

01. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Product Name	Bergamot Calabrian
Biological Definition	Essential oil expressed from the fruit peel of Citrus bergamia Risso.
INCI Name	Citrus Aurantium Bergamia Peel Oil
Botanical Name	Citrus bergamia
Country of Origin	Italy
Product Use	Ingredient for professional fragrance, cosmetic and personal-care formulation. Evaluate finished-product suitability and phototoxic restrictions.
Synonyms and Trade Names	Bergamot Calabrian
Supplier	West Coast Aromatics
Supplier Address	2701 Conestoga Dr Unit 106, Carson City, NV 89706, USA
Telephone	775-387-3000
Emergency Phone	1-800-222-1222 (U.S. Poison Control - 24-Hour Medical Emergency Assistance).
CAS Number	89957-91-5
EC / EINECS Number	289-612-9
Additional identifier	8007-75-8 is also used for Bergamot oil; the product identity above is used consistently across WCA documents.
Lot Number	5057018

02. HAZARDS IDENTIFICATION



Emergency Overview	Flammable oil. Aspiration into the lungs can be fatal. Irritates skin and eyes and may cause an allergic skin reaction. Very toxic to aquatic life with lasting effects. Expressed oil may cause phototoxic reactions following skin exposure and UV light.
GHS Classification	Flammable Liquid Category 3; Aspiration Hazard Category 1; Skin Irritation Category 2; Skin Sensitization Category 1B; Eye Irritation Category 2; Aquatic Chronic Category 1 (provisional assessment).
Contains	Limonene, linalyl acetate, linalool and naturally occurring terpenes. Batch COA: limonene 42.0%, linalool 12.4%, linalyl acetate 28.1%.
Supplementary Precautionary Statements	Avoid ingestion, inhalation of mist and direct skin/eye contact. Assess phototoxic restrictions for formulations exposed to sunlight; this oil is not declared bergapten-free.
PBT or vPvB	A complete product-specific assessment is not available.
Hazard statement(s)	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 statement(s)	P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 – Keep container tightly closed. P240 – Ground and bond container and receiving equipment. P241 – Use explosion-proof electrical, ventilating and lighting equipment where required. P242 – Use non-sparking tools. P243 – Take action to prevent static discharges. P261 – Avoid breathing vapours or mist. P264 – Wash exposed skin thoroughly after handling. P272 – Contaminated work clothing should not be allowed out of the workplace. P273 – Avoid release to the environment. P280 – Wear protective gloves, protective clothing and eye/face protection. P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor. P331 – Do NOT induce vomiting. P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. 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. P332+P313 – If skin irritation occurs: Get medical advice/attention. P333+P313 – If skin irritation or rash occurs: Get medical advice/attention. P337+P313 – If eye irritation persists: Get medical advice/attention. P362+P364 – Take off contaminated clothing and wash it before reuse. P370+P378 – In case of fire: Use dry powder, carbon dioxide or foam to extinguish. P391 – Collect spillage. P403+P235 – Store in a well-ventilated place. Keep cool. P405 – Store locked up. P501 – Dispose of contents/container in accordance with applicable regulations.
Signal Word	DANGER
GHS Pictograms	GHS02 Flame; GHS07 Exclamation Mark; GHS08 Health Hazard; GHS09 Environment.
Assessment Status	The safety reference lists Aquatic Chronic Categories 1 and 3 together. Category 1 and H410 are retained provisionally as the more protective assessment; the duplicate H412 entry is not used. Classification confirmation is required.

03. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS	EC	Concentration	Classification	Principal constituents	Reference constituent ranges
Citrus Aurantium Bergamia Peel Oil	89957-91-5	289-612-9	Undiluted botanical essential oil; naturally occurring mixture.	See Section 2.	Linked lot COA: limonene 42.0%; linalool 12.4%; linalyl acetate 28.1%.	Safety reference: d-limonene (5989-27-5) 40–50%; linalyl acetate (115-95-7) 25–30%; linalool (78-70-6) 10–12.5%; gamma-terpinene (99-85-4) 5–7%; beta-pinene (127-91-3) 3–5%. These are reference ranges, not a complete assay of this lot.

