

MSDS

1. PRODUCT & COMPANY INFORMATION

Product name	Lime Essential Oil Organic
INCI name	Citrus Aurantifolia
Country of Origin	Sri Lanka
CAS NO.	8008-26-2/90063-52-8
Product Use	Cosmetic
EINECS #	290-010-3
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

Flammable Liquids - Category 3

Skin Corrosion/Irritation - Category 2

Aspiration hazard - Category 1

Carcinogenicity - Category 2

Hazardous to the aquatic environment (chronic) - Category 4

Skin sensitization - Category 1

GHS Label elements, including precautionary statements



Hazard statement(s)

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H304 May be fatal if swallowed and enters airways

H317 May cause an allergic skin reaction

H351 Suspected of causing cancer

H413 May cause long-lasting harmful effects to aquatic life

Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground/bond container and receiving equipment.

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.
 P264 Wash hands 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.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P391 Collect spillage.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
 P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
 P370+P378 In case of fire: Use extinguishing media listed in Section 5 of the SDS to extinguish.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes.
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P233 Keep container tightly closed.
 P321 Specific treatment (see ... on this label).
 P331 Do NOT induce vomiting.
 P363 Wash contaminated clothing before reuse.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P308+P313 If exposed: Call a POISON CENTER or doctor/physician.
 P332+P313 If skin irritation occurs: Get medical advice/attention.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
alpha-Pinene - -----			1.00 to 2.50 %
beta-Pinene - -----			0.50 to 3.00 %
Myracene - -----			1.00 to 5.00 %
Limonene - -----			45.0 to 52.0 %
gammaTerpinene - -----			10.50 to 11.50 %
Terpinolene - -----			7.00 to 11.0 %
alpha-Terpineol - -----			6.00 to 9.00 %
Sabinene - -----			0.20 to 0.40 %
beta-Bisabolene - -----			0.60 to 2.50 %

NOTE: No known ingredient of this product is classified hazardous. However, vegetable oil (in mist form) is known to be listed as an OSHA 29 CFR 1910.1000 Air Contaminant. Occupational exposure limits are subsequently provided in section 8 of this SDS

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: Colorless to yellow clear liquid.

Odor: Characteristic lime odor with camphoraceous note.

Initial b.p and boiling range: 182°C @ 760.00 mmHg

Flash point: 45.56 °C

Vapor pressure: 0.8000 mmHg @ 25 °C

Relative density: 0.8510 to 0.8800 @ 20 °C

Solubility: Insoluble in water.

Refractive index: 1.4600 to 1.4900 @ 20°C

Optical rotation: +1.0° to +60.0° @ 20°C

10. STABILITY AND REACTIVITY

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

Acute toxicity	Oral LD ₅₀ rat: 5000 mg/Kg, Dermal LD ₅₀ rabbit: 2500mg/Kg.
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.

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 February 27st, 2020

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CERTIFICATE OF ANALYSIS

LIME ESSENTIAL OIL ORGANIC

Product name: Lime Essential Oil Organic

INCI name: Citrus Aurantifolia

CAS #: 8008-26-2/90063-52-8

Country of Origin: Sri Lanka

Lot No: LEO011112020

Best Before: February, 2024

Properties

Specifications

Results

Appearance: Colorless to pale yellow liquid. Complies
Odor: Characteristic lime odor with camphoraceous note. Complies

