



SAFETY DATA SHEET

CREAMY MARSHMALLOW & STAR ANISE — 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 CREAMY MARSHMALLOW & STAR ANISE 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 CREAMY MARSHMALLOW & STAR ANISE at 5%
UFI (pure fragrance)	C9PT-R9VT-T002-FQQN
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 0.50%), 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 NOT CLASSIFIED AS HAZARDOUS (EUH208 applies)
Aquatic hazard, chronic	Not classified — $10 \times M \times \Sigma \text{Chronic 1} + \Sigma \text{Chronic 2} = 0.1\%$ ($\geq 25\% \rightarrow \text{Chronic 2}$); $100 \times M \times \Sigma \text{Chronic 1} + 10 \times \Sigma \text{Chronic 2} + \Sigma \text{Chronic 3} = 1.1\%$.
Skin sensitisation	Not classified — highest sensitiser 4-tert-Butylcyclohexyl acetate $0.31\% < 1\%$. 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 — $\Sigma \text{Asp. Tox. 1} = 0.00\%$ (threshold: 10%).
Acute toxicity (oral)	Not classified — ATE mix $\approx 88,652 \text{ mg/kg}$ (threshold: 2000 mg/kg).
Acute toxicity (inhalation)	Not classified — ATE mix (dust/mist) $\approx 356.0 \text{ mg/L}$ (Category 4: $\leq 5 \text{ mg/L}$).
Notes	The pure fragrance (100%) is classified H315, H317 and H319 (WARNING). See Annex — Calculation record.



2.2 Label elements

Hazard pictograms	None
Signal word	None (no pictogram required)
Hazard statements	None
Supplemental information	EUH208 Contains 4-tert-Butylcyclohexyl acetate, Cinnamal. 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. 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
4-tert-Butylcyclohexyl acetate	CAS 32210-23-4 EC 250-954-9 REACH 01-2119976286-24	0.155 – 0.312	Skin Sens. 1B, H317
Cinnamal	CAS 104-55-2 EC 203-213-9 REACH 01-2119935242-45	0.155 – 0.308	Acute Tox. 4 (dermal), H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412
Benzyl alcohol	CAS 100-51-6 EC 202-859-9 REACH 01-2119492630-38	0.125 – 0.250	Acute Tox. 4 (oral), H302; Acute Tox. 4 (inhalation), H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319
Vanillin	CAS 121-33-5 EC 204-465-2 REACH 01-2119516040-60	0.035 – 0.070	Eye Irrit. 2, H319
Coumarin	CAS 91-64-5 EC 202-086-7 REACH 01-2119943756-26	0.025 – 0.047	Acute Tox. 3 (oral), H301; Acute Tox. 3 (dermal), H311; Acute Tox. 3 (inhalation), H331; Skin Sens. 1, H317; Aquatic Chronic 2, H411
Benzyl benzoate	CAS 120-51-4 EC 204-402-9 REACH 01-2119976371-33	0.015 – 0.027	Acute Tox. 4 (oral), H302; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Ethyl lactate	CAS 97-64-3 EC 202-598-0	0.015 – 0.025	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H335
Propane-1,2-diol (propylene glycol)	CAS 57-55-6 EC 200-338-0 REACH 01-2119456809-23	0.005 – 0.013	
Ethyl heptanoate	CAS 106-30-9 EC 203-382-9	0.005 – 0.013	Flam. Liq. 3, H226; Aquatic Acute 1, H400; Aquatic Chronic 3, H412
Furfural	CAS 98-01-1 EC 202-627-7	0.005 – 0.010	Flam. Liq. 3, H226; Acute Tox. 3 (oral), H301; Acute Tox. 4 (dermal), H312; Acute Tox. 3 (inhalation), H331; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Carc. 2, H351; STOT SE 3, H335; Aquatic Chronic 3, H412
Isobutyl acetate	CAS 110-19-0 EC 203-745-1	0.005 – 0.010	Flam. Liq. 2, H225; STOT SE 3, H336



