

SECTION 1 — IDENTIFICATION

Product identifier	Bergamot essential oil
Veriscents SKU	BERGAMOT
Botanical source	<i>Citrus bergamia</i> Risso & Poiteau
INCI name	Citrus Aurantium Bergamia Fruit Oil
CAS No.	89957-91-5
EC No.	289-612-9
Recommended use	Fragrance ingredient. Supplied as a raw material for compounding perfume concentrates by trained or informed users.
Restrictions on use	Not for food, drug, or medicinal use. Not sold for direct application to skin in undiluted form. Not intended for consumer resale as supplied.
Supplier	Veriscents 30 N. Gould Street Sheridan, WY 82801 United States
Telephone	+1 877.863.7700
E-mail	support@veriscents.com
Web	veriscents.com
Regulatory contact	Regulatory Officer
Emergency telephone	+1 800.222.1222 — Poison Help (US national poison control) Staffed 24 hours a day, 7 days a week; routes to the caller's regional poison center. Provides medical advice on human exposure. For a spill, fire, or transport incident, contact emergency services on 911.

Note on this document

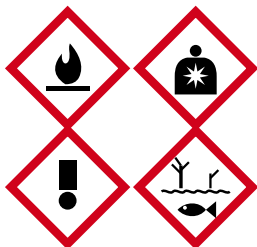
Veriscents supplies this material as a repackager. This document is issued by Veriscents and describes the material as supplied by Veriscents. It is derived from the manufacturer's safety data sheet together with published regulatory data. See Section 16.

SECTION 2 — HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

Flammable liquid	Category 3
Aspiration hazard	Category 1
Serious eye damage / eye irritation	Category 2
Skin corrosion / irritation	Category 2
Skin sensitisation	Category 1
Hazardous to the aquatic environment — acute	Category 1
Hazardous to the aquatic environment — long-term	Category 1

Label elements



Signal word: Danger

Hazard statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing vapour or mist.
P273 Avoid release to the environment.

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P280 Wear protective gloves, protective clothing, and eye or face protection.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 Do NOT induce vomiting.

P302 + P352 IF ON SKIN: Wash with plenty of soap and 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.

P370 + P378 In case of fire: Use carbon dioxide, foam, or dry chemical to extinguish.

P391 Collect spillage.

P501 Dispose of contents and container in accordance with local, state and federal regulations.

The material is classified in both the acute and the long-term aquatic hazard categories. Where both apply, only H410 need appear on the label.

Other hazards

The material contains no PBT or vPvB substance at or above 0.1%, and no substance with endocrine-disrupting properties at or above 0.1%.

Phototoxicity — not covered by the classification above

Cold-pressed bergamot oil contains furocoumarins, principally bergapten (5-methoxypsoralen), and is phototoxic: skin carrying residues of the oil can burn or pigment severely on exposure to sunlight or other UV. This is not a CLP or HazCom classification and does not appear in the hazard statements above, but it is the most likely route to injury in normal perfumery handling. Furocoumarin-free (FCF) grades do not carry this hazard. Confirm which grade is supplied, and observe the IFRA Standard limits for leave-on skin products.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Substance of natural origin — essential oil of *Citrus bergamia*. Hazardous constituents are listed below. Full hazard statement text is given in Section 16.