04. FIRST AID MEASURES

General Information	Remove from exposure. Obtain medical help after significant exposure or persistent symptoms; show this SDS.
Inhalation	Move to fresh air, keep warm and at rest. Seek medical attention if symptoms continue.
Ingestion	Immediately call Poison Control or a doctor. Do not induce vomiting because of aspiration risk. Do not give anything by mouth to an unconscious person.
Skin Contact	Remove contaminated clothing and wash thoroughly with soap and water. Seek medical advice for irritation or rash. Avoid UV exposure of contaminated skin.
Eye Contact	Rinse gently with clean water for at least 15 minutes. Remove contact lenses if easy. Obtain medical advice for persistent irritation.

05. FIRE FIGHTING MEASURES

Extinguishing Media	Dry powder, carbon dioxide or foam.
Unsuitable Extinguishing Media	Do not use a direct water jet on burning oil.
Special Fire Fighting Procedures	Cool exposed containers with water spray and contain contaminated firefighting runoff.
Specific Hazards	Flammable vapours and irritating combustion gases may develop.
Protective Measures in Fire	Use self-contained breathing apparatus and suitable protective clothing.
Hazardous Decomposition Products	Carbon oxides and other irritating products of combustion.

06. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Remove ignition sources, ventilate and keep unnecessary people away. Avoid mist inhalation and skin/eye contact; wear suitable protection.
Environmental Precautions	Prevent entry into drains, soil and waterways. Notify authorities if a release threatens water or the environment.
Spill Clean Up Methods	Collect with inert absorbent such as sand or vermiculite and place in suitable closed waste containers.
Containment Methods	Contain the spill at its source where safe; prevent spreading and collect contaminated cleanup materials.

07. HANDLING AND STORAGE

Usage Precautions	Handle with ventilation and suitable protection. Avoid direct contact and ignition sources. Ground/bond bulk transfers and prevent static discharge. Do not eat, drink or smoke while handling.
Storage Precautions	Store tightly closed in a cool, dry, ventilated area protected from sunlight, heat and ignition sources; preferably below 20 °C.

08. EXPOSURE CONTROLS / PERSONAL PROTECTION



Engineering Measures	Provide adequate ventilation and local exhaust where vapour or mist may accumulate. Keep eyewash facilities available.
Respiratory Equipment	Where ventilation does not control exposure, use an appropriate approved respirator selected for the operation.
Hand Protection	Wear chemical-resistant protective gloves selected for contact time and breakthrough data.
Eye Protection	Wear safety goggles; add face protection where splashing is possible.
Other Protection	Wear protective clothing appropriate to the operation.
Hygiene Measures	Wash after handling. Remove contaminated clothing and launder before reuse.
Exposure limits	No whole-oil occupational exposure limit is established in the available records. Assess applicable constituent limits; unassigned reference DNEL values are not occupational limits.

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light yellowish green to yellowish brown liquid
Color	Light yellowish green to yellowish brown
Odor	Fragrant, sweet-fruity odor
Boiling Point	170 °C (reference value; not batch tested).
Flash Point	57 °C (reference value; test method not stated).
Relative Density	0.868–0.885 @ 20 °C (batch specification).
Specific Gravity	0.876 @ 20 °C (batch COA result).
Solubility in Water	Insoluble.
Solubility Other	Soluble in alcohol and oils.
Refractive Index	1.467 @ 20 °C (batch result; specification 1.462–1.475).
Optical Rotation	+30.8° @ 20 °C (batch result; specification +15° to +40°).
Melting / Freezing Point	–30 °C (reference value).
Vapour Pressure	123.1 Pa @ 25 °C (reference value).
Auto-ignition Temperature	235 °C @ 1018.9 hPa (reference value).