Name	Identifiers	%	Classification (EC) No 1272/2008
Furaneol (4-hydroxy-2,5-dimethyl-3(2H)-furanone)	CAS 3658-77-3 EC 222-908-8	< 0.002	Acute Tox. 4 (oral), H302; Skin Corr. 1B, H314; Eye Irrit. 2, H319; Skin Sens. 1A, H317
beta-Pinene	CAS 127-91-3 EC 204-872-5	< 0.0001	Flam. Liq. 3, H226
Dipropylene glycol monomethyl ether (solvent)	CAS 34590-94-8 EC 252-104-2	< 0.0001	
alpha-Pinene	CAS 80-56-8 EC 201-291-9	< 0.0000	Flam. Liq. 3, H226
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: Furfural, CAS 98-01-1 — Portugal: 2 ppm (8 h TWA), skin; Isobutyl acetate, CAS 110-19-0 — Portugal: 241 mg/m ³ / 50 ppm (8 h TWA, indicative). 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 — marshmallow, star anise, cinnamon
Flash point	Not determined for the preparation; pure fragrance 96 °C
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 ≈ 88,652 mg/kg)
Acute toxicity (inhalation)	Not classified (ATE ≈ 356.0 mg/L)
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	. Main contributors: coumarin, benzyl benzoate and ethyl heptanoate.
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)	
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% — the preparation is not classified as hazardous to the aquatic environment. The pure fragrance (100%) is not regulated for transport either.

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 not classified as hazardous.
IFRA (50th)	Reed diffusers (Cat. 10A): max 0.50% — 5% does NOT comply. Room sprays (Cat. 10B): max 0.50% — 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 (version 1.0 of 22/05/2023, issued 22/05/2023), allergen declaration and IFRA 50th Amendment certificate (21/06/2023). The manufacturer declares component concentrations as ranges; the classification was calculated conservatively using the upper limit of each range, which coincides with the exact values of the manufacturer's allergen declaration and IFRA certificate (cinnamal 6.16%, benzyl alcohol 5%, coumarin 0.94%, benzyl benzoate 0.54%) and reproduces the manufacturer's classification of the pure fragrance (H315, H317, H319). The manufacturer has not issued SDSs for diluted preparations — the classifications of the 5% and 10% preparations were calculated by Eco Candle Project with the CLP calculation method. IFRA limits this fragrance to 25% in candles and wax melts (Category 12) and to 0.5% in reed diffusers (Category 10A): it is not suitable for diffusers, so no diffuser SDS is issued. 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; SVHC = Substance of Very High Concern.

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

H225 Highly flammable liquid and vapour. **H226** Flammable liquid and vapour. **H301** Toxic if swallowed. **H302** Harmful if swallowed. **H311** Toxic in contact with skin. **H312** Harmful in contact with skin. **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. **H331** Toxic if inhaled. **H332** Harmful if inhaled. **H335** May cause respiratory irritation. **H336** May cause drowsiness or dizziness. **H351** Suspected of causing cancer. **H400** Very toxic to aquatic life. **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 4,433)	ATE $\approx 88,652$ mg/kg / ≤ 2000	Not classified
Acute toxicity (inhalation)	Not classified (ATE 17.80 mg/L)	ATE ≈ 356.0 mg/L / ≤ 5	Not classified
Aspiration hazard	Not classified	$\Sigma = 0.00\%$ / $\geq 10\%$	Not classified
Skin irritation	Skin Irrit. 2	$\Sigma = 0.00\%$ / $\geq 10\%$	Not classified
Eye irritation	Eye Irrit. 2	$\Sigma = 0.0\%$ / $\geq 10\%$	Not classified
Skin sensitisation	Skin Sens. 1	4-tert-Butylcyclohexyl acetate 0.31% / $\geq 1\%$	Not classified (EUH208)
Aquatic chronic	Not classified	C2: 0.1%; C3: 1.1% / $\geq 25\%$	Not classified
Physical hazards	Not classified (FP 96 °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.