Constituent	CAS No. / EC No.	Conc. %	Classification
(R)-p-Mentha-1,8-diene (d-limonene)	5989-27-5 227-813-5	37.5 – 40	Flam. Liq. 3 H226; Asp. Tox. 1 H304; Skin Irrit. 2 H315; Skin Sens. 1B H317; Aquatic Acute 1 H400 (M=1); Aquatic Chronic 1 H410 (M=1)
Linalyl acetate	115-95-7 204-116-4	30 – 32.5	Eye Irrit. 2 H319; Skin Irrit. 2 H315; Skin Sens. 1B H317
dl-Linalool	78-70-6 201-134-4	10.5 – 12	Eye Irrit. 2 H319; Skin Irrit. 2 H315; Skin Sens. 1B H317
Pin-2(10)-ene (β-pinene)	127-91-3 204-872-5	5 – 6	Flam. Liq. 3 H226; Asp. Tox. 1 H304; Skin Irrit. 2 H315; Skin Sens. 1B H317; Aquatic Acute 1 H400 (M=1); Aquatic Chronic 1 H410 (M=1)
7-Methyl-3-methylenoocta-1,6-diene (β-myrcene)	123-35-3 204-622-5	1 – 1.5	Flam. Liq. 3 H226; Asp. Tox. 1 H304; Eye Irrit. 2 H319; Skin Irrit. 2 H315; Skin Sens. 1 H317; Aquatic Acute 1 H400 (M=1); Aquatic Chronic 1 H410 (M=1)
Pin-2(3)-ene (α-pinene)	80-56-8 201-291-9	0.8 – 0.9	Flam. Liq. 3 H226; Asp. Tox. 1 H304; Skin Irrit. 2 H315; Skin Sens. 1 H317; Aquatic Acute 1 H400 (M=1); Aquatic Chronic 1 H410 (M=1)
Geranyl acetate	105-87-3 203-341-5	0.7 – 0.8	Skin Irrit. 2 H315; Skin Sens. 1B H317; Aquatic Chronic 3 H412
2-Methyl-6-(4-methylcyclohex-3-en-1-ylidene)hept-2-ene (β-bisabolene)	495-62-5 207-805-8	0.35 – 0.4	Asp. Tox. 1 H304; Skin Irrit. 2 H315; Skin Sens. 1B H317
Caryophyllene	87-44-5 201-746-1	0.3 – 0.35	Asp. Tox. 1 H304; Skin Sens. 1B H317
Citral	5392-40-5 226-394-6	0.25 – 0.3	Eye Irrit. 2 H319; Skin Irrit. 2 H315; Skin Sens. 1B H317
p-Mentha-1,4-diene (γ-terpinene)	99-85-4 202-796-7	0.25 – 0.3	Repr. 2 H361; Asp. Tox. 1 H304; Eye Irrit. 2 H319; Skin Irrit. 2 H315; STOT SE 3 H335
Thujene	2867-05-2 220-686-7	0.2 – 0.25	Flam. Liq. 3 H226; Skin Sens. 1 H317
Nerol	106-25-2 203-378-7	0.15 – 0.2	Eye Irrit. 2 H319; Skin Irrit. 2 H315; Skin Sens. 1B H317

Constituent	CAS No. / EC No.	Conc. %	Classification
p-Mentha-1,3-diene (α -terpinene)	99-86-5 202-795-1	0.1 – 0.15	Flam. Liq. 3 H226; Acute Tox. 4 H302 (ATE oral 500 mg/kg); Asp. Tox. 1 H304; Skin Sens. 1 H317; Aquatic Chronic 2 H411

Composition varies with harvest, origin and extraction method. The ranges above are those declared by the manufacturer for the lot family supplied.

SECTION 4 — FIRST-AID MEASURES

In case of doubt, or if symptoms are present, contact a doctor and show them this document. For severe symptoms, seek immediate medical aid.

Inhalation	Move the person to fresh air, away from the exposure site. If respiratory symptoms develop — coughing, wheezing, difficulty breathing — keep them in a position comfortable for breathing and administer oxygen if required. If breathing stops, give artificial respiration. Get medical attention.
Skin contact	Remove all contaminated clothing immediately. Wash at once and thoroughly with running water, and with soap if available. Get medical attention. Avoid further contact with contaminated clothing.
Eye contact	Remove contact lenses if present and easy to do. Wash immediately with plenty of water for at least 15 minutes, holding the eyelids fully open. Get medical attention.
Ingestion	Do not induce vomiting unless explicitly directed by a doctor — the material is an aspiration hazard. Give nothing by mouth to an unconscious person. Call a poison center or doctor immediately.
Rescuer protection	Personal protective equipment should be worn when assisting a person exposed to this material. See Section 8 for suitable equipment.

Most important symptoms and effects

Skin and serious eye irritation. Allergic skin reaction in sensitised individuals. Aspiration into the lungs following ingestion or vomiting may cause chemical pneumonitis and can be fatal. No cases of delayed effects are known on the information currently available.

Notes to physician

Treat symptomatically. Running water for skin and eye washing should be available in the workplace.

