# SAFETY DATA SHEET

PUMPKIN, VANILLA & CARAMEL — 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 PUMPKIN, VANILLA & CARAMEL 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

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| **Product form** | Mixture |
| **Trade name** | Preparation with PUMPKIN, VANILLA & CARAMEL at 10% |
| **UFI (pure fragrance)** | QNA0-308Q-U00V-38XA |
| **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

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| **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

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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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|---|---|
| **Result** | MIXTURE CLASSIFIED AS HAZARDOUS — H317, H412 |
| **Aquatic hazard, chronic** | Aquatic Chronic 3 — H412. 10 × M × Σ Chronic 1 + Σ Chronic 2 = 4.1% (≥ 25% → Chronic 2); 100 × M × Σ Chronic 1 + 10 × Σ Chronic 2 + Σ Chronic 3 = 40.7%. 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 (14 components). |
| **Skin sensitisation** | Skin Sens. 1 — H317. Methyl cinnamate 1.53% is ≥ the concentration limit (1% generic). |
| **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 = 0.93% (threshold: 10%). |
| **Acute toxicity (oral)** | Not classified — ATE mix ≈ 163,827 mg/kg (threshold: 2000 mg/kg). |
| **Acute toxicity (dermal)** | Not classified — ATE mix ≈ 326,371 mg/kg (threshold: 2000 mg/kg). |
| **Acute toxicity (inhalation)** | Not classified — ATE mix (dust/mist) ≈ 265.7 mg/L (Category 4: ≤ 5 mg/L). |
| **Reproductive toxicity** | Not classified — Highest Repr. 2 component 0.32% (generic limit: 3%). |
| **Notes** | The pure fragrance (100%) is classified H317, H319, H361 and H411 (WARNING). See Annex — Calculation record. |

### 2.2 Label elements



GHS07

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| **Hazard pictograms** | GHS07 |
| **Signal word** | Warning |
| **Contains (hazard-determining)** | Methyl cinnamate |
| **Hazard statements** | H317 May cause an allergic skin reaction.<br>H412 Harmful to aquatic life with long lasting effects. |
| **Supplemental information** | EUH208 Contains Ginger root oil (Zingiber officinale), Linalyl acetate, Piperonal (heliotropin), Lemon oil, Linalool, Sweet orange oil, Levulinic acid, Citral, Cinnamal. May produce an allergic reaction. |
| **Precautionary statements** | P101 If medical advice is needed, have product container or label at hand.<br>P102 Keep out of reach of children.<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>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.<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 — concentrations refer to the FINAL mixture at 10% (manufacturer's values × 0.10):

| Name | Identifiers | % | Classification (EC) No 1272/2008 |
|---|---|---|---|
| Methyl cinnamate | CAS 103-26-4 / 1754-62-7<br>EC 203-093-8<br>REACH 01-2119979458-16 | 1.53 | Skin Sens. 1B, H317 |
| Ginger root oil (Zingiber officinale) | CAS 8007-08-7 / 84696-15-1<br>EC 283-634-2 | 0.550 | Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Sens. 1, H317 |
| Linalyl acetate | CAS 115-95-7<br>EC 204-116-4<br>REACH 01-2119454789-19 | 0.341 | Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319 |
| gamma-Undecalactone | CAS 104-67-6<br>EC 203-225-4<br>REACH 01-2119959333-34 | 0.330 | Aquatic Chronic 3, H412 |
| Piperonal (heliotropin) | CAS 120-57-0<br>EC 204-409-7<br>REACH 01-2119983608-21 | 0.320 | Skin Sens. 1B, H317; Repr. 2, H361fd |
| Diethyl phthalate (DEP) | CAS 84-66-2<br>EC 201-550-6<br>REACH 01-2119486682-27 | 0.280 | Not classified — substance with a Union workplace exposure limit |

