

MSDS

1. PRODUCT & COMPANY INFORMATION

❖ Product name	Lemon Essential Oil
❖ INCI name	Citrus limon (L.) Burm
❖ Country of Origin	ITALY
❖ CAS NO.	84929-31-7
❖ Product use	Aromatherapy and Cosmetic
❖ Supplier	BOTANIC PLANET CANADA INC.
❖ Address	2 Bram Crt Unit # 3 & 4 Brampton Ontario
❖ Telephone number	905.455.4444
❖ Emergency phone number	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Acute Toxicity - Oral - Category 4

Eye Irritation - Category 2A

Skin Sensitization - Category 1

Acute Toxicity - Inhalation - Category 4

GHS Label elements, including precautionary statements

Signal: Warning

Hazard statement(s)

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

Precautionary statement(s)

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

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

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P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor/if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P312 Call a POISON CENTER/ doctor/if you feel unwell.

P321 Specific treatment (see section 4 on this label).
 P330 Rinse mouth.
 P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists get medical advice/attention.
 P363 Wash contaminated clothing before reuse.
 P501 Dispose of contents/container according to local regulations.

3. COMPOSITION / INFORMATION INGREDIENTS

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

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.

5. FIRE FIGHTING MEASURES

❖ Suitable extinguishing media
Foam. Dry Powder. Carbon dioxide.
❖ Special protective equipment and precautions for fire-fighters
Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog
❖ Special hazards arising from the substance or its combustible products
Hazardous decomposition products may be formed at extreme heat or if burned.
❖ Resulting gases
Carbon dioxide

6. ACCIDENTAL RELEASE MEASURES

❖ Personal precautions, protective equipment and procedures:
Ensure adequate ventilation. Use chemical safety goggles for eye/face protection.
❖ Environmental Precautions:
Non-hazardous, but avoid direct releases to the environment.
❖ Containment Equipment and Procedures:
Non-hazardous, but avoid direct releases to the environment.
❖ Clean-up Procedures:
Pick up with absorbent material and collect for disposal.

7. HANDLING AND STORAGE

❖ Precautions for safe handling:

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other Exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

❖ **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.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls Use exhaust ventilation, if required, to maintain dust concentration.

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.

9. PHYSICAL AND 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 AND REACTIVITY

❖ Reactivity	This material presents no significant reactivity hazard.
❖ Chemical stability	The oil is stable under normal storage conditions. After opening, the oil is prone to air oxidation and may start to deteriorate after six months.
❖ 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

Acute toxicity	Not available.
Carcinogenicity	None of the components of this material are listed as a carcinogen.

Inhalation	Inhalation of high concentrations of vapour may result in irritation of eyes, nose and throat, headache, nausea, & dizziness.
Skin contact	Non toxic
Eye contact	Not available.
Single exposure	People allergic to the flower family may experience irritation.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATION

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

❖ US DOT Shipping Description (Land)	Not regulated.
❖ IMO-IMDG Shipping Description (Sea)	Not regulated.
❖ IATA Shipping Description (Air)	Not regulated.

15. REGULATORY INFORMATION

❖ None

16. OTHER INFORMATION

Date Created January 17 st , 2020
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Disclaimer & Caution

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CERTIFICATE OF ANALYSIS

Product: Lemon Essential Oil

Botanic Name: Citrus limon (L) Burm.

Lot No: FELMN2020-12

Best Before: December 2023

Origin: Italy

Store in an air tight container; in a cool dry area; away from direct sunlight.

Properties Specifications Results

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

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