



Navy Heart Essential Oils

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SAFETY DATA SHEET (SDS)

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

Issue Date: May 22, 2026

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product Name	Geranium Essential Oil
Botanical Name	Pelargonium Graveolens
INCI Name	Pelargonium Graveolens Flower Oil
CAS Number	8000-46-2
EINECS Number	290-140-0
Lot Number	BR-260120
Report Number	BR-260123
Batch Date	January 23, 2026
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	
Skin Corrosion/Irritation — Category 2	
Skin Sensitization — Category 1	
Serious Eye Damage — Category 1	
Hazardous to the Aquatic Environment — Acute Hazard — Category 2	
Hazardous to the Aquatic Environment — Chronic Hazard — Category 3	
Signal Word	WARNING

Hazard Statements			
H227 — Combustible liquid.			
H315 — Causes skin irritation.			
H317 — May cause an allergic skin reaction.			
H318 — Causes serious eye damage.			
H401 — Toxic to aquatic life.			
H412 — Harmful 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.			
P260 — Do not breathe dust/fumes/gas/mist/vapours/spray.			
P261 — Avoid breathing dust/fumes/gas/mist/vapours/spray.			
P262 — Do not get in eyes, on skin, or on clothing.			
P264 — Wash skin 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 CENTRE or doctor.			
P302+P352 — IF ON SKIN: Wash with plenty of soap and water.			
P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do — continue rinsing.			
P310 — Immediately call a POISON CENTRE or doctor.			
P321 — Specific treatment (see Section 4 of this SDS).			
P333+P313 — If skin irritation or 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/container in accordance with local, provincial, and federal regulations.			

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	EC Number	Concentration
Geranium oil (whole) (<i>Pelargonium Graveolens</i>)	8000-46-2	290-140-0	≤100% (Citronellol, Geraniol, Linalool, Batch BR- 260123)
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. Wash area thoroughly with soap and plenty of water. Seek medical attention if irritation occurs.
Eye Contact	Rinse thoroughly 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 serious eye damage Category 1.
If Swallowed	Do not give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention or contact local poison control centre immediately.
Note to Physician	Symptomatic and supportive treatment recommended.

SECTION 5 — FIRE FIGHTING MEASURES

Suitable Extinguishing Media	CO ₂ , dry powder, foam (alcohol-resistant), water spray. Use recommended extinguishing media at the base of flames.
Unsuitable Extinguishing Media	Do not use direct water jet on burning material. Cool closed containers with water spray.
Flash Point	104°C / 219°F closed cup
Special Hazards	Combustible liquid — Category 4. Vapours may form flammable mixtures. Containers may build pressure when exposed to heat.
Combustion Products	Carbon monoxide, carbon dioxide, and other unidentified organic compounds may form during combustion
Protective Equipment	Wear positive-pressure self-contained breathing apparatus (SCBA) and full chemical protective gear. Avoid vapour inhalation.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid inhalation and direct contact with skin and eyes. Avoid breathing vapours, mist, or gas. Use appropriate PPE (safety glasses, waterproof boots, suitable protective clothing). Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all potential ignition sources.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Keep away from soils, surface water, and groundwater. Discharge into the environment must be avoided.
Containment & Cleanup	Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal in accordance with local, provincial, and federal regulations. Reference Section 13.

SECTION 7 — HANDLING AND STORAGE

Safe Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Apply good manufacturing practice and industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene — do not eat, drink, or smoke while handling. Keep air contact to a minimum.
Storage Conditions	Store in tightly closed original container in a cool, dry, well-ventilated area away from heat sources and protected from light. Keep air contact to a minimum. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Recommended Storage Temperature	Cool, dry area.
Incompatibilities	Strong oxidizing agents.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits	Geranium oil (CAS 8000-46-2): TWA 10 mg/m ³ and TWA 5 mg/m ³ (USA NIOSH Recommended Exposure Limits). Note: Alberta OHS Regulation does not list OELs specific to geranium oil — apply NIOSH guidelines.
Engineering Controls	Ensure adequate ventilation. Apply local ventilation where possible. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at end of workday.
Eye / Face Protection	Tightly fitting safety goggles with faceshield (8-inch minimum). Use equipment tested and approved under NIOSH (US) or EN 166 (EU).
Skin Protection	Handle with chemical-resistant gloves. Inspect gloves before use. Use proper glove removal technique to avoid skin contact. Wear a complete protective suit against chemicals. Type of protective equipment must be selected based on concentration and amounts at specific workplace.
Respiratory Protection	Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) cartridges. If respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators tested and approved under NIOSH (US) or CEN (EU).
Environmental Controls	Prevent further leakage or spillage. Do not let product enter drains or waterways. Discharge into the environment must be avoided.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Greenish-yellow or amber colour liquid
Odour	Sweet rose-like aroma, minty, fresh, geranium leaf
Flash Point	104°C / 219°F closed cup
Boiling Point	197°C / 387°F
Relative Density (20°C)	0.886 (Lot BR-260120 CoA) / Ref range: 0.882–0.899
Refractive Index (20°C)	1.4635 (Lot BR-260120 CoA) / Ref range: 1.4615–1.4690
Optical Rotation	-14° to -7° — Conformity (Lot BR-260120)