| Name | Identifiers | % | Classification (EC) No 1272/2008 |
|---|---|---|---|
| Lemon oil (Citrus limon) | CAS 8008-56-8<br>EC 616-925-3<br>REACH 01-2119495512-35 | 0.257 | Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317 |
| Linalool | CAS 78-70-6<br>EC 201-134-4<br>REACH 01-2119474016-42 | 0.180 | Skin Sens. 1B, H317 |
| Ethyl heptanoate | CAS 106-30-9<br>EC 203-382-9 | 0.150 | Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 1, H410; Aquatic Chronic 3, H412 |
| Ethyl butanoate | CAS 105-54-4<br>EC 203-306-4<br>REACH 01-2120118576-54 | 0.140 | Flam. Liq. 3, H226; Eye Irrit. 2, H319 |
| Ethyl maltol | CAS 4940-11-8<br>EC 225-582-5 | 0.121 | Acute Tox. 4 (oral), H302 |
| Sweet orange oil (Citrus aurantium dulcis) | CAS 8028-48-6 / 8008-57-9<br>EC 232-433-8<br>REACH 01-2119493353-35 | 0.120 | Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Skin Sens. 1, H317 |
| Levulinic acid | CAS 123-76-2<br>EC 204-649-2 | 0.107 | Acute Tox. 4 (oral), H302; Eye Dam. 1, H318; Skin Sens. 1, H317 |
| Methyl propionate | CAS 554-12-1<br>EC 209-060-4 | 0.105 | Flam. Liq. 2, H225; Acute Tox. 4 (inhalation), H332 |
| Citral | CAS 5392-40-5<br>EC 226-394-6<br>REACH 01-2119462829-23 | 0.100 | Skin Irrit. 2, H315; Skin Sens. 1, H317 |
| Isoamyl alcohol | CAS 123-51-3<br>EC 204-633-5 | 0.082 | Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Dam. 1, H318; Acute Tox. 4 (inhalation), H332; STOT SE 3, H335; Aquatic Chronic 2, H411 |
| Cinnamal | CAS 104-55-2<br>EC 203-213-9 | 0.047 | Skin Irrit. 2, H315; Aquatic Chronic 3, H412; Skin Sens. 1A, H317; Eye Irrit. 2, H319 |
| Eugenol | CAS 97-53-0<br>EC 202-589-1<br>REACH 01-2119971802-33 | 0.043 | Skin Sens. 1B, H317; Eye Irrit. 2, H319 |
| Hexamethylindanopyran (HHCB) | CAS 1222-05-5<br>EC 214-946-9 | 0.033 | Aquatic Acute 1, H400; Aquatic Chronic 1, H410 |
| Tetrahydrofurfuryl alcohol | CAS 97-99-4<br>EC 202-625-6 | 0.030 | Eye Irrit. 2, H319; Repr. 1B, H360Df |
| Benzyl benzoate | CAS 120-51-4<br>EC 204-402-9<br>REACH 01-2119455540-44 | 0.022 | Acute Tox. 4 (oral), H302; Aquatic Chronic 2, H411 |
| Methyl ionone | CAS 1335-46-2 / 127-51-5<br>EC 204-846-3<br>REACH 01-2119471851-35 | 0.020 | Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Eye Irrit. 2, H319 |
| Terpinyl acetate | CAS 8007-35-0<br>EC 201-265-7<br>REACH 01-2119980733-29 | 0.020 | Aquatic Chronic 2, H411 |
| Coumarin | CAS 91-64-5<br>EC 202-086-7<br>REACH 01-2119949300-45 | 0.019 | Acute Tox. 4 (oral), H302; Aquatic Chronic 3, H412; Skin Sens. 1, H317 |
| Propylene glycol | CAS 57-55-6<br>EC 200-338-0<br>REACH 01-2119456809-23 | 0.019 | Not classified — substance with a Union workplace exposure limit |
| 2-Acetylfuran | CAS 1192-62-7<br>EC 244-753-5 | 0.015 | Acute Tox. 3 (oral), H301; Acute Tox. 2 (dermal), H310; Acute Tox. 2 (inhalation), H330; Eye Irrit. 2, H319 |

| Name | Identifiers | % | Classification (EC) No 1272/2008 |
|---|---|---|---|
| Hexyl cinnamal | CAS 101-86-0<br>EC 202-983-3<br>REACH 01-2119533092-50 | 0.010 | Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411 |
| Geranyl acetate | CAS 105-87-3<br>EC 203-341-5<br>REACH 01-2119973480-35 | 0.010 | Skin Irrit. 2, H315; Aquatic Chronic 3, H412; Skin Sens. 1, H317 |
| Benzyl salicylate | CAS 118-58-1<br>EC 204-262-9<br>REACH 01-2119969442-31 | 0.010 | Skin Sens. 1B, H317 |
| Isoamyl phenylacetate | CAS 102-19-2<br>EC 203-012-6 | 0.0008 | Aquatic Chronic 2, H411 |
| Isoamyl acetate | CAS 123-92-2<br>EC 204-662-3<br>REACH 01-2119548408-32 | 0.0005 | Flam. Liq. 3, H226 |
| Butanedione (diacetyl) | CAS 431-03-8<br>EC 207-069-8 | 0.0002 | Flam. Liq. 2, H225; Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Acute Tox. 4 (inhalation), H332; STOT RE 1, H372; Eye Irrit. 2, H319 |
| Inert base | — | 90 | Not classified |

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. 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 cause an allergic skin reaction. |
| **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. |
| **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** | Solid wax: collect mechanically. Molten wax: allow to solidify and scrape up. |

