

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Lime Essential Oil
Botanical name	:	Citrus latifolia Tanaka
INCI name	:	Citrus Aurantifolia Oil
CAS #	:	8008-26-2 / 90063-52-8
Country of Origin	:	Brazil
EINECS #	:	- / 290-010-3
Product use	:	Domestic and Industrial
Supplier	:	POYA Marketing Ltd.
Address	:	6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Telephone number	:	1-800-246-7817
Emergency phone number	:	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

### GHS Classification

Flammable Liquid - Category 3

Skin Corrosion/Irritation - Category 2

Skin Sensitization - Category 1

Aspiration toxicity - Category 1

Hazardous to aquatic environment, acute hazard - Category 1

Hazardous to aquatic environment, chronic hazard - 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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long-lasting effects.

**Precautionary statement(s)**

P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking
P233	Keep container tightly closed.
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.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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.
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.
P370	In case of fire: Use extinguishing media listed in Section 5 of the SDS to extinguish.
P391	Collect spillage.
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.

**3. COMPOSITION / INFORMATION INGREDIENTS**

Product Name	CAS NO	EC NO	Concentration
Limonene	138-86-3	-	~ 53 %

Pinene	80-56-8 (alpha) + 127-91-3 (beta)	-	-15 %
Gamma-terpinene	99-85-4	-	-10 %
Citral	5392-40-5	-	- 5.0 %
beta-Bisabolene	495-61-4	-	- 2.0 %

#### 4. FIRST AID MEASURES

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##### **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.

#### 5. FIRE FIGHTING MEASURES

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##### **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.

##### **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 oxides.

#### 6. ACCIDENTAL RELEASE MEASURES

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##### **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.

## **7. HANDLING AND STORAGE**

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#### **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**

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#### **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**

Do not eat, drink and smoke while using

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

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Appearance	:	Yellowish green to greenish brown liquid.
Odor	:	Characteristic fresh, sweet, acidulous, lemon peel-like odor.
Flash point	:	46 °C
Relative density	:	0.857 to 0.879 @ 20°C
Refractive index	:	1.4760 to 1.4860 @ 20°C
Optical rotation	:	+38° to +53° @ 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.

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**11. TOXICOLOGICAL INFORMATION**

**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.

**Eye contact**

Possible irritation should be prevented by wearing safety glasses.

**Ingestion**

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

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**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

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

**Persistence and degradability**

Not available.

**Bio - accumulative potential**

Not available.

**Mobility in soil**

Not available.

**Other adverse effects**

Not available.

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**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

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**UN Number**

1169

**UN proper shipping name**

Extracts, aromatic, liquid

**Transport hazard class**

3

**Packing group**

III

**US DOT Shipping Description (Land)**

1169

**Proper shipping name**

Extracts, aromatic, liquid

**Class**

3

**Packaging group**

III

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

1169

**Proper shipping name**

Extracts, aromatic, liquid

**Class**

3

**Packaging group**

III

**IATA Shipping Description (Air)**

1169

**Proper shipping name**

Extracts, aromatic, liquid

**Class**

3

**Packaging group**

III

#### 15. REGULATORY INFORMATION

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**GHS Hazard Statements**

Please refer to section 2.

**GHS Precautionary Statements**

Please refer to section 2.

**16. OTHER INFORMATION**

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**Disclaimer & Caution**

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