# 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

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| **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

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| **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

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| **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

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| **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

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| **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 (≤ 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

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| **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.<br>H319 Causes serious eye irritation.<br>H350 May cause cancer.<br>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.<br>Restricted to professional users. |
| **Precautionary statements** | P201 Obtain special instructions before use.<br>P202 Do not handle until all safety precautions have been read and understood.<br>P261 Avoid breathing mist/vapours/spray.<br>P273 Avoid release to the environment.<br>P280 Wear protective gloves/eye protection/face protection.<br>P302+P352 IF ON SKIN: Wash with plenty of water.<br>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P308+P313 IF exposed or concerned: Get medical advice/attention.<br>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.<br>P337+P313 If eye irritation persists: Get medical advice/attention.<br>P391 Collect spillage.<br>P405 Store locked up.<br>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 (and substances with a workplace exposure limit) as declared by the manufacturer:

| Name | Identifiers | % | Classification (EC) No 1272/2008 |
|---|---|---|---|
| Vanillin | CAS 121-33-5<br>EC 204-465-2 | 5.00 | Eye Irrit. 2, H319 |
| Eugenol | CAS 97-53-0<br>EC 202-589-1 | 4.00 | Skin Sens. 1B, H317; Eye Irrit. 2, H319 |
| 2-tert-Butylcyclohexyl acetate | CAS 88-41-5<br>EC 201-828-7 | < 10.00 | Aquatic Chronic 2, H411 |
| gamma-Undecalactone | CAS 104-67-6<br>EC 203-225-4 | < 10.00 | Aquatic Chronic 3, H412 |
| Diethyl malonate | CAS 105-53-3<br>EC 203-305-9 | < 10.00 | Eye Irrit. 2, H319 |
| Tricyclodecenyl propionate | CAS 17511-60-3<br>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<br>EC 205-775-0 | < 10.00 | Skin Irrit. 2, H315; Aquatic Chronic 2, H411 |
| Allyl hexanoate | CAS 123-68-2<br>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<br>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<br>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<br>EC 202-983-3 | 0.954 | Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411 |
| Citral | CAS 5392-40-5<br>EC 226-394-6 | 0.710 | Skin Irrit. 2, H315; Skin Sens. 1, H317 |
| Lemon oil (Citrus limon) | CAS 8008-56-8<br>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<br>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<br>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<br>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<br>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<br>EC 201-134-4 | 0.300 | Skin Sens. 1B, H317 |

Full text of H-statements: see Section 16.

## SECTION 4: First aid measures

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| **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

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| **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. |

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| **Advice for firefighters** | Self-contained breathing apparatus and full protective clothing. |

## SECTION 6: Accidental release measures

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| **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

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| **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

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| **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. |
| **Respiratory protection** | Not required with adequate ventilation; otherwise filter type A (EN 14387). |

## SECTION 9: Physical and chemical properties

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| **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

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| **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

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| **Acute toxicity (oral)** | Not classified (ATE ≈ 3,571 mg/kg) |
| **Acute toxicity (dermal)** | Not classified (ATE ≈ 10,714 mg/kg) |
| **Acute toxicity (inhalation)** | Not classified (ATE ≈ 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

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| **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 ≥ 0.1%. Do not allow to enter drains or watercourses. |

## SECTION 13: Disposal considerations

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| **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 ≤ 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

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| **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. Annex XVII entries 28–30 (Carc. 1B ≥ 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". |

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| **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

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| **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. |
| **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.