



SAFETY DATA SHEET (SDS)

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

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product Identifier

Product Name: Bergamot Essential Oil

Botanical Name: *Citrus bergamia* Risso & Poit.

Common Name: Bergamot Essential Oil (Calabria)

INCI Name: *Citrus Aurantium Bergamia* Peel Oil

CAS Number: 89957-91-5

Product Type: Natural Essential Oil

Extraction Method: Cold Expression (Cold Pressed)

Plant Part: Fresh Fruit Peel

Country of Origin: Calabria, Italy

1.2 Relevant Identified Uses

- Fragrance ingredient
- Perfumery raw material
- Cosmetic ingredient
- Flavour ingredient
- For professional use only

1.3 Supplier

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai
United Arab Emirates



Website: www.aromology.com

Email: info@aromology.com

1.4 Emergency Telephone

Refer to the local Poison Centre or emergency medical services.

SECTION 2: HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No. 1272/2008 (CLP)

- Flammable Liquid – Category 3 (H226)
- Aspiration Hazard – Category 1 (H304)
- Skin Irritation – Category 2 (H315)
- Skin Sensitisation – Category 1 (H317)
- Eye Irritation – Category 2 (H319)
- Hazardous to the Aquatic Environment (Chronic) – Category 2 (H411)

For cold-pressed bergamot oil, phototoxicity due to naturally occurring furanocoumarins (including bergapten) must also be considered during formulation.

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.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P210 Keep away from heat, sparks, open flames and hot surfaces.

P233 Keep container tightly closed.

P261 Avoid breathing vapours.



P273 Avoid release to the environment.

P280 Wear protective gloves and eye protection.

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

P331 Do NOT induce vomiting.

P391 Collect spillage.

P501 Dispose of contents/container according to local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	Information
Substance	Bergamot Essential Oil Calabria Premium
Botanical Name	<i>Citrus bergamia</i> Risso & Poit.
INCI Name	<i>Citrus Aurantium Bergamia</i> Peel Oil
CAS Number	8007-75-8 / 68648-33-9
EC Number	616-915-9 / 614-687-5
Concentration	100%

Typical naturally occurring constituents include:

- Limonene
- Linalyl Acetate
- Linalool
- β -Pinene
- γ -Terpinene
- Myrcene
- Bergapten (cold-pressed oil)

Typical composition: Limonene ~30–45%, Linalyl Acetate ~22–36%, Linalool ~3–15%.

SECTION 4: FIRST AID MEASURES

Inhalation

Move the affected person to fresh air.



Seek medical advice if symptoms persist.

Skin Contact

Remove contaminated clothing.

Wash thoroughly with soap and water.

Seek medical advice if irritation or sensitisation develops.

Eye Contact

Rinse cautiously with water for at least 15 minutes.

Seek medical attention if irritation persists.

Ingestion

Do **NOT** induce vomiting.

Immediately contact a physician or poison centre.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:

- Carbon dioxide
- Dry chemical powder
- Alcohol-resistant foam
- Water spray

Unsuitable extinguishing media:

- Direct water jet

Hazardous combustion products:

- Carbon monoxide
- Carbon dioxide

Firefighters should wear self-contained breathing apparatus.



SECTION 6: ACCIDENTAL RELEASE MEASURES

Avoid contact with skin and eyes.

Provide adequate ventilation.

Remove ignition sources.

Prevent entry into drains and waterways.

Absorb with inert absorbent material and dispose of according to local regulations.

SECTION 7: HANDLING AND STORAGE

Store in tightly closed original containers.

Protect from:

- Heat
- Direct sunlight
- Sources of ignition
- Strong oxidising agents

Store in a cool, dry and well-ventilated area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Provide adequate ventilation.

Eye Protection

Chemical safety goggles.

Hand Protection

Chemical-resistant gloves.

Respiratory Protection



Organic vapour respirator where ventilation is inadequate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear mobile liquid
Colour	Greenish-yellow to yellow
Odour	Fresh, citrus, sweet, fruity, floral
Physical State	Liquid
Relative Density (20 °C)	0.875 – 0.883
Refractive Index (20 °C)	1.4640 – 1.4690
Optical Rotation (20 °C)	+15° to +34°
Flash Point	58–65 °C
Solubility	Insoluble in water; soluble in ethanol and fixed oils

These analytical values are consistent with reference specifications for genuine Calabrian bergamot oil.

SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:

- Heat
- Open flames
- Strong oxidising agents

Hazardous decomposition products:

- Carbon monoxide
 - Carbon dioxide.
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SECTION 11: TOXICOLOGICAL INFORMATION

Routes of exposure:



- Skin
- Eyes
- Inhalation
- Ingestion

May cause:

- Skin irritation
- Eye irritation
- Allergic skin reaction
- Aspiration hazard if swallowed.

Cold-pressed bergamot oil naturally contains **bergapten** and other furanocoumarins which may cause **phototoxic reactions** following skin exposure and subsequent UV exposure.

SECTION 12: ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.

Avoid uncontrolled release into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product and packaging in accordance with local, regional and national regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number: UN 1169

Proper Shipping Name: Extracts, Aromatic, Liquid

ADR/RID: Class 3

IMDG: Class 3

IATA: Class 3



Packing Group: III

SECTION 15: REGULATORY INFORMATION

Botanical Name: *Citrus bergamia* Risso & Poit.

INCI Name: *Citrus Aurantium Bergamia* Peel Oil

CAS Number: 89957-91-5

Intended Use: Fragrance ingredient and perfumery raw material.

SECTION 16: OTHER INFORMATION

This Safety Data Sheet has been prepared using verified supplier Safety Data Sheets and published technical information for Calabrian Bergamot Essential Oil.

The identifiers used are:

- **CAS:** 8007-75-8 / 68648-33-9
- **EC:** 616-915-9 / 614-687-5

This document applies to the cold-pressed (non-FCF) Bergamot Essential Oil obtained from the peel of *Citrus bergamia* grown in Calabria, Italy. Formulators should consider the presence of naturally occurring furanocoumarins when evaluating phototoxicity and IFRA compliance.

Authorized by

Fozia Khot
Director
Aromology Trading LLC