

SAFETY DATA SHEET

GOLDEN PUMPKIN & SWEET SPICES — 10% preparation in wax (non-hazardous base)

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

△ NOTE: This document applies to the final mixture containing 10% of GOLDEN PUMPKIN & SWEET SPICES fragrance and 90% of non-hazardous wax base. All hazard, composition and concentration data have been recalculated from the supplier's original SDS using the CLP calculation method.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identification

Product Name	Preparation with GOLDEN PUMPKIN & SWEET SPICES at 10% in non-hazardous wax base
Fragrance Reference	GOLDEN PUMPKIN & SWEET SPICES
UFI (pure fragrance)	X9VR-439N-Y00A-Y3QN
Base	Non-hazardous, non-classified wax (e.g. soy, rapeseed, coconut or paraffin) — 90%
Intended Use	Scented candles, wax melts and scented waxes. Not intended for application to skin.

1.2 Company Identification

Company	Vegteam, Lda. — Eco Candle Project (ecocandleproject.com)
Address	R. Quinta de Santa Marta, Lojas EF, 1495-171 Algés, Portugal
Email	info@ecocandleproject.com
Emergency Telephone	Poison Control (CIAV/INEM): +351 800 250 250 (24 hours)



SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] — calculated at 10% incorporation (additivity method, CLP Annex I):

Result	MIXTURE CLASSIFIED AS HAZARDOUS — H317, H412
Skin sensitisation	Skin Sens. 1 — H317. Cinnamaldehyde at 0.186% $\geq$ the 0.01% specific concentration limit given in the supplier's SDS (and $\geq$ 0.1%, generic 1A limit).
Eye irritation	Not classified — Σ Eye Irrit. 2 = 1.05% (threshold: 10%).
Aquatic Hazard Chronic	Aquatic Chronic 3 — H412. $100 \times M \times \text{Chronic 1} + 10 \times \text{Chronic 2} + \text{Chronic 3} = 66.7\% \geq 25\%$ (Chronic 2: $6.59\% < 25\%$).
Acute toxicity (oral)	Not classified — ATE mix $\approx$ 91,200 mg/kg (threshold: 2000 mg/kg)
Notes	The pure fragrance (100%) is classified H317 and H411. Dilution reduces the aquatic hazard to H412, but cinnamaldehyde keeps the H317 classification.

2.2 Label Elements



GHS07

Pictograms	GHS07 (exclamation mark)
Signal Word	Warning
Hazard Statements	H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
Precautionary Statements	P261 Avoid breathing vapours. P273 Avoid release to the environment. P280 Wear protective gloves. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/container in accordance with local regulations.
Contains	Cinnamaldehyde
Finished product	Candles: candle safety labelling according to EN 15494 is also recommended.

2.3 Other hazards

According to Annex XIII of the REACH Regulation, the mixture does not contain PBT or vPvB substances at $\geq 0.1\%$.

The mixture does not contain substances with endocrine-disrupting properties at $\geq 0.1\%$.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

3.1 Characterisation of the mixture

Mixture: GOLDEN PUMPKIN & SWEET SPICES fragrance at 10% in inert wax base (90%). Concentrations refer to the FINAL mixture at 10% (supplier SDS ranges $\times 0.1$).

Note: According to the allergen certificate (extended list), actual contents in the pure fragrance are: OTNE 6.250%, coumarin 2.500%, vanillin 2.502%, cinnamaldehyde 1.855%, benzaldehyde 0.881%, linalool 0.250% (in the 10% mixture: OTNE 0.625%, coumarin 0.25%, cinnamaldehyde 0.186%). These values were used in the calculation.



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Substance	CAS No.	Conc. (%)	CLP Classification (component)
OTNE (2-acetyl-octahydro-tetramethylnaphthalene)	54464-57-2	0.5 – <1	H315, H317 (1B), H410 (M=1)
Ethyl vanillin	121-32-4	0.1 – <0.5	H319
Ethyl maltol	4940-11-8	0.1 – <0.5	H302
gamma-Undecalactone (4-undecanolide)	104-67-6	0.25 – <0.5	H412
Vanillin	121-33-5	0.1 – <0.5	H319
Coumarin	91-64-5	0.1 – <0.5	H302, H317 (1B)
Cinnamaldehyde (cinnamal)	104-55-2	0.1 – <0.25	H312, H315, H319, H317 (1A, SCL 0.01%), H412
Trimethylcyclohexylmethyl formate	25225-08-5	0.1 – <0.25	H411
Benzaldehyde	100-52-7	0.025 – <0.1	H302, H332, H319, H361d, H335, H411
4-Methoxybenzaldehyde (anisaldehyde)	123-11-5	0.025 – <0.1	H361, H412
Methyl cyclopentenolone	765-70-8	0.01 – <0.1	H302, H317
Linalool	78-70-6	0.01 – <0.1	H315, H319, H317 (1B)
Wax base (inert)	—	90	Not classified