SECTION 5 — FIRE-FIGHTING MEASURES

Suitable extinguishing media	Carbon dioxide, foam, or dry chemical powder. For a leak that has not ignited, water spray may be used to disperse flammable vapour and to protect personnel stemming the leak.
Unsuitable extinguishing media	Do not use water jets. Water is ineffective at extinguishing the fire, though it may be used to cool containers exposed to flame.
Specific hazards	Flammable liquid and vapour. Excess pressure may build in containers exposed to fire, with risk of rupture. Vapours may form explosive mixtures with air and, without adequate ventilation, may accumulate at ground level and ignite at a distance with flashback. Do not breathe combustion products.
Protective equipment for fire-fighters	Full fire-fighting kit with self-contained positive-pressure breathing apparatus. Cool containers with water spray to prevent decomposition. Collect extinguishing water to prevent it entering the sewer system, and dispose of it and fire residues in accordance with applicable regulations.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions	Stop the leak if it is safe to do so. Wear suitable protective equipment as given in Section 8 to prevent contamination of skin, eyes and clothing. Move away anyone not properly equipped. Eliminate all ignition sources — cigarettes, flames, sparks — from the area and use explosion-proof equipment.
Environmental precautions	The material must not enter the sewer system or reach surface water or groundwater. It is very toxic to aquatic life with long lasting effects.
Containment and clean-up	Collect the spilled material into a suitable container, checking its compatibility against Section 10. Absorb the remainder with inert absorbent material. Ensure the area is well ventilated. Dispose of contaminated material in accordance with Section 13.
Reference to other sections	See also Sections 8 and 13.

SECTION 7 — HANDLING AND STORAGE

Precautions for safe handling

Keep away from heat, sparks and naked flame; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire at a distance with danger of flashback. Avoid the build-up of electrostatic charge. Do not eat, drink or smoke while handling the material. Remove contaminated clothing and protective equipment before entering areas where people eat. Avoid release to the environment.

Conditions for safe storage

Store only in the original container, in a cool, well-ventilated place, away from heat, naked flame, sparks and other ignition sources. Keep containers away from incompatible materials — see Section 10. Citrus oils oxidise on exposure to air, light and warmth, which increases their sensitising potential; keep containers tightly closed with minimal headspace and store cold.

Specific end uses

Fragrance compounding, in accordance with good manufacturing and industrial hygiene practice.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits

Constituent	Type	TWA (8 h)
Pin-2(3)-ene (α -pinene)	ACGIH TLV (2023)	20 mg/m ³

No OSHA PEL or NIOSH REL has been established for the constituents of this material. Derived no-effect levels (DNEL) and predicted no-effect concentrations (PNEC) under REACH have been established for several constituents — d-limonene, geranyl acetate, α -pinene, nerol, α -terpinene and γ -terpinene. These are EU-specific values and are set out in full in the manufacturer's safety data sheet referenced in Section 16.

Engineering controls

Technical controls take priority over personal protective equipment. Ensure the workplace is well ventilated through effective local exhaust extraction. Provide an emergency shower with eye and face wash station. Emissions from manufacturing and ventilation equipment should be checked against applicable environmental standards.

Personal protective equipment

Hand protection	Chemically resistant gloves. Check compatibility, degradation and permeation breakthrough time before use, and observe the wear time appropriate to the duration and type of handling.
Skin protection	Long-sleeved protective clothing and safety footwear. Wash with soap and water after removing protective clothing. Consider antistatic clothing where there is a risk of explosive atmosphere.
Eye protection	Close-fitting protective goggles.
Respiratory protection	Required where technical controls do not hold exposure below the relevant limits. Use a mask with an organic vapour (type A) filter of a class appropriate to the concentration. In an emergency, or where the odour threshold exceeds the exposure limit, use compressed-air breathing apparatus.

Environmental exposure controls

Product residues must not be disposed of to waste water or dumped in watercourses.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Method / conditions
Physical state	Liquid	—
Appearance	Mobile liquid	—
Colour	Yellow to green-yellow	—
Odour	Characteristic — fresh, citrus, floral	—
Odour threshold	Not available	—
pH	Not available	—
Melting / freezing point	Not available	—
Initial boiling point	345 °F (174 °C)	—
Flash point	73 – 140 °F (23 – 60 °C)	Consistent with Flammable Liquid Category 3
Flammability	Not available	—
Upper / lower explosive limits	Not available	—
Vapour pressure	Not available	—
Relative vapour density	Not available	—
Density / relative density	Not available	—
Solubility	Not available	—

Property	Value	Method / conditions
Partition coefficient n-octanol/water	Not available	—
Auto-ignition temperature	Not available	—
Decomposition temperature	Not available	—
Kinematic viscosity	Not available	—
Particle characteristics	Not applicable	—

SECTION 10 — STABILITY AND REACTIVITY

Reactivity	No particular risk of reaction with other substances under normal conditions of use.
Chemical stability	Stable under normal conditions of use and storage.
Possibility of hazardous reactions	Vapours may form explosive mixtures with air.
Conditions to avoid	Overheating; all ignition sources; build-up of electrostatic charge.
Incompatible materials	No information available.
Hazardous decomposition products	Thermal decomposition or fire may release gases and vapours that are potentially hazardous to health.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute toxicity of the mixture

ATE oral, dermal and inhalation: not classified — no constituent is present at a significant concentration for these endpoints.

