



SAFETY DATA SHEET

CANDY APPLE — fragrance compound, 100%

According to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878

⚠ RESTRICTED TO PROFESSIONAL USERS. The pure fragrance contains nutmeg oil (0.1–0.4%, Carc. 1B) and is classified Carc. 1B — H350. Under REACH Annex XVII (entry 28) it must not be supplied neat to the general public. The 5%, 10% and 19% preparations are below the 0.1% limit and are not classified as carcinogenic.

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

1.1 Product identifier

Product form	Mixture
Trade name	CANDY APPLE
UFI	Not stated in the manufacturer's documents (requested)
Type of product	Perfumes, fragrances

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

Identified uses	Fragrance compound for the manufacture of candles, wax melts, diffusers and air-care products. Restricted to professional users (REACH Annex XVII, entry 28).
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

Eye irritation	Eye Irrit. 2 — H319
Skin sensitisation	Skin Sens. 1 — H317
Carcinogenicity	Carc. 1B — H350
Aquatic hazard, chronic	Aquatic Chronic 2 — H411

Classification calculated by Eco Candle Project with the CLP calculation method (Regulation (EC) No 1272/2008) from the composition established as described in section 16; it reproduces the manufacturer's classification (H317, H319, H350, H411). The formula contains nutmeg oil (*Myristica fragrans* fruit oil, Carc. 1B) at a concentration of at least 0.1% and below 0.4%, i.e. at or above the generic concentration limit for carcinogenicity, so the pure fragrance is classified Carc. 1B — H350. The diluted preparations ($\leq 25\%$) contain less than 0.1% nutmeg oil and are not classified as carcinogenic. For the 5% and 10% dilutions the CLP summation method gives Aquatic Chronic 3 — H412 (the manufacturer's dilution SDSs state 'not classified'); Eco Candle Project keeps the calculated, more protective classification.



2.2 Label elements



GHS07



GHS08



GHS09

Hazard pictograms	GHS07, GHS08, GHS09
Signal word	DANGER
Contains (hazard-determining)	Eugenol, delta-Damascone (rose ketone), Nutmeg oil
Hazard statements	H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H350 May cause cancer. H411 Toxic to aquatic life with long lasting effects.
Supplemental information	EUH208 Contains Hexyl cinnamal, Allyl cyclohexylpropionate, Citral, Lemon oil, Sweet orange oil, Nutmeg oil, Linalool. May produce an allergic reaction. Restricted to professional users.
Precautionary statements	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. 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. P308+P313 IF exposed or concerned: Get medical advice/attention. 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. P405 Store locked up. 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 (and substances with a workplace exposure limit) as declared by the manufacturer:

Name	Identifiers	%	Classification (EC) No 1272/2008
Vanillin	CAS 121-33-5 EC 204-465-2	5.00	Eye Irrit. 2, H319
Eugenol	CAS 97-53-0 EC 202-589-1	4.00	Skin Sens. 1B, H317; Eye Irrit. 2, H319
2-tert-Butylcyclohexyl acetate	CAS 88-41-5 EC 201-828-7	< 10.00	Aquatic Chronic 2, H411
gamma-Undecalactone	CAS 104-67-6 EC 203-225-4	< 10.00	Aquatic Chronic 3, H412
Diethyl malonate	CAS 105-53-3 EC 203-305-9	< 10.00	Eye Irrit. 2, H319
Tricyclodecenyl propionate	CAS 17511-60-3 EC 241-514-7	< 10.00	Aquatic Chronic 2, H411; Eye Irrit. 2, H319



Name	Identifiers	%	Classification (EC) No 1272/2008
Citronellyl acetate	CAS 150-84-5 EC 205-775-0	< 10.00	Skin Irrit. 2, H315; Aquatic Chronic 2, H411
Allyl hexanoate	CAS 123-68-2 EC 204-642-4	1.00 – 2.50	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	0.500 – 1.00	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	0.500 – 1.00	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	0.954	Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411
Citral	CAS 5392-40-5 EC 226-394-6	0.710	Skin Irrit. 2, H315; Skin Sens. 1, H317
Lemon oil (Citrus limon)	CAS 8008-56-8 EC 616-925-3	0.500	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Hexamethylindanopyran (HHCB)	CAS 1222-05-5 EC 214-946-9	0.450	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	< 1.00	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	0.100 – 0.400	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	0.300	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	0.300	Skin Sens. 1B, H317

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. May cause cancer (long-term exposure).
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.
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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	Obtain special instructions before use; do not handle until all safety precautions have been read and understood. 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. Store locked up.
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/m ³ (8 h TWA); 10 mg/m ³ (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.
Respiratory protection	Not required with adequate ventilation; otherwise filter type A (EN 14387).

SECTION 9: Physical and chemical properties

Physical state	Liquid
Colour	Colourless
Odour	Characteristic — fruity-gourmand (red apple, caramel, vanilla, warm spice)
Flash point	85.5 °C (closed cup)
Flammability	Not classified (flash point > 60 °C)
pH	Not applicable
Solubility in water	Practically insoluble
Other properties	Melting/boiling point, density, vapour pressure, viscosity, auto-ignition: not determined by the manufacturer.

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 $\approx$ 3,571 mg/kg)
Acute toxicity (dermal)	Not classified (ATE $\approx$ 10,714 mg/kg)
Acute toxicity (inhalation)	Not classified (ATE $\approx$ 166.7 mg/L)
Skin corrosion/irritation	Not classified
Eye irritation	Eye Irrit. 2 — H319
Skin sensitisation	Skin Sens. 1 — H317
Aspiration hazard	Not classified
Carcinogenicity	Carc. 1B — H350
Mutagenicity, reproductive toxicity, STOT	Not classified

SECTION 12: Ecological information

12.1 Toxicity	Aquatic Chronic 2 — H411. Main contributors: allyl hexanoate, 2-tert-Butylcyclohexyl acetate, allyl cyclohexylpropionate, allyl heptanoate and lemon oil.
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)	HP4, HP7, 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. (2-TERT-BUTYLCYCLOHEXYL ACETATE, ALLYL HEXANOATE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-TERT-BUTYLCYCLOHEXYL ACETATE, ALLYL HEXANOATE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-TERT-BUTYLCYCLOHEXYL ACETATE, ALLYL HEXANOATE)
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 $\leq$ 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 $\geq$ 0.1%; no Annex XIV substances. Annex XVII entries 28–30 (Carc. 1B $\geq$ 0.1%); the pure fragrance must not be placed on the market for supply to the general public; the packaging must be marked visibly, legibly and indelibly "Restricted to professional users".



Seveso III	E2 — Hazardous to the aquatic environment, Chronic 2.
PCN / UFI	The manufacturer's documents do not state a UFI; it has been requested and will be added in the next revision.
IFRA (51st)	Candles (Cat. 12): no restriction (100%). Reed diffusers (Cat. 10A): max 19.37%. Room sprays (Cat. 10B): max 65.62%. Fine fragrance (Cat. 4): max 14.33%. See IFRA certificate.

SECTION 16: Other information

Revision	Version 1.0 — Eco Candle Project edition, 23/10/2026. 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.
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.