

SAFETY DATA SHEET

ARONIA & CASSIS — fragrance compound, 100%
According to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878

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

1.1 Product identifier

Product form	Mixture
Trade name	ARONIA & CASSIS
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. For professional use.
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
Aquatic hazard, chronic	Aquatic Chronic 3 — H412

Classification according to Regulation (EC) No 1272/2008 [CLP], as given in the manufacturer's SDS (calculation method); verified by Eco Candle Project with the same method.

2.2 Label elements



GHS07

Hazard pictograms	GHS07
Signal word	WARNING
Contains (hazard-determining)	Tetrahydrolinalool, Ethyl methylphenylglycidate (strawberry aldehyde), Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde), Eucalyptol (1,8-cineole), Cornmint oil (Mentha arvensis), rectified, delta-Damascone (rose ketone)
Hazard statements	H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.



Supplemental information	EUH208 Contains Carvone, Methyl cinnamate, 2-Hexenal, Linalyl acetate, Beta-Damascone, Amyl cinnamal. May produce an allergic reaction.
Precautionary statements	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. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. 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
2-tert-Butylcyclohexyl acetate	CAS 88-41-5 EC 201-828-7 REACH 01-2119970713-33	3.00 – 9.99	Aquatic Chronic 2, H411
Ionone	CAS 8013-90-9 / 127-41-3 EC 204-841-6 REACH 01-2120138061-71	3.00 – 9.99	Aquatic Chronic 3, H412
Ethyl Heptanoate	CAS 106-30-9 EC 203-382-9 REACH 01-2120104876-54	3.00 – 9.99	Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 3, H412
Tetrahydrolinalool	CAS 78-69-3 EC 201-133-9 REACH 01-2119454788-21	3.00 – 9.99	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Ethyl methylphenylglycidate (strawberry aldehyde)	CAS 77-83-8 EC 201-061-8 REACH 01-2119967770-28	2.50 – 2.99	Skin Sens. 1B, H317; Aquatic Chronic 2, H411
Triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde)	CAS 68039-49-6 EC 268-264-1	1.00 – 2.49	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 2, H411
Cis-Hex-3-En-1-ol	CAS 928-96-1 EC 213-192-8 REACH 01-2119969743-23	1.00 – 2.49	Flam. Liq. 3, H226; Eye Irrit. 2, H319
Ethyl vanillin	CAS 121-32-4 EC 204-464-7 REACH 01-2119958961-24	1.00 – 2.49	Eye Irrit. 2, H319
Vanillin	CAS 121-33-5 EC 204-465-2 REACH 01-2119516040-60	1.00 – 2.49	Eye Irrit. 2, H319
Eucalyptol (1,8-cineole)	CAS 470-82-6 EC 207-431-5 REACH 01-2119967772-24	1.00 – 2.49	Flam. Liq. 3, H226; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Cornmint oil (Mentha arvensis), rectified	CAS 68917-18-0 / 90063-97-1 EC 290-058-5 REACH 01-2119973492-30	1.00 – 2.49	Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 2, H411



Name	Identifiers	%	Classification (EC) No 1272/2008
Ethyl butanoate	CAS 105-54-4 EC 203-306-4 REACH 01-2120118576-54	1.00 – 2.49	Flam. Liq. 3, H226; Eye Irrit. 2, H319
Carvone	CAS 6485-40-1 EC 229-352-5 REACH 01-2119962458-25	0.100 – 0.990	Skin Sens. 1B, H317
Methyl cinnamate	CAS 103-26-4 EC 203-093-8 REACH 01-2119979458-16	0.100 – 0.990	Skin Sens. 1B, H317
2-Hexenal	CAS 6728-26-3 EC 229-778-1 REACH 01-2120770494-48	0.100 – 0.990	Flam. Liq. 3, H226; Acute Tox. 4 (oral), H302; Acute Tox. 3 (dermal), H311; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Linalyl acetate	CAS 115-95-7 EC 204-116-4 REACH 01-2119454789-19	0.100 – 0.990	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
Beta-Damascone	CAS 23726-91-2 / 23726-92-3 EC 245-842-1	0.100 – 0.990	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 2, H411
Allyl heptanoate	CAS 142-19-8 EC 205-527-1 REACH 01-2119488961-23	0.100 – 0.990	Acute Tox. 3 (oral), H301; Acute Tox. 3 (dermal), H311; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 3, H412
Allyl hexanoate	CAS 123-68-2 EC 204-642-4 REACH 01-2119983573-26	0.100 – 0.990	Acute Tox. 3 (oral), H301; Acute Tox. 3 (dermal), H311; Acute Tox. 3 (inhalation), H331; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 3, H412
Rose oxide	CAS 16409-43-1 EC 240-457-5 REACH 01-2119976300-42	0.100 – 0.990	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Repr. 2, H361
delta-Damascone (rose ketone)	CAS 57378-68-4 EC 260-709-8 REACH 01-2119535122-53	0.100 – 0.990	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)
Amyl cinnamal	CAS 122-40-7 EC 204-541-5	0.128	Skin Sens. 1B, H317; Aquatic Chronic 2, H411

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.
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	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	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.
7.3 Specific end uses	See Section 1.2 and the IFRA certificate.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	No occupational exposure limits for the components. 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	Yellowish
Odour	Characteristic — fruity (aronia berry, blackcurrant)
Flash point	62 °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 ≈ 13,446 mg/kg)
Skin corrosion/irritation	Not classified
Eye irritation	Eye Irrit. 2 — H319



Skin sensitisation	Skin Sens. 1 — H317
Aspiration hazard	Not classified
Mutagenicity, carcinogenicity, reproductive toxicity, STOT	Not classified

SECTION 12: Ecological information

12.1 Toxicity	Aquatic Chronic 3 — H412. Main contributors: 2-tert-Butylcyclohexyl acetate, ethyl Heptanoate, delta-Damascone (rose ketone), ethyl methylphenylglycidate (strawberry aldehyde) and triplal (2,4-dimethylcyclohex-3-ene-1-carbaldehyde).
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, 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 100% — Aquatic Chronic 3 is not regulated for transport.

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.
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 13.59%. Room sprays (Cat. 10B): max 13.59%. Fine fragrance (Cat. 4): max 4.67%. See IFRA certificate.

SECTION 16: Other information

Revision	Version 1.0 — Eco Candle Project edition, 21/10/2026. Based on the manufacturer's SDS for the pure fragrance (version 3 of 21/09/2023, issued 21/09/2023), allergen declaration and IFRA 51st Amendment certificate (04/09/2023). The manufacturer declares component concentrations as ranges. The exact value from the manufacturer's allergen declaration (22/06/2023) was used for amyl cinnamal and the midpoint of the range otherwise; with these values the calculation reproduces the manufacturer's classification of the pure fragrance (H317, H319, H412). Using the upper limit of every range would add Skin Irrit. 2 — H315 and Aquatic Chronic 2 — H411, which the manufacturer — who knows the exact formula — does not apply. The manufacturer has not issued SDSs for diluted preparations — the classifications of the 5%, 10% and 13% preparations were calculated by Eco Candle Project with the CLP calculation method. The manufacturer's SDS gives no UFI.
Abbreviations	ATE = Acute Toxicity Estimate; UFI = Unique Formula Identifier; PCN = Poison Centre Notification; SCL = specific concentration limit; 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. **H311** Toxic in contact with skin. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H319** Causes serious eye irritation. **H331** Toxic if inhaled. **H361** Suspected of damaging fertility or the unborn child. **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.