Acute toxicity of constituents

Constituent	LD50 oral	LD50 dermal
(R)-p-Mentha-1,8-diene	4,400 mg/kg (rat)	> 5,000 mg/kg
Linalyl acetate	14,500 mg/kg	> 5,000 mg/kg
dl-Linalool	2,200 mg/kg (mouse)	5,610 mg/kg (rabbit)
Pin-2(10)-ene	4,700 mg/kg (rat)	—
7-Methyl-3-methyleneocta-1,6-diene	> 3,380 mg/kg	> 5,000 mg/kg
Pin-2(3)-ene	2,100 mg/kg (rat)	5,005 mg/kg (rabbit)
Geranyl acetate	6,330 mg/kg	—
Caryophyllene	5,000 mg/kg	—
Citral	6,800 mg/kg	2,250 mg/kg
p-Mentha-1,4-diene	2,000 mg/kg (rat)	2,000 mg/kg (rat)
p-Mentha-1,3-diene	—	2,000 mg/kg

Endpoint	Result
Skin corrosion / irritation	Causes skin irritation
Serious eye damage / irritation	Causes serious eye irritation
Respiratory or skin sensitisation	Sensitising to the skin
Germ cell mutagenicity	Classification criteria not met
Carcinogenicity	Classification criteria not met. Not listed by IARC, OSHA, or NTP.
Reproductive toxicity	Classification criteria not met
STOT — single exposure	Classification criteria not met
STOT — repeated exposure	Classification criteria not met
Aspiration hazard	Toxic by aspiration — Category 1

Information on metabolism, toxicokinetics, likely routes of exposure, delayed effects and interactive effects is not available. The material contains no substance appearing on the principal European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12 — ECOLOGICAL INFORMATION

This material is hazardous to the environment and very toxic to aquatic organisms, with long-lasting negative effects on the aquatic environment.

Constituent	Endpoint	Result
(R)-p-Mentha-1,8-diene	LC50 fish (96 h)	0.72 mg/l
	EC10 algae / aquatic plants (72 h)	0.149 mg/l
	Chronic NOEC fish	37 mg/l
	Chronic NOEC crustacea	0.153 mg/l
Pin-2(3)-ene	LC50 fish (96 h), <i>Pimephales promelas</i>	0.28 mg/l
	Chronic NOEC algae / aquatic plants	0.131 mg/l
7-Methyl-3-methylenoocta-1,6-diene	EC50 crustacea (48 h)	147 mg/l
Linalyl acetate	LC50 fish (96 h)	116 mg/l
Geranyl acetate	LC50 fish (96 h)	68.12 mg/l
	EC50 crustacea (48 h)	32 mg/l
Citral	LC50 fish (96 h)	678 mg/l
p-Mentha-1,4-diene	LC50 fish (96 h)	2.792 mg/l
	EC50 crustacea (48 h)	10.189 mg/l
	EC50 algae / aquatic plants (72 h)	10.82 mg/l
p-Mentha-1,3-diene	LC50 fish (96 h)	3.15 mg/l
	EC50 crustacea (48 h)	1.7 mg/l
	EC50 algae / aquatic plants (72 h)	3.7 mg/l

Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility in soil	No information available.
PBT and vPvB assessment	The material contains no PBT or vPvB substance at or above 0.1%.
Endocrine disrupting properties	The material contains no substance appearing on the principal European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.
Other adverse effects	No information available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste material	Reuse where possible. Residues should be treated as hazardous waste and the hazard level of waste containing this material assessed against applicable regulations. Disposal must be carried out by an authorised waste management contractor in compliance with national, state and local regulations. Waste transport may be subject to dangerous goods restrictions.
Contaminated packaging	Contaminated packaging must be recovered or disposed of in compliance with waste management regulations. Do not reuse empty containers for other purposes.

SECTION 14 — TRANSPORT INFORMATION

This material is regulated as dangerous goods for transport by road, rail, sea and air.

