

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Lime Essential Oil - Persian/Tahiti
Botanical name	:	Citrus latifolia Tanaka
INCI name	:	Citrus Latifolia Peel Oil
CAS #	:	90063-52-8
Country of Origin	:	Brazil
EINECS #	:	290-010-3
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 Liquid - Category 3

Skin Corrosion/Irritation - Category 2

Skin Sensitization - Category 1

Aspiration toxicity - 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 vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction
H411	Toxic to aquatic life with long-lasting effects

Precautionary statement(s)

P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/
P331	Do NOT induce vomiting.

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/ shower.

P270

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

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Lime (Citrus latifolia)	90063-52-8	290-010-3	95-100%
Limonene	5989-27-5	227-813-5	50 - 70%
Citral	5392-40-5	226-394-6	2 - 5%
γ -Terpinene	99-85-4	202-794-6	8 - 18 %
β -Pinene	127-91-3	204-872-5	8 - 20%
Neryl Acetate	141-12-8	-	0.3 - 2 %
β -Bisabolene	495-61-4	-	0 - 2%
Terpinolene	586-62-9	209-578-0	0 - 1%
α -Terpineol	98-55-5	202-680-6	0 - 1 %
α -Bergamotene	17699-05-7	241-702-9	0 - 1.5%
Caryophyllene	87-44-5	201-746-1	0 - 0.5 %
para-Cymene	99-87-6	202-796-7	0 - 1 %
Sabinen	3387-41-5	222-212-4	1 - 3%
α -Terpinene	99-86-5	202-795-1	0 - 1 %
α -Pinene	80-56-8	201-291-9	1 - 3%
Myrcene	123-35-3	204-622-5	0 - 2%

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.

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.

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

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

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

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

Appearance	:	Yellowish-green to dark green liquid.
Odor	:	Characteristic fresh, sweet, acidulous, lemon peel-like odor.
Melting Point/Freezing Point	:	<-25 °C
Flash point	:	49 °C
Relative density	:	0. 8480 to 0.8590 @ 20°C
Refractive index	:	1.470 to 1.480 @ 20°C

10. STABILITY AND REACTIVITY

Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Flammable liquid and vapour.

Chemical stability

Chemically stable.

Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire: Carbon dioxide, Carbon monoxide.

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

Causes skin irritation.

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

Aspiration hazard

May be fatal if swallowed and enters airways.

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

Readily biodegradable.

Bio - accumulative potential

Partition coefficient n-octanol/water (Log Kow): 4.38

Mobility in soil

Not available.

Other adverse effects

Not available.

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

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

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.

GHS Hazard Statements

Please refer to section 2.

GHS Precautionary Statements

Please refer to section 2.

16. OTHER INFORMATION

Revision date : June 27, 2024

Disclaimer & Caution

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