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse immediately with running water for several minutes, keeping eyelids open. If irritation persists, seek medical advice.
Skin contact	Wash with 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 Poison Control: +351 800 250 250.
Symptoms / effects	May cause an allergic skin reaction.
Emergency telephone	Poison Control (CIAV/INEM): +351 800 250 250



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SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray, alcohol-resistant foam, dry chemical powder, carbon dioxide (CO ₂).
Unsuitable extinguishing media	High-volume water jet.
Specific hazards	Combustion may release smoke, carbon monoxide (CO) and carbon dioxide (CO ₂).
PPE for firefighters	Self-contained breathing apparatus and full protective clothing.
Special remarks	Collect contaminated fire-fighting water separately; it must not enter drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear gloves and eye protection. Avoid contact with skin and eyes. Ensure ventilation.
Environmental precautions	Prevent entry into drains, watercourses or soil. If rivers or lakes are contaminated, inform the authorities.
Containment/Cleanup	Solid wax: collect mechanically. Molten wax: allow to solidify and scrape up; absorb liquid residues with inert material. Place in a closed container.
Disposal	See Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. 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 technical data sheet) and never above the fragrance flash point (110 °C). Do not leave melting wax unattended. Wash hands after use.

7.2 Conditions for safe storage

Store in a cool, dry, well-ventilated place (10–30 °C), protected from direct sunlight and from heat and ignition sources. Keep out of reach of children. Storage class (TRGS 510): 11 — Combustible solids.



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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

The supplier's SDS lists no occupational exposure limits (OEL) for the fragrance components. DNEL and PNEC not available for the mixture.

8.2 Exposure controls

Engineering controls	Adequate general ventilation; local exhaust recommended for hot or large-scale operations.
Hand protection	Nitrile gloves (EN ISO 374 / EN 16523-1), breakthrough time ≥ 10 min for incidental contact.
Eye protection	Safety glasses with side shields (EN 166).
Respiratory protection	Not required under normal conditions with adequate ventilation.
Thermal hazards	Molten wax: risk of burns. Wear heat-resistant gloves (EN 407).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid at 20 °C (wax); liquid when molten
Colour	White/ivory to pale yellow (depends on wax base)
Odour	Characteristic — gourmand, pumpkin, spices, vanilla
pH	Not applicable
Melting point	Depends on wax base (typically 45–65 °C)
Flash point	> 100 °C (estimated; pure fragrance: 110 °C, closed cup; wax base typically > 200 °C)
Density	$\approx 0.90\text{--}0.95$ g/cm ³ at 20 °C (pure fragrance: 0.918 g/cm ³)
Solubility	Insoluble in water; soluble in oils and organic solvents
Vapour pressure	Low (pure fragrance: 0.1305 hPa at 20 °C, calculated)



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SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions of use and storage.
Reactivity	Does not decompose if stored and used as directed.
Conditions to avoid	Overheating of the wax, open flames and ignition sources, prolonged direct sunlight.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	In case of combustion: CO, CO ₂ and smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

This mixture at 10% has not been tested as a whole. The assessment is based on the CLP calculation method, using component data from the supplier's SDS and the allergen certificate — extended list (03/08/2026).

Acute toxicity (oral): calculated ATE mix $\approx$ 91,200 mg/kg — not classified.

Skin sensitisation: Skin Sens. 1 — H317 (cinnamaldehyde at 0.186%).

Eye irritation: not classified.

Germ cell mutagenicity, carcinogenicity, reproductive toxicity, STOT and aspiration hazard: not classified (Repr. 2 components individually < 3%).

SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity (at 10%): Aquatic Chronic 3 — H412.

Note: The pure fragrance (100%) classifies Aquatic Chronic 2, H411, mainly due to OTNE (Aquatic Chronic 1, M-factor = 1).

