



# **Bee Beautiful**

## **Bergamot Essential Oil**

### **Material Safety Data Sheet**

#### **Product Name**

Bergamot Essential Oil

#### **Supplier**

Bee Beautiful Ltd  
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#### **Composition/Ingredients Information**

**Definition:** Obtained by pressing the peels of the unripe fruits of *Citrus aurantium* L. subsp. *Bergamia* (Risso et Poit), followed by rectification, to produce an oil that is free from uranocoumarins.

**CAS number:** 8007-75-8.

**EINECS number:** 89957-91-5.

**EC No.:** 289-612-9.

**Status:** Natural.

**INCI:** *Citrus aurantium Bergamia* (Bergamot) Fruit Oil.

**Application:** aromatherapy, skincare etc.

#### **Hazard Identification**

R10 flammable.  
Xi irritant.

#### **First Aid Measures**

**Inhalation:** Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

**Eye exposure:** Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

**Skin exposure:** Remove contaminated clothes. Wash thoroughly with soap and water.



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Contact physician if irritation persists.

**Ingestion:** Rinse mouth with water and obtain medical attention.

**Other:** When assessing action take Risk and Safety Phrases into account.

### Fire-Fighting Measures

**Extinguishing media:** carbon dioxide, dry chemical, foam.

**Unsuitable extinguishers:** water jet.

**Protective clothing:** fire fighters should wear protective clothing and approved respirator.

**Hazards:** avoid inhalation of fumes.

### Accidental Release Measures

**Personal precautions:** Avoid inhalation and direct contact with skin and eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

**Spillage:** Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillage should be contained immediately by use of sand or inert powder and disposed of according to local regulations.

**Environmental precautions:** Keep away from drains, surface and ground water, and soil.

### Handling and Storage

**Precautions in handling:** Apply good manufacturing practice and industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

**Storage conditions:** Store in tightly closed original container, in a cool, dry and ventilated area away from heat sources and protected from light. Keep air contact to a minimum. Avoid plastic uncoated metal containers.

**Fire protection:** Keep away from ignition sources and naked flames.

### Exposure Control/Personal Protection

**Respiratory protection:** Avoid breathing concentrated product vapour.



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**Ventilation:** Ensure good ventilation of working area.

**Skin protection:** Avoid skin contact. Use chemically resistant gloves as needed.

**Eye protection:** Use safety glasses.

### Physical and Chemical Properties

**Odour:** Pleasant fresh fruity.

**Colour:** Green to greenish yellow, sometimes with a deposit.

**Appearance:** Mobile liquid.

**Specific gravity @ 20 deg. C:** 0.870-0.888

**Refractive index @ 20 deg. C:** 1.460-1.469

**Flash point:** 52-59 deg. C.

### Stability/Reactivity

**Reactivity:** It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.

**Decomposition:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

### Toxicological Information

Not a skin sensitiser. Opdyke DJ (1979) explained the phototoxic effects of Bergamot Oil were due to furanocoumarin content (FCT 11, 1031). LD50 Oral: Rat>5/kg

### Ecological Information

**Biodegradability:** N/a

**Precautions:** Prevent contamination of soil, ground and surface water.

### Disposal Consideration

Avoid disposing into drainage systems and into the environment. Seek expert advice. Observe specific local regulations.



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### Transport Information

UN 1993: applies.

Road (ADR/RID): Class 3 item 31c

Air (IATA): Class 3 packaging GP III

SEA(IMDG): Code page 3142 3036-1, Class 3.3

CHIP: see next section.

### Regulatory Information according to Directive 88/379/EEC

Classification packaging/labelling (directive 1999/45/EC)

**Hazard symbol:** Xi, irritant.

**Risk phrases:** R10 flammable liquid.

R36/38, irritating to eyes and skin.

**Safety phrases:** S24/25 avoid contact with eyes and skin.

S16, keep away from sources of ignition; no smoking.

### Other Information

Cosmetics Directive 7th Amendment: restrictions may apply. A source of Citral, Limonene and Linalool, listed as sensitizers. Check maximum usage levels for skin care products.

Packaging: glass, lacquer lined steel/tin, aluminium and F/HDPE.

### Shelf Life

Maximum 36 months when stored within advised conditions from date of manufacture.

### Allergens

	%
Citral	0.4
Limonene	40.0
Linalool	40.0

Usage in finished leave on products: 0.001%

Usage in finished rinse off products: 0.01%

This information relates only to the specific product designated and may not be valid for such product used in combination with any other materials or processes. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the



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suitability of such information for their own particular use.