



Navy Heart Essential Oils

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SAFETY DATA SHEET (SDS)

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

Issue Date: May 21, 2026

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product Name	Neroli Essential Oil
Botanical Name	Citrus aurantium
INCI Name	Citrus Aurantium Flower Oil
CAS Number	8016-38-4
EINECS Number	277-143-2
Lot Number	BR-260126
Report Number	BR-260126
Batch Date	January 25, 2026
Country of Origin	Tunisia
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 2
Acute Toxicity, Oral — Category 3
Skin Corrosion / Irritation — Category 2
Skin Sensitization — Category 1
Serious Eye Damage / Eye Irritation — Category 1

Aspiration Hazard — Category 1	
Hazardous to Aquatic Environment — Acute — Category 2	
Hazardous to Aquatic Environment — Chronic — Category 3	
Signal Word	DANGER
Hazard Statements	
H225 — Highly flammable liquid and vapour.	
H301 — Toxic if swallowed.	
H304 — May be fatal if swallowed and enters airways.	
H315 — Causes skin irritation.	
H317 — May cause an allergic skin reaction.	
H318 — Causes serious eye damage.	
H319 — Causes serious eye irritation.	
H401 — Toxic to aquatic life.	
H412 — Toxic to aquatic life with long-lasting effects.	
Precautionary Statements	
P210 — Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
P262 — Do not get in eyes, on skin, or on clothing.	
P264 — Wash skin thoroughly after handling.	
P270 — Do not eat, drink or smoke when using this product.	
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.	
P310 — Immediately call a Poison Centre/doctor.	
P331 — Do NOT induce vomiting.	
P333+P313 — If skin irritation or a rash occurs: Get medical advice/attention.	
P337+P313 — If eye irritation persists: Get medical advice/attention.	
P370+P378 — In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.	
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
Citrus Aurantium Flower Oil	8016-38-4	277-143-2	≤100% (Linalool 44%, Linalyl Acetate 13%, Limonene 13% 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	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 appear.
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 immediate medical attention — classified as causing serious eye damage.
If Swallowed	Immediately call a Poison Centre/doctor. Do NOT induce vomiting — aspiration hazard. Do not give anything by mouth to an unconscious person.
Note to Physician	Symptomatic and supportive treatment recommended. Risk of aspiration if swallowed. Classified as toxic if swallowed (Acute Oral Toxicity Category 3).

SECTION 5 — FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Alcohol-resistant foam, dry powder, carbon dioxide (CO ₂). For large fires, apply water as a mist or spray from as far as possible in large quantities.
Unsuitable Extinguishing Media	Direct water spray or water jet (may be ineffective for large fires).
Special Hazards	Highly flammable liquid and vapour (Category 2). Vapours can accumulate in low areas and form explosive concentrations. Hazardous decomposition products may form at extreme heat.
Combustion Products	Carbon oxides may form upon combustion.
Protective Equipment	Wear self-contained breathing apparatus (SCBA) and full chemical protective gear. Use water spray or fog for cooling exposed containers.
Additional Information	Use water spray to cool unopened containers exposed to fire.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions	Remove all ignition sources immediately — highly flammable. Wear appropriate PPE (gloves, goggles, respirator). Avoid breathing vapours, mist, or gas. Beware of vapours accumulating in low areas.
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	Contain spillage and collect using an electrically protected vacuum cleaner or by wet-brushing. Alternatively use absorbent material (sand, earth, or vermiculite). Place in sealed, labelled containers for disposal according to local regulations.

