



Navy Heart Essential Oils

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SAFETY DATA SHEET (SDS)

Lime Essential Oil | GHS / WHMIS 2015 Compliant | Version 1.0

Issue Date: May 21, 2026

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product Name	Lime Essential Oil
Botanical Name	Citrus aurantifolia
INCI Name	Citrus Aurantifolia Oil
CAS Number	8008-26-2
Lot Number	BR-260121
Report Number	BR-260125
Batch Date	January 20, 2026
Country of Origin	India
Product Use	Aromatherapy, cosmetics, and personal care products (domestic use)
Supplier / Distributor	Navy Heart Essential Oils
Address	Calgary, Alberta, Canada (full address available upon request)
Telephone	+1 (403) 901-6428
Email	navyheart.ca@gmail.com
Website	https://navyheart.ca
Emergency Telephone	Alberta Poison Centre: 1-800-332-1414 (24-hour) Canada Poison Centre: 1-844-764-7669

SECTION 2 — HAZARDS IDENTIFICATION

GHS / WHMIS 2015 Classification
Flammable Liquid — Category 3
Acute Oral Toxicity — Category 5
Eye Irritation — Category 2A
Skin Irritation — Category 2
Skin Sensitization — Category 1
Aspiration Toxicity — Category 1
Hazardous to Aquatic Environment — Acute — Category 2

Hazardous to Aquatic Environment — Chronic — Category 2	
Signal Word	DANGER
Hazard Statements	
H226 — Flammable liquid and vapour.	
H303 — May be harmful if swallowed.	
H304 — May be fatal if swallowed and enters airways.	
H315 — Causes skin irritation.	
H317 — May cause an allergic skin reaction.	
H319 — Causes serious eye irritation.	
H410 — Very toxic to aquatic life with long-lasting effects.	
Precautionary Statements	
P210 — Keep away from heat, sparks, open flames and other ignition sources. No smoking.	
P233 — Keep container tightly closed.	
P234 — Keep only in original container.	
P241 — Use explosion-proof electrical/ventilating/lighting equipment.	
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/clothing/eye protection/face protection.	
P301+P310 — IF SWALLOWED: Immediately call a Poison Centre/doctor.	
P302+P352 — IF ON SKIN: Wash with plenty of water.	
P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present — continue rinsing.	
P312 — Call a Poison Centre/doctor if you feel unwell.	
P333+P313 — If skin irritation or rash occurs: Get medical advice/attention.	
P337+P313 — If eye irritation persists: Get medical advice/attention.	
P370+P378 — In case of fire: Use dry chemical, CO ₂ , or alcohol-resistant foam.	
P391 — Collect spillage.	
P403+P235 — Store in a well-ventilated place. Keep cool.	
P405 — Store locked up.	
P501 — Dispose of contents/container in accordance with local, provincial, and federal regulations.	

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	EC Number	Concentration
Citrus Aurantifolia Oil (D-Limonene primary constituent)	8008-26-2	290-010-3	≤100% (D-Limonene 48%, γ-Terpinene 13%, Terpineolene 9% Lot BR-260121)

Note: Full constituent breakdown (GC/MS analysis) is currently in process and will be uploaded when it is available.

SECTION 4 — FIRST AID MEASURES

General Advice	Consult a physician. Show this SDS to the attending doctor. Move affected person out of dangerous area immediately.
If Inhaled	Move person to fresh air immediately. If not breathing, administer artificial respiration. Seek medical attention if symptoms persist.
Skin Contact	Remove contaminated clothing immediately. Wash affected area thoroughly with soap and water. Seek medical attention if irritation develops or persists.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do — continue rinsing. Seek medical attention if irritation persists.
If Swallowed	Do NOT induce vomiting. Rinse mouth with water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention or contact poison control.
Note to Physician	Symptomatic and supportive treatment recommended. May be aspirated into lungs causing chemical pneumonitis.