## SECTION 7: Handling and storage

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| **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 (above 61 °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

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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); Isoamyl alcohol, CAS 123-51-3 — 366 mg/m³ / 100 ppm (8 h TWA); 458 mg/m³ / 125 ppm (15 min STEL); Propylene glycol, CAS 57-55-6 — 474 mg/m³ / 150 ppm (8 h TWA); Butanedione, CAS 431-03-8 — 0.07 mg/m³ / 0.02 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. 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

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| **Physical state** | Solid at 20 °C (wax); liquid when molten |
| **Odour** | Characteristic — pumpkin spice, caramel, vanilla |
| **Flash point** | Not determined for the preparation; pure fragrance > 61 °C (closed cup) |
| **Density** | Depends on the base |
| **Solubility** | Insoluble in water |

## 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 ≈ 163,827 mg/kg) |
| **Acute toxicity (dermal)** | Not classified (ATE ≈ 326,371 mg/kg) |
| **Acute toxicity (inhalation)** | Not classified (ATE ≈ 265.7 mg/L) |
| **Skin corrosion/irritation** | Not classified |
| **Eye irritation** | Not classified |
| **Skin sensitisation** | Skin Sens. 1 — H317 |
| **Aspiration hazard** | Not classified |
| **Reproductive toxicity** | Not classified (highest Repr. 2 component 0.32% < 3%) |

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|---|---|
| **Mutagenicity, carcinogenicity, STOT** | Not classified |

## SECTION 12: Ecological information

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|---|---|
| **12.1 Toxicity** | Aquatic Chronic 3 — H412. Main contributors: lemon oil, ethyl heptanoate, ginger root oil (Zingiber officinale), hexamethylindanopyran (HHCB) and sweet orange 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)** | HP13, 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 10% — Aquatic Chronic 3 is not regulated for transport. The pure fragrance (100%) is UN 3082, Class 9, PG III. Finished candles are articles and are not regulated.

## 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. Contains diethyl phthalate (DEP, 0.28%): not an SVHC and not restricted under Annex XVII (entries 51/52 do not cover DEP). |
| **Drug precursors** | Contains piperonal (CAS 120-57-0, 0.32%), a Category 1 scheduled substance under Regulation (EC) No 273/2004 (Annex I). The mixture is compounded so that the substance cannot be easily used or extracted; nevertheless, keep records of transactions and report any suspicious orders or transactions to the competent authority. |
| **PCN / UFI** | Classified for health hazards (H317): a PCN with its own UFI is required if this preparation is placed on the market; the fragrance UFI (QNA0-308Q-U00V-38XA) can be declared as a component (MiM). |
| **IFRA (51st)** | Candles (Cat. 12): no restriction — 10% complies. |

## 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 16/12/2024, issued 19/01/2024), allergen declaration and IFRA 51st Amendment certificate (19/01/2024). Changes from version 1.0 (22/10/2026): 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. 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):**

**H225** Highly flammable liquid and vapour. **H226** Flammable liquid and vapour. **H301** Toxic if swallowed. **H302** Harmful if swallowed. **H304** May be fatal if swallowed and enters airways. **H310** Fatal in contact with skin. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H318** Causes serious eye damage. **H319** Causes

serious eye irritation. **H330** Fatal if inhaled. **H332** Harmful if inhaled. **H335** May cause respiratory irritation. **H360Df** May damage the unborn child. Suspected of damaging fertility. **H361fd** Suspected of damaging fertility. Suspected of damaging the unborn child. **H372** Causes 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 (10%)

| Hazard class | Fragrance 100% | Calculation at 10% / threshold | Result at 10% |
|---|---|---|---|
| Acute toxicity (oral) | Not classified (ATE 16,383) | ATE ≈ 163,827 mg/kg / ≤ 2000 | Not classified |
| Acute toxicity (dermal) | Not classified (ATE 32,637 mg/kg) | ATE ≈ 326,371 mg/kg / ≤ 2000 | Not classified |
| Acute toxicity (inhalation) | Not classified (ATE 26.57 mg/L) | ATE ≈ 265.7 mg/L / ≤ 5 | Not classified |
| Aspiration hazard | Not classified | Σ = 0.93% / ≥ 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 | methyl cinnamate 1.53% / ≥ 1% | Skin Sens. 1 — H317 |
| Reproductive toxicity | Repr. 2 | 0.32% / ≥ 3% | Not classified |
| Aquatic chronic | Aquatic Chronic 2 | C2: 4.1%; C3: 40.7% / ≥ 25% | Aquatic Chronic 3 — H412 |
| Physical hazards | Not classified (FP > 61 °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.