SECTION 7 — HANDLING AND STORAGE

Safe Handling	Handle in a well-ventilated area. No direct lighting near open containers. No smoking. Keep away from all sources of ignition. Avoid inhalation of vapour or mist. Take measures to prevent build-up of electrostatic charge. Wash hands and other exposed areas with mild soap and water before eating, drinking, or leaving work.
Storage Conditions	Store locked up. Keep container tightly closed in a cool, dry, well-ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Recommended Storage Temperature	Below 25°C / 77°F; refrigeration recommended for long-term storage.
Incompatibilities	Strong acids, strong alkalis, and oxidizing agents.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits	No established OEL for neroli essential oil under Alberta OHS or NIOSH. No substances with occupational exposure limit values identified in this product.
Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Use local exhaust ventilation where necessary.
Eye / Face Protection	Safety glasses with side-shields conforming to EN166 or NIOSH. Given Serious Eye Damage Category 1 classification, tightly sealed goggles are strongly recommended.
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. Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) cartridges.
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	Clear to Pale yellow oily liquid
Odour	Leafy-green, earthy, woody, slightly citric floral aroma
Flash Point	70°C / 158°F (closed cup)
Boiling Point	163°C / 325°F
Relative Density (20°C)	0.8720 (Lot BR-260120 CoA) / Ref range: 0.863–0.880
Refractive Index (20°C)	1.4700 (Lot BR-260120 CoA) / Ref range: 1.468–1.474
Acid Value	1.6 (Lot BR-260120 CoA; standard ≤ 2.0)
Ester Value	40 (Lot BR-260120 CoA; standard 26–60)
Non-volatile Matter	2% (Lot BR-260120 CoA; standard $\leq 3\%$)
Content / Purity	$\geq 99\%$ / 99.10% (Lot BR-260120 CoA)
Solubility	Soluble in 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 acids, strong alkalis, and oxidizing agents.
Decomposition Products	Carbon oxides may form at extreme heat or upon combustion.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Toxicity	Classified as Acute Oral Toxicity Category 3 per GHS based on reference data.
Skin Irritation	Causes skin irritation. Classified as Skin Corrosion/Irritation Category 2 per GHS (H315).
Skin Sensitization	May cause allergic skin reactions. Classified as Skin Sensitization Category 1 per GHS (H317).
Eye Damage	Causes serious eye damage. Classified as Serious Eye Damage Category 1 per GHS (H318). Seek immediate medical attention on eye contact.
Aspiration Hazard	May be fatal if swallowed and enters airways. Classified as Aspiration Hazard Category 1 per GHS (H304). Do not induce vomiting.
Inhalation	Inhalation of high concentrations of vapour may cause irritation of eyes, nose, and throat, headache, nausea, and dizziness.

Ingestion	Toxic if swallowed (Category 3). Seek immediate medical attention. Do not induce vomiting.
Carcinogenicity	No component at $\geq 0.1\%$ identified as a known or probable carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive Toxicity	No data available.
Chronic Effects	Chemical, physical, and toxicological properties have not been thoroughly investigated. Exercise appropriate caution with repeated exposure.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity	Toxic to aquatic organisms with long-lasting effects (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. This combustible 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

UN Number	UN3082
UN Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Neroli oil)
Transport Hazard Class	9 — Miscellaneous Dangerous Goods
Packing Group	III
TDG Canada (Land)	UN3082 — Environmentally hazardous substance, liquid, n.o.s. (Neroli oil) — Class 9 — PG III
US DOT (Land)	UN3082 — Environmentally hazardous substance, liquid, n.o.s. (Neroli oil) — Class 9 — PG III
IMO/IMDG (Sea)	UN3082 — Environmentally hazardous substance, liquid, n.o.s. (Neroli oil) — Class 9 — PG III
IATA (Air)	UN3082 — Environmentally hazardous substance, liquid, n.o.s. (Neroli oil) — Class 9 — PG III

Poison Inhalation Hazard	No
Environmental Hazard	Yes — environmentally hazardous substance (aquatic toxicity)

SECTION 15 — REGULATORY INFORMATION

WHMIS 2015 (Canada)	This SDS complies with Canada's Hazardous Products Regulations (WHMIS 2015). Classifications: Flammable Liquid (Cat. 2), Acute Oral Toxicity (Cat. 3), Skin Irritation (Cat. 2), Skin Sensitization (Cat. 1), Serious Eye Damage (Cat. 1), Aspiration Hazard (Cat. 1), Hazardous to Aquatic Environment — Acute (Cat. 2) and Chronic (Cat. 3).
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: 2 Fire: 2 Reactivity: 0
HMIS Rating	Health: 2 Flammability: 2 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-260126, 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).