

## MSDS SHEET

### 1. Identification of Substance/Preparation & Company

**PRODUCT NAME:** Lemon Essential Oil

**BOTANICAL NAME/INCI** Citrus limon (L) Burm.

**PRODUCT USE:** Aromatherapy/Cosmetic/Industrial

**ORIGIN:** Italy

**SUPPLIER:** Botanic Planet Canada Inc. 2 Bram Ct, Unit # 3-4 Brampton Ontario L6W 3R6 Canada

**CAS Number:** 84929-31-7

**Phone / Fax:** 905-455-4444 / 905-455-8841

**Emergency Tel No:** (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

### 2. Hazards Identification

#### GHS Classification

Flammable Liquid - Category 3

Aspiration toxicity - Category 1

Skin corrosion/irritation - Category 2

Skin Sensitization - Category 1B

Hazardous to aquatic environment, Chronic - Category 1

**GHS Label elements, including precautionary statements**



Signal: Danger

#### Hazard statement(s)

H226 Flammable liquid and vapor

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H411 Very toxic to aquatic life with long lasting effects

#### Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.

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 or doctor/physician.  
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.  
P337+P313 If eye irritation persists get medical advice/attention.  
P370 In case of fire: Use extinguishing media listed in Section 5 of the SDS to extinguish.  
P402+P404 Store in a dry place. Store in a closed container.  
P501 Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes.

### 3. Composition / Information on Ingredients

Product Name	CAS NO	EC NO	Concentration
Citrus Limon Peel Oil	84929-31-7	284-515-8	100 %

### 4. First-Aid Measure

**INHALATION:** Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.  
**EYE CONTACT:** Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.  
**SKIN CONTACT:** Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.  
**INGESTION:** Rinse out mouth with water. Seek medical advice immediately.  
**OTHER:** When assessing action take Risk & Safety Phrases into account (Section 15).

### 5. Fire Fighting Measures

**EXTINGUISHING MEDIA:** Use CO<sub>2</sub>, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.  
**SPECIAL MEASURES:** Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.  
**EXTINGUISHING PROCEDURES:** Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

### 6. Accidental Release Measures

**PERSONAL PRECAUTIONS:** Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (Safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.  
**ENVIRONMENT PRECAUTIONS:** Keep away from drains, soils, surface & ground waters.  
**CLEAN UP METHODS** Remove all potential ignition sources. Contain spilled material. Cover with an inert or  
**FOR SPILLAGES:** non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe municipal, federal and local disposal regulations.

### 7. Handling & Storage

**PRECAUTIONS IN HANDLING:** Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene. Do not eat, drink or smoke whilst handling.  
**STORAGE CONDITIONS:** Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

**FIRE PROTECTION:** Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

## 8. Exposure Controls/Personal Protection

**RESPIRATORY PROTECTION:** Avoid breathing product vapour. Apply local ventilation where possible.

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

**HAND PROTECTION:** Avoid all skin contact. Use chemically resistant gloves if required.

**EYE PROTECTION:** Use safety glasses.

**WORK / HYGIENE PRACTICES:** Wash hands with soap & water after handling.

## 9. Physical & Chemical Properties

**Appearance:** Light yellow to dark green. Complies

**Odor:** Sweet fresh pleasant reminiscent of the ripe peel of the fruit. Complies

**Solubility:** Soluble in alcohols and oils. Insoluble in water. Complies

**Specific Gravity:** 0.850 to 0.858 @ 20°C 0.853

**Optical Rotation:** +57° to +66° @ 20°C +61.9°

**Refractive Index:** 1.473 to 1.476 @ 20°C 1.474

**Limonene:** 60 - 68 % 65.7

**β-Pinene:** 10 - 16.5 % 13.4

**γ-terpinene:** 8 - 12 % 8.7

**Neral:** 0.6 - 1.2 % 1.0

**Geranial:** 0.8 - 2.0 % 1.9

## 10. Stability & Reactivity

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

**DECOMPOSITION:** Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

## 11. Toxicological Information

May be irritation to skin.

## 12. Ecological Information

**BIODEGRADABILITY:** Data not available

**PRECAUTIONS:** Prevent surface contamination of soil, ground & surface water.

## 13. Disposal Considerations

Avoid disposing to drainage systems and into the environment. Seek expert advice.

## 14. Transport Regulations

ROAD (ADR/RID): n/a

AIR (IATA/ICAO): n/a

SEA (IMDG): n/a

CHIP: See section 15

## 15. Regulatory Information According to Directive 88/379/EEC

HAZARDS: n/a

SYMBOLS: n/a

RISK PHRASES: n/a

SAFETY PHRASES: n/a

## 16. Other Information



**Shelf life of this product depends very much on storage conditions, particularly moisture, temperature, exposure to light and air.**

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**Botanic Planet**  
Your Supplier for Essential Oils & Botanicals Canada Inc.

## CERTIFICATE OF ANALYSIS

**Product Name:** Lemon Essential Oil

**INCI:** Citrus limon (L) Burm.

**Lot No.** BPCLEOI102023

**Expiry:** October 2028

**Origin:** Italy

### Properties

### Specifications

### Results

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of the ripe peel of the fruit. Complies

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Geranial: 0.8 - 2.0 % 1.9

For longer shelf life keep it away from direct light, heat and moisture

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