



SAFETY DATA SHEET

GOLDEN TWILIGHT — 5% preparation in non-hazardous base

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 5% of GOLDEN TWILIGHT fragrance and 95% of non-hazardous base. 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).

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

1.1 Product identifier

Product form	Mixture
Trade name	Preparation with GOLDEN TWILIGHT at 5%
UFI (pure fragrance)	QXWX-G8A1-200H-G0KE
Type of product	Perfumes, fragrances
Base	Non-hazardous, non-classified base — 95%

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

Identified uses	Air-care products in a non-hazardous base: reed diffusers (within the IFRA 10A limit of 37.50%), room sprays and other non-cosmetic applications.
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 — H412
Aquatic hazard, chronic	Aquatic Chronic 3 — H412. $10 \times M \times \Sigma \text{Chronic 1} + \Sigma \text{Chronic 2} = 5.5\%$ ($\geq 25\% \rightarrow \text{Chronic 2}$); $100 \times M \times \Sigma \text{Chronic 1} + 10 \times \Sigma \text{Chronic 2} + \Sigma \text{Chronic 3} = 54.7\%$.
Skin sensitisation	Not classified — highest sensitiser tetramethyl acetyloctahydronaphthalenes (OTNE) $0.32\% < 1\%$. EUH208 applies ($\geq 1/10$ of the limit).
Eye irritation	Not classified — $\Sigma \text{Eye Irrit. 2} (\geq 1\%) = 0.00\%$ (threshold: 10%).
Skin irritation	Not classified — $\Sigma \text{Skin Irrit. 2} (\geq 1\%) = 0.00\%$ (threshold: 10%).
Aspiration hazard	Not classified — $\Sigma \text{Asp. Tox. 1} = 0.01\%$ (threshold: 10%).
Acute toxicity (oral)	Not classified — ATE mix $\approx 887,600 \text{ mg/kg}$ (threshold: 2000 mg/kg).
Notes	The pure fragrance (100%) is classified H315, H317 and H411 (WARNING). See Annex — Calculation record.

2.2 Label elements

Hazard pictograms	None
Signal word	None (no pictogram required)



Hazard statements	H412 Harmful to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains Tetramethyl acetyloctahydronaphthalenes (OTNE), Linalool. 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. 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 5% (manufacturer's values $\times 0.05$):

Name	Identifiers	%	Classification (EC) No 1272/2008
Tetramethyl acetyloctahydronaphthalenes (OTNE)	CAS 54464-57-2 EC 259-174-3 REACH 01-2119489989-04	0.160 – 0.320	Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 1, H410
Hexamethylindanopyran (HHCB)	CAS 1222-05-5 EC 214-946-9 REACH 01-2119488227-29	0.085 – 0.168	Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Ethyl vanillin	CAS 121-32-4 EC 204-464-7	0.065 – 0.130	Eye Irrit. 2, H319
Linalool	CAS 78-70-6 EC 201-134-4 REACH 01-2119474016-42	0.055 – 0.110	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Isocamphyl cyclohexanol (mixed isomers)	CAS 66068-84-6 EC 266-100-3	0.035 – 0.065	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Linalyl acetate	CAS 115-95-7 EC 204-116-4 REACH 01-2119454789-19	0.030 – 0.062	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317
Piperonal (heliotropin)	CAS 120-57-0 EC 204-409-7 REACH 01-2119983608-21	0.030 – 0.055	Skin Sens. 1B, H317
Ethyl maltol	CAS 4940-11-8 EC 225-582-5	0.025 – 0.050	Acute Tox. 4 (oral), H302
Lemon oil (Citrus limon)	CAS 8008-56-8 EC 284-515-8; 616-925-3	0.020 – 0.038	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Repr. 2, H361; Aquatic Chronic 2, H411
Acetyl hexamethyl tetralin (AHTN)	CAS 21145-77-7 EC 244-240-6	0.020 – 0.035	Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Benzyl acetate	CAS 140-11-4 EC 205-399-7 REACH 01-2119638272-42	0.015 – 0.025	Aquatic Chronic 3, H412
Eugenol	CAS 97-53-0 EC 202-589-1 REACH 01-2119971802-33	0.010 – 0.015	Acute Tox. 4 (oral), H302; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Cedrol methyl ether (cedramber)	CAS 19870-74-7 EC 243-384-7	0.005 – 0.013	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317