Ester Value	CoA: standard 50–80; lot result: 69 (Lot BR-260120)
Solubility	Soluble in alcohol and oils. Insoluble in water
Light Sensitivity	Protect from light — store away from heat sources and 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	No data available from either source.
Conditions to Avoid	Avoid sparks, flames, and other heat sources. Heat and light
Incompatible Materials	Strong oxidizing agents
Decomposition Products	Carbon monoxide, carbon dioxide, and other unidentified organic compounds may form during combustion.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Toxicity	Geranium essential oil is considered to have low acute toxicity under normal conditions of use based on known properties of this botanical product.
Skin Irritation	Causes skin irritation. Classified as Skin Corrosion/Irritation Category 2 (H315) —
Skin Sensitization	May cause allergic skin reactions. Classified as Skin Sensitization Category 1 (H317) Key sensitizing constituents: citronellol (20–30%), geraniol (20–30%)
Eye Contact	Causes serious eye damage. Classified as Eye Damage Category 1 (H318). Seek immediate medical attention if eye contact occurs.
Inhalation	Individual respiratory protection necessary in stuffy or confined working areas Avoid breathing product vapour. Apply local ventilation where possible.
Ingestion	Not for ingestion. Seek medical attention if swallowed.
Aspiration Hazard	No data available
Carcinogenicity	No component at $\geq 0.1\%$ is identified as a known or probable human carcinogen by IARC, NTP, or OSHA

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity	Toxic to aquatic organisms; classified as Aquatic Acute Category 2 (H401) and Aquatic Chronic Category 3 (H412). An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Avoid any pollution of soil, ground, surface, or underground water.
Persistence & Biodegradability	No data available
Bioaccumulation Potential	No data available
Mobility in Soil	Prevent surface contamination of soil, ground, and surface water

Other Effects	Do not allow product to enter drains, sewers, or natural waterways. Toxic to aquatic life
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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 professional waste disposal company. Contact a licensed professional waste disposal service to dispose of this material. Avoid disposing to drainage systems or into the environment. Do not contaminate water or drainage systems. Seek expert advice if required.

Contaminated Packaging: Dispose of as unused product or triple-rinse and offer for recycling in compliance with local regulations.

SECTION 14 — TRANSPORT INFORMATION

TDG Canada (Land)	Not regulated Carrier confirmation recommended given aquatic hazard classification.
US DOT (Land)	Not regulated.
IMO/IMDG (Sea)	UN3082 — Environmentally Hazardous Substance, Liquid, n.o.s. (Citronellol) — Class 9 — PG III — Marine Pollutant: Yes — EMS: F-A, S-F
IATA (Air)	UN3082 — Environmentally Hazardous Substance, Liquid, n.o.s. (Citronellol) — Class 9 — PG III
Marine Pollutant	Yes
EHS Mark Required	Yes for IMDG/IATA single and combination packagings containing >5L liquid
Poison Inhalation Hazard	No

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 Damage (Cat. 1), Aquatic Acute (Cat. 2), Aquatic 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	Acute 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: 1 Reactivity: 0
HMIS Rating	Health: 2 Flammability: 1 Physical Hazard: 0 Chronic Health Hazard: *

SECTION 16 — OTHER INFORMATION

SDS Version	1.0
Issue Date	May 22, 2026

Prepared By	Navy Heart Essential Oils, Calgary, Alberta, Canada
Source Documents	Supplier MSDS CoA Report No. BR-260123, Lot BR-260120

Version	Date	Summary of Changes
1.0	May 22, 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).

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