Solubility: Insoluble in water. Complies

Specific Gravity: 0.8500 to 0.8800 @ 20°C 0.8612

Refractive Index: 1.4600 to 1.4900 @ 20°C 1.4738

Optical Rotation: +1.0° to +60° @ 20°C +39.49°

Limonene: 45 - 52 % 47.50 %

γ-Terpinolene: 10 - 15 % 11.82 %

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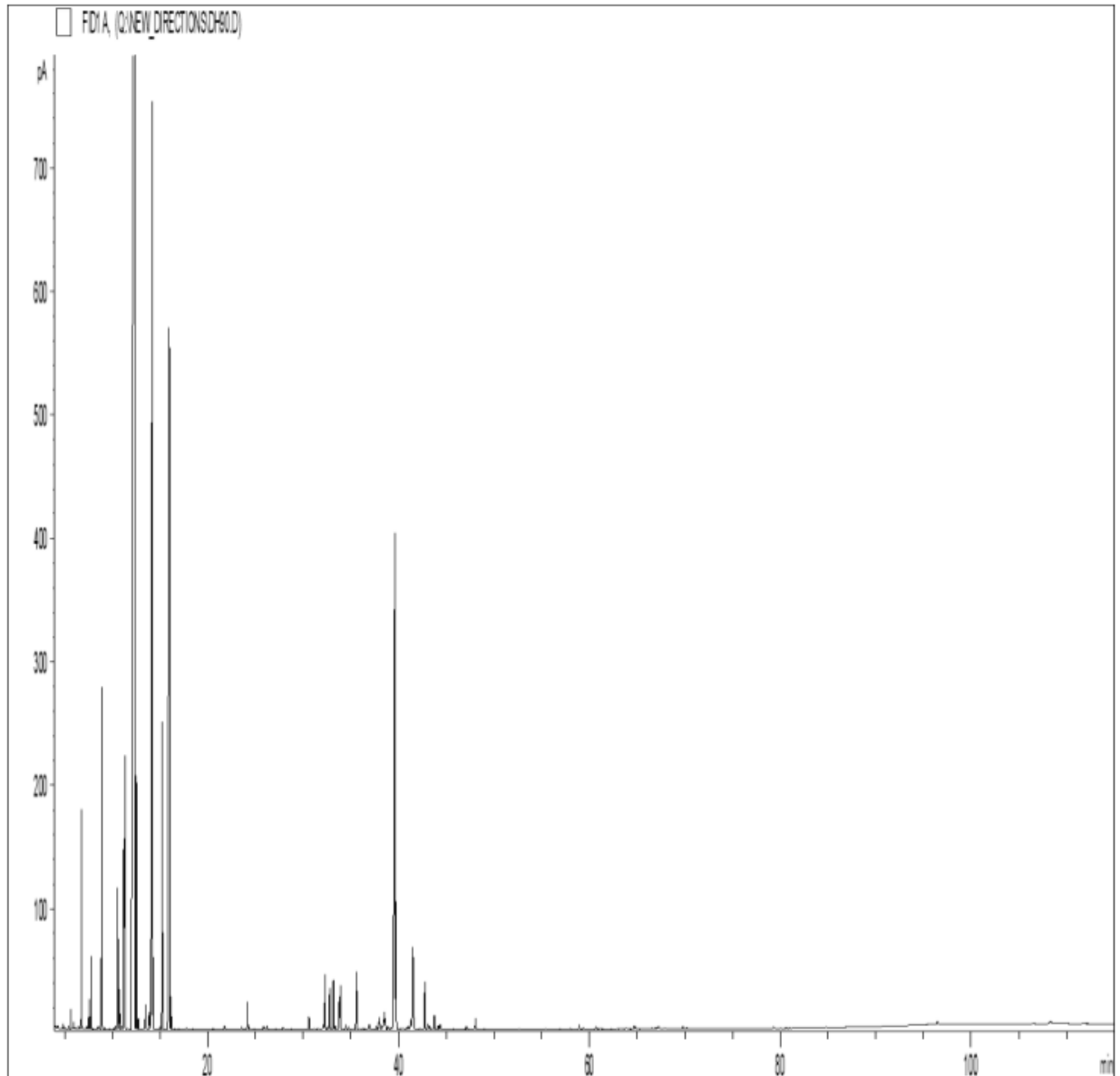
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GCMS ANALYSIS



Due to volume turnover, this report is not lot specific, it is representative of the quality of this oil produced by the manufacturer of this product; Specific lots may vary slightly as is the case in natural products,