Regulation	UN No.	Proper shipping name	Class	PG
ADR / RID	UN 1197	Extracts, liquid	3	III
IMDG	UN 1197	Extracts, liquid	3	III
IATA / ICAO TI	UN 1197	Extracts, liquid	3	III

Environmental hazards	ADR / RID: environmentally hazardous. IMDG: marine pollutant. IATA: no. For air transport the environmentally hazardous mark is mandatory only for UN 3077 and UN 3082.
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ADR / RID special precautions	Hazard identification number (Kemler) 30; special provision 601; limited quantity 5 L; tunnel restriction code (D/E).
IMDG special precautions	EmS F-E, S-D; limited quantity 5 L.
IATA special precautions	Cargo aircraft: maximum 220 L, packing instruction 366. Passenger aircraft: maximum 60 L, packing instruction 355. Special provision A3.
Maritime transport in bulk (IMO instruments)	Not relevant.

Before shipping — two items to resolve

The transport entries above are carried over from a European source document and cover ADR/RID, IMDG and IATA. The corresponding US DOT entry under 49 CFR 172.101 has not been verified and must be confirmed before this material is offered for domestic shipment. Separately, because the material is regulated for transport, a shipper must provide an emergency response telephone number meeting 49 CFR 172.604 — monitored at all times the shipment is in transit by a person with knowledge of the hazards. The Poison Help line given in Section 1 provides medical advice on human exposure and does not meet that requirement; a chemical emergency response contract is required.

SECTION 15 — REGULATORY INFORMATION

SARA 311/312 hazard categories	Flammable (physical hazard); acute health hazard; environmental hazard.
SARA 313	No components subject to reporting requirements.
Reportable quantity	None established.
TSCA	All components are listed on the TSCA inventory or are exempt.
California Proposition 65	This product does not contain a chemical known to the State of California to cause cancer or reproductive toxicity at a level requiring warning.
Chemical safety assessment	A chemical safety assessment has not been carried out for this substance.
IFRA	Bergamot oil is restricted under the IFRA Standards on account of phototoxicity. Consult the current IFRA Standard and the IFRA certificate supplied with this material for maximum use levels by product category.
EU / UK references retained from the source document	Seveso Directive 2012/18/EU category P5c-E1. REACH Annex XVII restriction entries 3, 40 (product) and 75 (contained substance). No substance on the REACH Candidate List at or above 0.1%; none subject to Annex XIV authorisation, to Regulation (EU) 649/2012 export notification, or to the Rotterdam or Stockholm Conventions.

SECTION 16 — OTHER INFORMATION

SDS number	VS-BERGAMOT-R10
Version	1.0
Revision date	17 August 2026
Supersedes	None — first issue
Prepared by	Regulatory Officer
Approved by	Regulatory Officer

Full text of hazard statements used in Sections 2 and 3

Code	Statement
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
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.

Code	Statement
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations

ATE — acute toxicity estimate. Asp. Tox. — aspiration hazard. CLP — Regulation (EC) 1272/2008. DNEL — derived no-effect level. EC50 — effective concentration, 50%. Flam. Liq. — flammable liquid. LC50 — lethal concentration, 50%. LD50 — lethal dose, 50%. NOEC — no observed effect concentration. PBT — persistent, bioaccumulative and toxic. PNEC — predicted no-effect concentration. REACH — Regulation (EC) 1907/2006. Repr. — reproductive toxicity. STOT SE — specific target organ toxicity, single exposure. TLV — threshold limit value. TWA — time-weighted average. vPvB — very persistent and very bioaccumulative.

Sources

This document was prepared from the manufacturer's safety data sheet for this material (revision 3, dated 6 September 2024, issued under Annex II to REACH, Regulation (EU) 2020/878) together with published regulatory data. It has been restructured to the 16-section format of 29 CFR 1910.1200 for a United States audience; the underlying classification is that of the source document under CLP.

Key to revisions

First issue under the Veriscents document system.

Disclaimer

The information in this safety data sheet was obtained from sources believed to be reliable and is provided without warranty, express or implied, as to its correctness or completeness. Because the use, handling, storage and disposal of this product are beyond the control of Veriscents, it is the responsibility of the user to determine safe conditions of use and to assume liability for loss, damage or expense arising from improper use. No warranty is created or inferred by any statement or omission in this document. Federal, state, provincial and local regulations concerning the transport, handling, storage, use or disposal of this product may not be reflected here; the user should review those regulations to ensure full compliance.

End of safety data sheet.