10. STABILITY AND REACTIVITY

Reactivity	Avoid contact with strong oxidizing materials.
Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Oxidizing agents and strong mineral acids may cause hazardous reactions.
Conditions to Avoid	Heat, sparks, flames, prolonged sunlight and unsuitable storage.
Material to Avoid	Strong oxidizing agents and strong mineral acids.
Hazardous Decomposition Products	Carbon oxides and irritating combustion products when heated or burned.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Available reference toxicology is not a batch safety test. Aspiration is a principal hazard.
Skin corrosion / irritation	Causes skin irritation. Expressed Bergamot may also be phototoxic in combination with UV exposure.
Serious eye damage / irritation	Causes serious eye irritation.
Respiratory or skin sensitization	May cause an allergic skin reaction. Respiratory sensitization is not established in the available product record.
Carcinogenicity	No whole-oil carcinogenicity conclusion is established; evaluate constituent-specific information.
Chronic Toxicity	Repeated exposure may aggravate skin effects; complete product-specific chronic testing is unavailable.
Oral LD50	Reference reports 10,000 mg/kg in rats; older data with limited method information. Not a WCA batch result.
Inhalation LD50	No reliable inhalation endpoint available; the reference uses inconsistent route, units and method information.
Dermal LD50	Reference reports >20,000 mg/kg in rabbits; limited method information.
Aspiration Hazard	May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Provisional Aquatic Chronic Category 1: very toxic to aquatic life with long lasting effects. Reference reports Daphnia EL50 33 mg/L (48 h) and fish LL50 18 mg/L (96 h); these are not batch measurements.
Mobility	Water-insoluble oil may spread over surfaces; product-specific mobility data unavailable.
Persistence and Biodegradability	Reference reports >95% biodegradation based on composition using modified OECD 301B; no batch test report is supplied.
Bioaccumulation Potential	Complete whole-oil assessment unavailable.
PBT Assessment Results	Complete product-specific PBT/vPvB assessment unavailable.
Precautions	Do not discharge into the environment; contain spills and collect waste.

13. DISPOSAL CONSIDERATIONS

Disposal Methods	Dispose of oil, contaminated absorbent and containers through an authorized waste service according to applicable regulations. Do not release into drains or waterways.
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14. TRANSPORT INFORMATION

Proper Shipping Name	EXTRACTS, LIQUID
UN Number Road	UN1197
UN Number Sea	UN1197
UN Number Air	UN1197
Transport Hazard Class	3
Packing Group	III
Environmental Hazards	Environmentally hazardous based on the provisional chronic aquatic classification. Confirm marine-pollutant assignment and applicable packaging requirements before shipment.
Special Precautions	Keep containers tightly closed and secured; protect from heat and ignition sources. A qualified transport emergency contact is required where applicable.
Transport Assessment	Assignment follows the current product safety reference. Shipment-specific modal, quantity and packaging requirements must be checked.

15. REGULATORY INFORMATION

EU Directives	Apply relevant REACH/CLP and cosmetic requirements. Expressed Bergamot and fragrance-allergen restrictions require finished-product assessment.
US Federal Regulations	Apply OSHA Hazard Communication and relevant inventory, environmental and transport requirements.
California Proposition 65	Beta-myrcene is listed for cancer. The representative profile reports beta-myrcene 0.99%; this is not a batch concentration or a determination that a warning is required. Evaluate applicable exposure.
Canada Regulations	Apply relevant WHMIS, inventory and transport requirements.
Statutory Instruments	Follow applicable national and regional chemical handling, labelling and transport rules.
Approved Code of Practice	Use applicable workplace chemical safety and flammable-liquid storage practices.
Guidance Notes	Phototoxicity must be assessed for skin applications exposed to UV. Do not treat this oil as furocoumarin-free.

16. OTHER INFORMATION

Revision Date	November 17, 2025
Risk Phrases in Full	Legacy EU risk phrases are superseded by the hazard statements below.
Hazard Statements in Full	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.
Other Information	Physical and hazard information combines the linked lot COA and product safety references. GC-MS is representative, not a test of this lot.
Other Classification	Aquatic Chronic Category 1 is provisional because the reference also lists Category 3; confirmation remains necessary.
Version	5.6
Disclaimer and Caution	Please refer to all relevant technical information specific to the product prior to use. The information contained in this document is obtained from current and reliable sources and is provided to the best of our knowledge. West Coast Aromatics provides the information contained herein but makes no representation as to its comprehensiveness or accuracy for every customer application. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products.