Name	Identifiers	%	Classification (EC) No 1272/2008
Geranyl acetate	CAS 105-87-3 EC 203-341-5 REACH 01-2119973480-35	0.005 – 0.010	Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412
Clary sage oil (Salvia sclarea)	CAS 8016-63-5 EC 283-911-8;616-984-5	0.005 – 0.007	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412
Chinese cedarwood oil (Cupressus funebris)	CAS 85085-29-6 EC 285-360-9	0.005 – 0.007	Skin Corr. 1, H314; Skin Sens. 1, H317; Asp. Tox. 1, H304; Aquatic Chronic 2, H411
Cyclamen aldehyde	CAS 103-95-7 EC 203-161-7 REACH 01-2119970582-32	0.005	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 2, H411
Dihydro pentamethylindanone	CAS 33704-61-9 EC 251-649-3 REACH 01-2119977131-40	0.005	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317; STOT RE 2, H373; Aquatic Chronic 2, H411
Inert base	—	95	Not classified

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	May produce an allergic reaction in sensitised persons.
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
Odour	Characteristic — plum, rose, patchouli
Flash point	Not determined for the preparation; pure fragrance > 93 °C (closed cup)
Density	Depends on the base
Solubility	Insoluble in water

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 $\approx 887,600$ mg/kg)
Skin corrosion/irritation	Not classified
Eye irritation	Not classified
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 3 — H412. Main contributors: tetramethyl acetyloctahydronaphthalenes (OTNE), hexamethylindanopyran (HHCB), acetyl hexamethyl tetralin (AHTN), cedrol methyl ether (cedramber) and isocamphyl cyclohexanol (mixed isomers).
12.2-12.7	No data for the mixture. No PBT/vPvB or endocrine-disrupting substances $\geq 0.1\%$. 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)	HP14
Contaminated packaging	Empty completely; do not reuse; dispose of as unused product.

**SECTION 14: Transport information**

Not classified as dangerous goods (ADR/RID/IMDG/IATA) at 5% — Aquatic Chronic 3 is not regulated for transport. The pure fragrance (100%) is UN 3082, Class 9, PG III.

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.
PCN / UFI	Not required — the mixture is classified only for an environmental hazard.
IFRA (50th)	Reed diffusers (Cat. 10A): max 37.50% — 5% complies. Room sprays (Cat. 10B): max 1.00% — does NOT comply.

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 (15/02/2023). The manufacturer declares component concentrations as ranges; the classification was calculated conservatively using the upper limit of each range (these upper limits coincide with the exact values in the manufacturer's allergen declaration and IFRA certificate), which reproduces the manufacturer's classification of the pure fragrance (H315, H317, H411). 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 5% preparation calculated by Eco Candle Project.
Abbreviations	ATE = Acute Toxicity Estimate; UFI = Unique Formula Identifier; PCN = Poison Centre Notification; SCL = specific concentration limit; OTNE = tetramethyl acetyloctahydronaphthalenes; HHCB = hexamethylindanopyran; AHTN = 7-acetyl-1,1,3,4,4,6-hexamethyltetralin; 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. **H314** Causes severe skin burns and eye damage. **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. **H373** May cause damage to organs through prolonged or repeated exposure. **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 (5%)

Hazard class	Fragrance 100%	Calculation at 5% / threshold	Result at 5%
Acute toxicity (oral)	Not classified (ATE 44,380)	ATE $\approx 887,600$ mg/kg / ≤ 2000	Not classified
Aspiration hazard	Not classified	$\Sigma = 0.01\%$ / $\geq 10\%$	Not classified
Skin irritation	Skin Irrit. 2	$\Sigma = 0.00\%$ / $\geq 10\%$	Not classified
Eye irritation	Not classified	$\Sigma = 0.0\%$ / $\geq 10\%$	Not classified
Skin sensitisation	Skin Sens. 1	tetramethyl acetyloctahydronaphthalenes (OTNE) 0.32% / $\geq 1\%$	Not classified (EUH208)
Aquatic chronic	Aquatic Chronic 2	C2: 5.5%; C3: 54.7% / $\geq 25\%$	Aquatic Chronic 3 — H412
Physical hazards	Not classified (FP > 93 °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.