SECTION 5 — FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Foam (Class B alcohol-resistant), ABC powder, BC powder, carbon dioxide (CO ₂). For large fires, apply water as mist or spray from a safe distance.
Unsuitable Extinguishing Media	Direct water jet (may spread fire).
Special Hazards	Flammable liquid and vapour. Vapours may travel to a source of ignition and flash back. Possible discharge of toxic gases upon burning.
Combustion Products	Carbon monoxide, carbon dioxide, and unidentified organic compounds may form upon combustion.
Protective Equipment	Wear self-contained breathing apparatus (SCBA) and full chemical protective gear when fighting fire involving this product.
Additional Information	Use water spray to cool unopened containers exposed to fire. Flash Point: 45.56°C.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions	Remove all ignition sources. Wear appropriate PPE (gloves, goggles, respirator). Ensure immediate ventilation of premises. Beware of vapours accumulating in low areas. Keep people upwind and away from spill.
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Environmental Precautions	Prevent entry to sewers and public waters. Notify authorities if product enters public waterways. This product is toxic to aquatic life.
Containment & Cleanup	Use non-combustible sorbent material (sand, earth, or vermiculite) to absorb spill. Collect in sealed, labelled containers for disposal in accordance with local regulations.

SECTION 7 — HANDLING AND STORAGE

Safe Handling	Handle in a well-ventilated area. No direct lighting near open containers. Keep away from heat, sparks, and open flames. No smoking. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Take precautions to prevent build-up of electrostatic charge. Wash hands thoroughly after handling.
Storage Conditions	Store in tightly closed original containers in a cool, dry, well-ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep away from direct sunlight — light sensitive.
Recommended Storage Temperature	Below 25°C / 77°F; refrigeration recommended for long-term storage.
Incompatibilities	Strong acids, strong alkalis, strong oxidizing agents.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits	No established OEL for lime essential oil under Alberta OHS or NIOSH. Handle with appropriate care.
Engineering Controls	Ensure adequate ventilation. Use local exhaust ventilation where necessary to minimize vapour concentrations.
Eye / Face Protection	Tightly sealed safety goggles with side-shields conforming to EN166 or NIOSH.
Skin Protection	Wear chemical-resistant gloves. Inspect gloves before use. Wear impervious clothing where prolonged contact is likely.
Respiratory Protection	Respiratory protection is not normally required for domestic use. In workplace settings where ventilation is inadequate, use a NIOSH-approved air-purifying respirator fitted with organic vapour cartridges.
Environmental Controls	Prevent further leakage or spillage if safe to do so. Do not allow product to enter drains or waterways.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow to greenish-yellow clear liquid
Odour	Pleasant characteristic lime aroma
Flash Point	45.56°C / 114°F
Boiling Point	182°C @ 760 mmHg
Vapour Pressure	0.8 mmHg @ 25°C
Relative Density (25°C)	0.859 g/mL (Lot BR-260121 CoA) / Ref range: 0.850–0.885
Refractive Index (20°C)	1.475 (Lot BR-260121 CoA) / Ref range: 1.472–1.492

Optical Rotation	+41°, neat (Lot BR-260121 CoA) / Ref range: +1.0° to +60.0°
Solubility	Soluble in most non-volatile oils and mineral oils. Insoluble in glycerol, propylene glycol, and water.
Light Sensitivity	Yes — store away from direct light

