



Navy Heart Essential Oils

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SAFETY DATA SHEET (SDS)

Ylang Ylang Essential Oil | GHS / WHMIS 2015 Compliant | Version 1.1

Issue Date: May 21, 2026

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product Name	Ylang Ylang Essential Oil
Botanical Name	Cananga odorata
INCI Name	Cananga Odorata Flower Oil
CAS Number	8006-81-3
EINECS Number	281-092-1
Lot Number	BR-260120
Report Number	BR-260129
Production Date	May 18, 2025
Country of Origin	China
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 4
Acute Toxicity, Oral — Category 4
Aspiration Hazard — Category 1
Skin Corrosion / Irritation — Category 2
Skin Sensitization — Category 1

Eye Irritation — Category 2A	
Respiratory Sensitization — Category 1 / 1A / 1B	
Reproductive Toxicity — Category 2	
Hazardous to Aquatic Environment — Acute — Category 2	
Hazardous to Aquatic Environment — Chronic — Category 3	
Signal Word	DANGER
Hazard Statements	
H227 — Combustible liquid.	
H302 — 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.	
H334 — May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
H361 — Suspected of damaging fertility or the unborn child.	
H401 — Toxic to aquatic life.	
H412 — Harmful to aquatic life with long-lasting effects.	
Precautionary Statements	
P201 — Obtain special instructions before use.	
P202 — Do not handle until all safety precautions have been read and understood.	
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 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 — continue rinsing.	
P332+P313 — If skin irritation occurs: Get medical advice/attention.	
P333+P313 — If skin irritation or a rash occurs: Get medical advice/attention.	
P362 — Take off contaminated clothing.	
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, provincial, and federal regulations.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	EC Number	Concentration
Cananga Odorata Flower Oil	8006-81-3	281-092-1	≤100% (b-Caryophyllene 11% Linalool 10% Geranyl Acetate 9% Lot BR-260120)
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	Obtain special instructions before use. Consult a physician and show this SDS to the attending doctor. Move affected person out of dangerous area immediately.
If Inhaled	Move person to fresh air immediately. If breathing is difficult, give oxygen. If not breathing, administer artificial respiration. Seek medical attention if symptoms appear — respiratory sensitization is possible.
Skin Contact	Remove contaminated clothing immediately. Wash affected area thoroughly with soap and water. Seek medical attention if irritation develops or persists.
Eye Contact	Immediately flush eyes with plenty of cool 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	Immediately call a Poison Centre/doctor. Do NOT induce vomiting — aspiration hazard. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.
Note to Physician	Symptomatic and supportive treatment recommended. Risk of aspiration if swallowed. Respiratory sensitization possible with inhalation exposure.

SECTION 5 — FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Foam, dry powder, carbon dioxide (CO ₂). Use water spray or fog for cooling exposed containers.
Unsuitable Extinguishing Media	Direct water spray or water jet (may spread fire).
Special Hazards	Combustible liquid. Hazardous decomposition products may be formed at extreme heat or if burned.
Combustion Products	Carbon oxides 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: 110°C, closed cup (per supplier MSDS — see Section 9).
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SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions	Respiratory protection equipment may be necessary. Avoid breathing vapours, mist, or gas. Wear appropriate PPE (gloves, goggles, respirator). Keep people upwind and away from spill.
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 absorbent material (sand, earth, or vermiculite) to collect spill as soon as possible. Keep in suitable, closed containers for disposal. Use spark-proof tools.

