

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Bergamot Essential Oil (Calabrian)
Botanical name	:	Citrus bergamia risso
INCI name	:	Citrus Aurantium Bergamia Peel Oil
CAS #	:	89957-91-5
Country of Origin	:	Italy
EINECS #	:	289-612-9
Product use	:	Domestic and Industrial
Supplier	:	New Directions Aromatics Inc.
Address	:	6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Fax	:	905-362-1926
Telephone number	:	905-362-1915
Emergency phone number	:	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

### GHS Classification

Flammable liquids - Category 3

Aspiration Hazard - Category 1

Skin corrosion/irritation - Category 2

Skin Sensitization - Category 1

Eye irritation - Category 2

Hazardous to the aquatic environment - Acute Hazard - Category 1

Hazardous to the aquatic environment - Chronic Hazard - Category 2

### GHS Label elements, including precautionary statements



Signal: Danger

### 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.
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H411	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/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating, lighting, communication, equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust, fumes, gas, mist, vapours, spray.
P264	Wash ... 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/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing.
P370+P378	In case of fire: Use CO2 foam, dry chemical for extinction.
P391	Collect spillage.
P403+P235	Store in a well ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents and/or container in accordance with local, regional, national and/or international regulation for hazardous wastes.

### 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
D-Limonene	5989-27-5	227-813-5	≤45 %
α-Pinene	80-56-8	201-291-9	<2.0%
Myrcene	123-35-3	204-622-5	<2.5%
β-Pinene	127-91-3	204-872-5	<13.0%
Linalool	78-70-6	201-134-4	<15.0%

### 4. FIRST AID MEASURES

**Eye contact**

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

**Skin contact**

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

**Inhalation**

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

**Ingestion**

Seek medical attention or contact local poison control center.

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**5. FIRE FIGHTING MEASURES****Suitable extinguishing media**

Foam. Dry Powder. Carbon dioxide.

**Unsuitable extinguishing media**

Water spray, water jet.

**Special protective equipment and precautions for fire-fighters**

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

**Resulting gases**

Carbon Monoxide, Carbon Dioxide.

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures.**

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

**Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

**Methods and materials for containment and cleaning up**

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

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**7. HANDLING AND STORAGE****Precautions for safe handling**

Apply good manufacturing practices and industrial hygiene practice, ensuring proper workplace ventilation. Keep original container closed. Avoid contact with skin and eyes. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Keep away from heat, sparks and open flame. Avoid exposing to high temperatures during processing.

**Conditions for safe storage, including any incompatibilities**

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

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**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure controls**

These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions.

**Eyes**

Use tightly sealed goggles.

**Skin**

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

### **Respiratory**

In case of insufficient ventilation, wear suitable respiratory equipment.

### **Ingestion**

Not for ingestion.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance	:	Light yellowish green to yellowish brown liquid.
Odor	:	Fragrant sweet-fruity odor.
Flash point	:	56°C
Vapor pressure	:	0.95 mm Hg @ 25 °C
Relative density	:	0.84 to 0.87 @ 25 °C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.4600 to 1.4800 @ 20°C
Optical rotation	:	+15° to +40° @ 20°C

## **10. STABILITY AND REACTIVITY**

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### **Reactivity**

This material presents no significant reactivity hazard.

### **Chemical stability**

Chemically stable.

### **Possibility of hazardous reactions**

Hazardous polymerization will not occur.

### **Conditions to avoid**

Avoid sparks, flame and other heat sources.

### **Incompatible materials**

Strong oxidizing agents.

### **Hazardous decomposition products**

Carbon Oxides.

## **11. TOXICOLOGICAL INFORMATION**

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### **Acute toxicity**

Not available.

### **Carcinogenicity**

None of the components of this material are listed as a carcinogen.

### **Chronic toxicity**

May cause allergic reactions on skin.

### **Reproductive toxicity**

No adverse effects on reproduction are known.

### **Inhalation**

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

### **Skin contact**

Adverse skin effects should be prevented by normal care and personal hygiene.

**Ingestion**

Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting

**Repeated exposure**

Repeated or prolonged contact may cause redness, irritation and scaling of skin (Dermatitis).

**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity**

Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

**13. DISPOSAL CONSIDERATION**

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Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

**14. TRANSPORT INFORMATION**

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**UN Number**

1197

**UN proper shipping name**

Extracts, liquid

**Transport hazard class**

3

**Packing group**

III

**US DOT Shipping Description (Land)**

1197

**Proper shipping name**

Extracts, liquid

**Class**

3

**Packaging group**

III

**IMO-IMDG Shipping Description (Sea)**

1197

**Proper shipping name**

Extracts, liquid

**Class**

3

**Packaging group**

III

**IATA Shipping Description (Air)**

1197

**Proper shipping name**

Extracts, liquid

**Class**

3

**Packaging group**

III

**15. REGULATORY INFORMATION**

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**California Proposition 65**

- this product can expose you to beta-Myrcene, which is known to the state of California to cause cancer. for more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

**GHS Hazard Statements**

Please refer to section 2.

**GHS Precautionary Statements**

Please refer to section 2.

**16. OTHER INFORMATION**

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Revision date : February 28 ,2023

**Disclaimer & Caution**

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