SECTION 10 — STABILITY AND REACTIVITY

Reactivity	No significant reactivity hazard under normal conditions of use.
Chemical Stability	Chemically stable under recommended storage conditions. Sensitive to air oxidation — store in tightly sealed containers.
Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Heat, sparks, open flames, direct sunlight, strong oxidizers.
Incompatible Materials	Strong acids, strong alkalis, and oxidizing agents.
Decomposition Products	Carbon monoxide and unidentified organic compounds may form at extreme heat or upon combustion.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Toxicity	Based on the known properties of Citrus aurantifolia oil, this product is considered to have low acute toxicity under normal conditions of use.
Skin Irritation	May cause mild skin irritation. Classified as Skin Irritation Category 2 per GHS.
Skin Sensitization	May cause allergic skin reactions in susceptible individuals. Contains D-Limonene — a known skin sensitizer.
Eye Irritation	May cause serious eye irritation. Classified as Eye Irritation Category 2A per GHS.
Inhalation	High concentrations of vapour may cause irritation of eyes, nose, and throat, headache, nausea, and dizziness.
Aspiration Hazard	May be fatal if swallowed and enters airways (Aspiration Toxicity Category 1). Do not induce vomiting.
Ingestion	Low oral toxicity. May cause irritation of the stomach and intestines resulting in nausea and vomiting. Seek medical attention.
Carcinogenicity	No component at ≥0.1% identified as a known or probable carcinogen by IARC, ACGIH, NTP, or OSHA.
Chronic Effects	May cause allergic reactions on skin with repeated or prolonged exposure.
Photo-Toxicity	Cold-pressed lime peel oil may be phototoxic. Avoid direct UV exposure or sunlight on skin after topical application.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic organisms with long-lasting effects (H410). Avoid any release to ground, surface, or underground water.
Persistence and Degradability	Sensitive to air oxidation; long-term degradation products may arise.

Bioaccumulative Potential	This product is unlikely to accumulate significantly in the environment.
Mobility in Soil	Not available.
Other Effects	Do not allow product to enter drains, sewers, or natural waterways.

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of product in accordance with local, provincial (Alberta), and federal Canadian regulations. This flammable material may be incinerated in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable material to a licensed disposal company. Do not pour down drains, into waterways, or onto land.

Contaminated Packaging: Triple-rinse containers and offer for recycling or reconditioning. Alternatively, puncture to make unusable and dispose of in a sanitary landfill in compliance with local regulations.

SECTION 14 — TRANSPORT INFORMATION

Reference UN Number	1169
Reference Shipping Name	Extracts, Aromatic, liquid
Reference Hazard Class	3 (Flammable Liquid)
Reference Packing Group	III
TDG Canada / US DOT (Land)	UN1169 — Extracts, liquid — Class 3 — PG III
IMO/IMDG (Sea)	UN1169 — Extracts, liquid — Class 3 — PG III
IATA (Air)	UN1169 — Extracts, liquid — Class 3 — PG III
Environmental Hazard	Classified as environmentally hazardous substance/marine pollutant per supplier.

SECTION 15 — REGULATORY INFORMATION

WHMIS 2015 (Canada)	This SDS complies with Canada's Hazardous Products Regulations (WHMIS 2015). Classifications: Flammable Liquid (Cat. 3), Skin Irritation (Cat. 2), Skin Sensitization (Cat. 1), Aspiration Toxicity (Cat. 1).
SARA 302 Components	No chemicals in this material are subject to SARA Title III, Section 302 reporting requirements.
SARA 311/312 Hazards	Fire Hazard, Health Hazard.
SARA 313 Components	This material does not contain chemicals with known CAS numbers exceeding De Minimis reporting levels under SARA Title III, Section 313.
NFPA Rating	Health: 1 Fire: 3 Reactivity: 0
HMIS Rating	Health: 1 Flammability: 3 Physical Hazard: 0

SECTION 16 — OTHER INFORMATION

SDS Version	1.0
Issue Date	May 21, 2026

Prepared By	Navy Heart Essential Oils, Calgary, Alberta, Canada
Source Documents	Supplier MSDS CoA Report No. BR-260125, Lot BR-260121

Revision History

Version	Date	Summary of Changes
1.0	May 21, 2026	Initial issue.

Disclaimer: The information in this Safety Data Sheet is based on data provided by the raw material supplier and reference industry sources, and is believed to be accurate and reliable at the time of issue. Navy Heart Essential Oils makes no warranty, express or implied, as to the accuracy or completeness of this information. It is the responsibility of the user to ensure safe handling and use of this product in compliance with all applicable local, provincial, and federal regulations. This SDS is prepared in accordance with Canada's Hazardous Products Regulations (WHMIS 2015).