Persistence, degradability and bioaccumulation: not available for the mixture.

PBT/vPvB assessment: the mixture does not contain PBT or vPvB substances at $\geq$ 0.1% (REACH Annex XIII).



SECTION 13: DISPOSAL CONSIDERATIONS

Product waste: hazardous property HP14 (ecotoxic — OTNE H410 $\times 100 \geq 25\%$). Dispose of through a licensed operator according to local/national regulations. Do not discharge to sewers.

Contaminated packaging: empty completely; do not reuse; dispose of through an authorised waste operator.

SECTION 14: TRANSPORT INFORMATION

Transport classification (at 10%):

- UN number: not applicable
- Proper shipping name: not regulated
- Class / Packing group: not applicable
- Environmental hazard / marine pollutant: no

Note: Not classified as dangerous goods (ADR/RID/IMDG/IATA) — Aquatic Chronic 3 is not regulated for transport. The pure fragrance (GOLDEN PUMPKIN & SWEET SPICES 100%) is UN 3082, class 9.

SECTION 15: REGULATORY INFORMATION

Applicable Regulations:

- Regulation (EC) No. 1272/2008 (CLP) — Classification and labelling
- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EU) 2020/878 — SDS format

PCN notification (CLP Annex VIII): REQUIRED — the mixture is classified for a human health hazard (H317). A UFI specific to this mixture is needed before placing on the market; the UFI of the pure fragrance can be declared as a component (MIM).

REACH Annex XVII: pure fragrance subject to entries 3 and 75 (tattoo inks — not relevant). No SVHC or Annex XIV substances.

IFRA (51st Amendment): limit for candles (Category 12) = 64.00%. At 10% it complies.



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SECTION 16: OTHER INFORMATION

Date of preparation: September 2026 — 10% preparation based on the GOLDEN PUMPKIN & SWEET SPICES SDS, the allergen certificate — extended list (03/08/2026) and the IFRA 51 certificate (03/08/2026).

Prepared by: Eco Candle Project (Vegteam, Lda.) — based on supplier data.

Full text of H-statements: H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H361 Suspected of damaging fertility or the unborn child. H361d Suspected of damaging the unborn child. 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.

Acronyms: ATE = Acute Toxicity Estimate; SCL = Specific Concentration Limit; UFI = Unique Formula Identifier; PCN = Poison Centre Notification; OTNE = Iso E Super.

This document is intended for internal use and B2B communication. Eco Candle Project assumes no liability for unintended uses. If a base other than inert wax base is used, the classification must be recalculated.

ANNEX — CALCULATION RECORD (10% IN INERT WAX BASE)

Method: upper limit of each range in the supplier's SDS $\times$ 0.1; for OTNE, coumarin, vanillin, cinnamaldehyde, benzaldehyde and linalool the actual contents from the allergen certificate (extended list, 03/08/2026) were used. Inert wax base = 0% contribution.



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Hazard class	Fragrance 100% (supplier)	Calculation at 10% / threshold	Result at 10%
Acute toxicity (oral)	Not classified (ATE > 2000)	$100/ATE = \sum C_i/ATE_i$ (coumarin, ethyl maltol, benzaldehyde, methyl cyclopentenolone) → ATE ≈ 91,200 mg/kg / ≤ 2000	Not classified
Skin corrosion/irritation	Not classified	Σ Skin Irrit. 2 = 0.84% / ≥ 10%	Not classified
Serious eye damage/irritation	Not classified	Σ Eye Irrit. 2 = 1.05% / ≥ 10%	Not classified
Skin sensitisation	Skin Sens. 1 — H317	Cinnamaldehyde 0.186% (SCL 0.01%); coumarin 0.25% (1B, limit 1%); OTNE 0.625% (1B, limit 1%)	Skin Sens. 1 — H317
Reproductive toxicity	Not classified	Max. individual Repr. 2: 0.1% / ≥ 3%	Not classified
Aquatic chronic	Aquatic Chronic 2 — H411	Chronic 2: $10 \times 1 \times$ OTNE + $\Sigma C_2 = 6.59\%$ / ≥ 25%; Chronic 3: 66.7% / ≥ 25%	Aquatic Chronic 3 — H412
Physical hazards	Not classified (FP 110 °C)	FP > 60 °C	Not classified

Conclusion: mixture classified H317 and H412 (GHS07, Warning).