H411
Geranium oil (Egypt)	CAS 8000-46-2 EC 290-140-0 REACH 01-2120769423-50	0.200 – 0.375	Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Chronic 3, H412
Nerol	CAS 106-25-2 EC 203-378-7	0.105 – 0.338	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317



Name	Identifiers	%	Classification (EC) No 1272/2008
Citronellol	CAS 106-22-9 EC 203-375-0 REACH 01-2119453995-23	0.136 – 0.284	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Lavandin abrialis oil	CAS 8022-15-9 EC 617-009-6	0.125 – 0.250	Eye Irrit. 2, H319; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Chronic 3, H412
Cajeput oil	CAS 8008-98-8 EC 287-316-4	0.125 – 0.250	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Chronic 2, H411
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	CAS 4707-47-5 EC 225-193-0 REACH 01-2120762759-36	0.125 – 0.250	Aquatic Chronic 3, H412
Camphor	CAS 76-22-2 EC 200-945-0	0.075 – 0.125	Flam. Sol. 2, H228; Acute Tox. 4 (oral), H302; Acute Tox. 4 (inhalation), H332; Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 2, H371; Aquatic Chronic 2, H411
Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde)	CAS 68039-49-6 EC 268-264-1	0.050 – 0.116	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412
Hydroxycitronellal	CAS 107-75-5 EC 203-518-7 REACH 01-2119973482-31	0.050 – 0.100	Eye Irrit. 2, H319; Skin Sens. 1B, H317
Elemi oil	CAS 8023-89-0	0.050 – 0.075	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Dynascone	CAS 56973-85-4 EC 260-486-7	0.025 – 0.050	Skin Sens. 1, H317
Rose oxide	CAS 16409-43-1 EC 240-457-5	0.025 – 0.050	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Repr. 2, H361
Phenylacetaldehyde	CAS 122-78-1 EC 204-574-5 REACH 01-2120766865-37	0.025 – 0.050	Acute Tox. 4 (oral), H302; Skin Corr. 1B, H314; Eye Dam. 1, H318; Skin Sens. 1B, H317; Aquatic Chronic 3, H412
Citral	CAS 5392-40-5 EC 226-394-6 REACH 01-2119462829-23	0.004 – 0.020	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317
1-Decanol	CAS 112-30-1 EC 203-956-9	< 0.001	Aquatic Chronic 3, H412
Hexanal	CAS 66-25-1 EC 200-624-5	< 0.0003	Flam. Liq. 3, H226
Hexanoic acid	CAS 142-62-1 EC 205-550-7	< 0.0000	Eye Dam. 1, H318; Skin Corr. 1C, H314
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.



Medical attention	Treat symptomatically.
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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: Dipropylene glycol monomethyl ether, CAS 34590-94-8 — EU IOEL 308 mg/m ³ / 50 ppm (8 h TWA), skin notation; Portugal: 50 ppm (8 h TWA), 150 ppm (STEL); Camphor, CAS 76-22-2 — Portugal: 2 ppm (8 h TWA); 3 ppm (STEL); 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
Odour	Characteristic — blackcurrant, berries, rose
Flash point	Not determined for the preparation; pure fragrance 82 °C (closed cup); Augeo Clean Multi 91 °C
Density	Augeo Clean Multi 1.069 g/cm ³ ; 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 ≈ 36,272 mg/kg)
Acute toxicity (inhalation)	Not classified (ATE ≈ 1,200.0 mg/L)
Skin corrosion/irritation	Not classified
Eye irritation	Eye Irrit. 2 — H319
Skin sensitisation	Not classified (EUH208)
Aspiration hazard	Not classified
Mutagenicity, carcinogenicity, reproductive toxicity, STOT	Not classified

SECTION 12: Ecological information

12.1 Toxicity	Aquatic Chronic 2 — H411. Main contributors: oxacycloheptadec-10-en-2-one, citronellyl acetate, elemi oil, 2,2,5-Trimethyl-5-pentylcyclopentanone and cajuput 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, 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. (OXACYCLOHEPTADEC-10-EN-2-ONE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (OXACYCLOHEPTADEC-10-EN-2-ONE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (OXACYCLOHEPTADEC-10-EN-2-ONE)
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 (H319): a PCN with its own UFI is required if this preparation is placed on the market; the fragrance UFI (A3RX-28D1-700U-HSY1) can be declared as a component (MiM).



IFRA (50th)	Reed diffusers (Cat. 10A): max 72.50% fragrance — this 25% preparation complies if used neat. Room sprays (Cat. 10B): no restriction (100%) fragrance.
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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 (revision of 15/02/2023, issued 15/02/2023), allergen declaration and IFRA 50th Amendment certificate (03/11/2022). The manufacturer declares component concentrations as ranges; the classification was calculated conservatively using the upper limit of each range, which reproduces the manufacturer's classification of the pure fragrance (H315, H317, H318, H400, H410). The manufacturer's allergen declaration and IFRA certificate give geraniol at 0.2735%, below the range in the SDS (0.7–1.89%); the SDS value (upper limit) was kept for classification because it is the one that reproduces the manufacturer's Eye Dam. 1 — H318. The manufacturer has not issued SDSs for diluted preparations — the classifications of the 5%, 10% and 25% preparations were calculated by Eco Candle Project with the CLP calculation method. 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; SVHC = Substance of Very High Concern.

Full text of H-statements (Sections 2 and 3):

H226 Flammable liquid and vapour. **H228** Flammable solid. **H302** Harmful if swallowed. **H304** May be fatal if swallowed and enters airways. **H314** Causes severe skin burns and eye damage. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H318** Causes serious eye damage. **H319** Causes serious eye irritation. **H332** Harmful if inhaled. **H361** Suspected of damaging fertility or the unborn child. **H371** May cause damage to organs. **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. 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 9,068)	$ATE \approx 36,272 \text{ mg/kg} / \leq 2000$	Not classified
Acute toxicity (inhalation)	Not classified (ATE 300.00 mg/L)	$ATE \approx 1,200.0 \text{ mg/L} / \leq 5$	Not classified
Aspiration hazard	Not classified	$\Sigma = 0.57\% / \geq 10\%$	Not classified
Skin irritation	Skin Irrit. 2	$\Sigma = 1.75\% / \geq 10\%$	Not classified
Eye irritation	Eye Dam. 1	$\Sigma = 81.0\% / \geq 10\%$	Eye Irrit. 2 — H319
Skin sensitisation	Skin Sens. 1	geraniol 0.47% / $\geq 1\%$	Not classified (EUH208)
Aquatic acute	Aquatic Acute 1	$\Sigma M \times A1 = 7.6\% / \geq 25\%$	Not classified
Aquatic chronic	Aquatic Chronic 1	C2: 78.2%; C3: 783.5% / $\geq 25\%$	Aquatic Chronic 2 — H411
Physical hazards	Not classified (FP 82 °C)	$FP > 60 \text{ °C}$	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.