SECTION 7 — HANDLING AND STORAGE

Safe Handling	Handle in a well-ventilated area. No direct lighting near open containers. No smoking. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Wash hands and other exposed areas with mild soap and water before eating, drinking, or leaving work. Handle in accordance with good industrial hygiene and safety procedures.
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. Store locked up.
Recommended Storage Temperature	Below 25°C / 77°F; refrigeration recommended for long-term storage.
Incompatibilities	Strong oxidizing agents.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits	No established OEL
Engineering Controls	Ensure adequate ventilation. Use local exhaust ventilation where necessary to minimize vapour concentrations. General industrial hygiene practice.
Eye / Face Protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin Protection	Wear chemical-resistant gloves inspected prior to use. Use proper glove removal technique to avoid skin contact. Wear impervious clothing where prolonged contact is likely. Wash and dry hands after handling.
Respiratory Protection	Respiratory protection not required for domestic use under normal ventilation conditions. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Given respiratory sensitization classification, use appropriate respiratory protection in workplace settings.
Environmental Controls	Do not let product enter drains. Prevent further leakage or spillage if safe to do so.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale to golden yellow oily liquid
Odour	Characteristic sweet, exotic floral aroma
Flash Point	110°C (230°F), closed cup (per supplier MSDS)
Boiling Point	261°C @ 760 mmHg (supplier MSDS)
Relative Density (20°C)	0.9681 (Lot BR-260120 CoA) / Ref range: 0.965–0.986 @ 20°C
Refractive Index (20°C)	1.510 (Lot BR-260120 CoA) / Ref range: 1.505–1.520 @ 20°C
Optical Rotation (20°C)	–15° to –36° (Lot BR-260120 CoA) / Ref range: –45° to –15°
Purity	≥99% (Lot BR-260120 CoA)
Solubility	Soluble in alcohol and oils. Soluble in 75% alcohol. Insoluble in 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.
Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Heat, sparks, open flames, direct sunlight.
Incompatible Materials	Strong oxidizing agents.
Decomposition Products	Carbon oxides may form at extreme heat or upon combustion.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Toxicity	Based on the known properties of Cananga odorata flower oil, this product has low acute toxicity under normal conditions of use.
Skin Irritation	May cause skin irritation. Classified as Skin Corrosion/Irritation Category 2 per GHS.
Skin Sensitization	May cause allergic skin reactions. Classified as Skin Sensitization Category 1 per GHS.
Eye Irritation	May cause serious eye irritation. Classified as Eye Irritation Category 2A per GHS.
Respiratory Sensitization	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Classified as Respiratory Sensitization Category 1/1A/1B per GHS. Use appropriate respiratory protection.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child. Classified as Reproductive Toxicity Category 2 per GHS (H361). Obtain special instructions before use.

Aspiration Hazard	May be fatal if swallowed and enters airways. Classified as Aspiration Hazard Category 1 per GHS. Do not induce vomiting.
Inhalation	Inhalation of high concentrations of vapour may cause irritation of eyes, nose, and throat, headache, nausea, and dizziness.
Ingestion	Harmful if swallowed. May cause irritation of the stomach and intestines resulting in nausea and vomiting. Seek immediate medical attention.
Carcinogenicity	No component at $\geq 0.1\%$ identified as a known or probable carcinogen by IARC, ACGIH, NTP, or OSHA.
Chronic Effects	Repeated or prolonged skin contact may cause redness, irritation, and scaling of skin (dermatitis).

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity	Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment (H401, H412). Avoid any release to ground, surface, or underground water.
Persistence and Degradability	Not available.
Bioaccumulative Potential	Not available.
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. Offer surplus and non-recyclable material to a licensed disposal company. This combustible material may be incinerated in a chemical incinerator equipped with an afterburner and scrubber. 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

TDG Canada (Land)	Not regulated as dangerous goods under Canadian TDG regulations.
US DOT (Land)	Not regulated.
IMO/IMDG (Sea)	Not regulated.
IATA (Air)	Not regulated.
Poison Inhalation Hazard	No
Environmental Hazard	Toxic to aquatic life — exercise environmental precautions during transport and handle spills responsibly.

SECTION 15 — REGULATORY INFORMATION

WHMIS 2015 (Canada)	This SDS complies with Canada's Hazardous Products Regulations (WHMIS 2015). Classifications: Flammable Liquid (Cat. 4), Skin Irritation (Cat. 2), Skin Sensitization (Cat. 1), Eye Irritation (Cat. 2A), Respiratory Sensitization (Cat. 1), Reproductive Toxicity (Cat. 2), Aspiration Hazard (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: 1 Reactivity: 0
HMIS Rating	Health: 1 Flammability: 1 Physical Hazard: 0

SECTION 16 — OTHER INFORMATION

SDS Version	1.1
Issue Date	May 21, 2026
Prepared By	Navy Heart Essential Oils, Calgary, Alberta, Canada
Source Documents	Supplier MSDS CoA Report No. BR-260129, Lot BR-260120

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).