SAFETY DATA SHEET

CANDY APPLE — 10% preparation in non-hazardous wax 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 10% of CANDY APPLE fragrance and 90% of non-hazardous wax 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 CANDY APPLE at 10%
UFI (pure fragrance)	Not stated in the manufacturer's documents (requested)
Type of product	Perfumes, fragrances
Base	Non-hazardous, non-classified wax (e.g. soy, rapeseed, coconut or paraffin) — 90%

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

Identified uses	Scented candles, wax melts and scented waxes.
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 NOT CLASSIFIED AS HAZARDOUS (EUH208 applies)
Aquatic hazard, chronic	Not classified — 10 × M × Σ Chronic 1 + Σ Chronic 2 = 1.8% (≥ 25% → Chronic 2); 100 × M × Σ Chronic 1 + 10 × Σ Chronic 2 + Σ Chronic 3 = 18.0%. Components below the generic cut-off values of Annex I, Table 1.1 (1%; 0.1% ÷ M for Acute 1 / Chronic 1) are not taken into account (12 components).
Skin sensitisation	Not classified — highest sensitiser eugenol 0.40% < 1%. EUH208 applies (≥ 1/10 of the limit).
Eye irritation	Not classified — Σ Eye Irrit. 2 (≥ 1%) = 0.00% (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 ≈ 35,714 mg/kg (threshold: 2000 mg/kg).
Acute toxicity (dermal)	Not classified — ATE mix ≈ 107,143 mg/kg (threshold: 2000 mg/kg).
Acute toxicity (inhalation)	Not classified — ATE mix (dust/mist) ≈ 1,666.7 mg/L (Category 4: ≤ 5 mg/L).
Carcinogenicity	Not classified — Carc. 1B component 0.030% < 0.1% (generic limit).
Notes	The pure fragrance (100%) is classified H317, H319, H350 and H411 (DANGER). See Annex — Calculation record.

2.2 Label elements

Hazard pictograms	None
Signal word	None (no pictogram required)
Hazard statements	None
Supplemental information	EUH208 Contains Eugenol, 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. 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 10% (manufacturer's values × 0.10):

Name	Identifiers	%	Classification (EC) No 1272/2008
Vanillin	CAS 121-33-5 EC 204-465-2	0.500	Eye Irrit. 2, H319
Eugenol	CAS 97-53-0 EC 202-589-1	0.400	Skin Sens. 1B, H317; Eye Irrit. 2, H319
2-tert-Butylcyclohexyl acetate	CAS 88-41-5 EC 201-828-7	< 1.00	Aquatic Chronic 2, H411
gamma-Undecalactone	CAS 104-67-6 EC 203-225-4	< 1.00	Aquatic Chronic 3, H412
Diethyl malonate	CAS 105-53-3 EC 203-305-9	< 1.00	Eye Irrit. 2, H319
Tricyclodecenyl propionate	CAS 17511-60-3 EC 241-514-7	< 1.00	Aquatic Chronic 2, H411; Eye Irrit. 2, H319
Citronellyl acetate	CAS 150-84-5 EC 205-775-0	< 1.00	Skin Irrit. 2, H315; Aquatic Chronic 2, H411
Allyl hexanoate	CAS 123-68-2 EC 204-642-4	0.100 – 0.250	Acute Tox. 3 (oral), H301; Acute Tox. 3 (dermal), H311; Acute Tox. 3 (inhalation), H331; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1)
Allyl cyclohexylpropionate	CAS 2705-87-5 EC 220-292-5	0.050 – 0.100	Acute Tox. 4 (oral), H302; Acute Tox. 4 (dermal), H312; Skin Sens. 1B, H317; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1)
Allyl heptanoate	CAS 142-19-8 EC 205-527-1	0.050 – 0.100	Acute Tox. 3 (oral), H301; Acute Tox. 3 (dermal), H311; Aquatic Acute 1, H400 (M = 10); Aquatic Chronic 1, H410 (M = 1)
Hexyl cinnamal	CAS 101-86-0 EC 202-983-3	0.095	Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Citral	CAS 5392-40-5 EC 226-394-6	0.071	Skin Irrit. 2, H315; Skin Sens. 1, H317
Lemon oil (Citrus limon)	CAS 8008-56-8 EC 616-925-3	0.050	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410

Name	Identifiers	%	Classification (EC) No 1272/2008
Hexamethylindanopyran (HHCB)	CAS 1222-05-5 EC 214-946-9	0.045	Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Sweet orange oil (Citrus aurantium dulcis)	CAS 8028-48-6 / 8008-57-9 EC 232-433-8	< 0.100	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 2, H411
Nutmeg oil (Myristica fragrans)	CAS 8008-45-5 EC 282-013-3	0.010 – 0.040	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Carc. 1B, H350; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
delta-Damascone (rose ketone)	CAS 71048-82-3 / 57378-68-4 EC 260-709-8	0.030	Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410 (M = 1)
Linalool	CAS 78-70-6 EC 201-134-4	0.030	Skin Sens. 1B, H317
Inert base	—	90	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. Molten wax: cool immediately with cold water; do not remove adhering wax; seek medical attention for burns.
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	Solid wax: collect mechanically. Molten wax: allow to solidify and scrape up.

SECTION 7: Handling and storage

7.1 Safe handling	Melt the wax with controlled heating and good ventilation. Add the fragrance at a moderate temperature (typically 75–85 °C, or as per the wax data sheet) and below the fragrance flash point (85.5 °C). Do not leave melting wax unattended. Wash hands after use.
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: Citral, CAS 5392-40-5 — 5 ppm (8 h TWA); Diethyl phthalate (DEP), CAS 84-66-2 — 5 mg/m³ (8 h TWA); 10 mg/m³ (15 min STEL). 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. Molten wax: heat-resistant gloves (EN 407).
Respiratory protection	Not required with adequate ventilation; otherwise filter type A (EN 14387).

SECTION 9: Physical and chemical properties

Physical state	Solid at 20 °C (wax); liquid when molten
Odour	Characteristic — red apple, caramel, vanilla
Flash point	Not determined for the preparation; pure fragrance 85.5 °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 ≈ 35,714 mg/kg)
Acute toxicity (dermal)	Not classified (ATE ≈ 107,143 mg/kg)
Acute toxicity (inhalation)	Not classified (ATE ≈ 1,666.7 mg/L)
Skin corrosion/irritation	Not classified
Eye irritation	Not classified
Skin sensitisation	Not classified (EUH208)
Aspiration hazard	Not classified
Carcinogenicity	Not classified (Carc. 1B component 0.030% < 0.1%)
Mutagenicity, reproductive toxicity, STOT	Not classified

SECTION 12: Ecological information

12.1 Toxicity	Not classified as hazardous to the aquatic environment (Σ aquatic-hazard components: allyl hexanoate, 2-tert-Butylcyclohexyl acetate, allyl cyclohexylpropionate, allyl heptanoate and lemon oil, below the classification limits).
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)	None — not a hazardous waste on the basis of its classification (Annex III, Directive 2008/98/EC).
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 10% — the preparation is not classified as hazardous to the aquatic environment. The pure fragrance (100%) is UN 3082, Class 9, PG III. Finished candles are articles and are not regulated.

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	Not required — the mixture is not classified as hazardous.
IFRA (51st)	Candles (Cat. 12): no restriction — 10% complies.

SECTION 16: Other information

Revision	Version 1.1 — Eco Candle Project edition, 04/11/2026. Based on the manufacturer's SDS for the pure fragrance (version 1 of 04/09/2024, issued 04/09/2024), allergen declaration and IFRA 51st Amendment certificate (04/09/2024). The manufacturer's SDS lists the hazardous components without concentrations. Concentrations were therefore established by Eco Candle Project as follows: exact values from the manufacturer's allergen declaration (vanillin, eugenol, hexyl cinnamal, citral, linalool, HHCB, rose ketones, lemon and orange oils); allyl hexanoate, allyl heptanoate and allyl cyclohexyl propionate back-calculated from the acute toxicity estimates stated by the manufacturer (oral 3571, dermal 10714, inhalation 166.7 mg/L vapour); nutmeg oil bounded between 0.1% and 0.4% by the manufacturer's classifications (Carc. 1B for the pure fragrance, not carcinogenic at 25%); remaining components bounded by their absence from the manufacturer's 10% dilution SDS and set so that the calculation reproduces the manufacturer's classification of the pure fragrance (H317, H319, H350, H411). Section 3 shows these values as ranges. Changes from version 1.0 (23/10/2026): the generic cut-off values of Regulation (EC) No 1272/2008, Annex I, Table 1.1 are now applied in the summation method for aquatic hazards (ingredients below 1 % — or 0.1 % ÷ M for Aquatic Acute 1 / Chronic 1 — are not taken into account). 5% preparation: H412 → not classified; 10% preparation: H412 → not classified. Composition, other hazard classes and IFRA limits unchanged. Classification of the 10% 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; DEP = diethyl phthalate; SVHC = Substance of Very High Concern.

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

H226 Flammable liquid and vapour. **H301** Toxic if swallowed. **H302** Harmful if swallowed. **H304** May be fatal if swallowed and enters airways. **H311** Toxic in contact with skin. **H312** Harmful in contact with skin. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H319** Causes serious eye irritation. **H331** Toxic if inhaled. **H350** May cause cancer. **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 (10%)

Hazard class	Fragrance 100%	Calculation at 10% / threshold	Result at 10%
Acute toxicity (oral)	Not classified (ATE 3,571)	ATE ≈ 35,714 mg/kg / ≤ 2000	Not classified
Acute toxicity (dermal)	Not classified (ATE 10,714 mg/kg)	ATE ≈ 107,143 mg/kg / ≤ 2000	Not classified
Acute toxicity (inhalation)	Not classified (ATE 166.67 mg/L)	ATE ≈ 1,666.7 mg/L / ≤ 5	Not classified
Aspiration hazard	Not classified	Σ = 0.12% / ≥ 10%	Not classified
Skin irritation	Not classified	Σ = 0.00% / ≥ 10%	Not classified
Eye irritation	Eye Irrit. 2	Σ = 0.0% / ≥ 10%	Not classified
Skin sensitisation	Skin Sens. 1	eugenol 0.40% / ≥ 1%	Not classified (EUH208)
Carcinogenicity	Carc. 1B	0.030% / ≥ 0.1%	Not classified
Aquatic chronic	Aquatic Chronic 2	C2: 1.8%; C3: 18.0% / ≥ 25%	Not classified
Physical hazards	Not classified (FP 85.5 °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.