



Navy Heart Essential Oils

Calgary, Alberta, Canada

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SAFETY DATA SHEET (SDS)

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

Issue Date: May 22, 2026

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product Name	Patchouli Essential Oil
Botanical Name	Pogostemon cablin
INCI Name	Pogostemon Cablin Leaf Oil
CAS Number	8014-09-3
EINECS Number	282-493-4
Lot Number	BR-260120
Report Number	BR-260121
Batch Date	January 20, 2026
Country of Origin	Indonesia
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	
Aspiration Hazard — Category 1	
Skin Corrosion/Irritation — Category 2	
Hazardous to the Aquatic Environment — Acute Hazard — Category 2	
Hazardous to the Aquatic Environment — Chronic Hazard — Category 2	
Signal Word	DANGER
Hazard Statements	
H304 — May be fatal if swallowed and enters airways.	

H315 — Causes mild skin irritation.
H401 — Toxic to aquatic life.
H411 — Toxic to aquatic life with long-lasting effects.
Precautionary Statements
P273 — Avoid release to the environment.
P301+P310 — IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P331 — Do NOT induce vomiting.
P332+P313 — If skin irritation occurs: Get medical advice/attention.
P391 — Collect spillage.
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
Pogostemon Cablin Leaf Oil	8014-09-3	282-493-4	≤100% (Patchouli 29%, alpha-bulnesene 18%, alpha-guaiene 15% 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	Remove person to fresh air immediately. If not breathing, administer artificial respiration. Seek medical attention if symptoms persist.
Skin Contact	Remove contaminated clothing. Wash area thoroughly with soap and water. If irritation occurs or persists, seek medical attention.
Eye Contact	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 occurs.
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. Risk of aspiration if vomiting occurs.

SECTION 5 — FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical, carbon dioxide (CO ₂).
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.

Flash Point	110°C (230°F) closed cup
Special Hazards	Hazardous decomposition products may form at extreme heat or if burned. Carbon oxides may be produced.
Protective Equipment	Wear self-contained breathing apparatus (SCBA) and full chemical protective gear. Use water spray or fog for cooling exposed containers.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid breathing vapours, mist, or gas. Equip response crew with appropriate PPE. For personal protection, see Section 8.
Environmental Precautions	Prevent entry to drains, sewers, and public waters. Notify authorities if product enters sewers or public waters.
Containment & Cleanup	Absorb spill with inert material (dry sand or earth). Collect in closed, labelled containers for disposal in accordance with local, provincial, and federal regulations. Reference Section 13 for disposal guidance.

SECTION 7 — HANDLING AND STORAGE

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. Normal measures for preventive fire protection. Handle in accordance with good industrial hygiene and safety procedures.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Provide local exhaust or general room ventilation to minimize vapour concentrations. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Recommended Storage Temperature	Store in a cool, dry, well-ventilated area.
Incompatibilities	Strong oxidizing agents.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits	No established occupational exposure limit (OEL) for patchouli essential oil under Alberta OHS Regulation or NIOSH at the time of issue. MSDS confirms no substances with occupational exposure limit values.
Engineering Controls	Ensure adequate ventilation. Provide local exhaust or general room ventilation to minimize vapour concentrations. General industrial hygiene practice.
Eye / Face Protection	Use tightly sealed safety goggles. Use equipment tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin Protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact. Wear impervious clothing where prolonged contact is likely.
Respiratory Protection	Respiratory protection not normally required. For nuisance exposures, use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators tested and approved under NIOSH (US) or CEN (EU) standards.

Environmental Controls	Do not let product enter drains or waterways.
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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale yellow to light orange liquid
Odour	Special aroma of patchouli
Flash Point	>110°C / >230°F (closed cup)
Boiling Point	287°C / 549°F
Relative Density (25°C)	0.955 (Lot BR-260120 CoA) / Ref range: 0.952–0.975
Refractive Index (20°C)	1.5090 (Lot BR-260120 CoA) / Ref range: 1.5050–1.5150
Optical Rotation	CoA: -66° to -40° — Conformity
Patchoulol Content	CoA: ≥29% standard (Lot BR-260120)
Acid Value	CoA: ≤5 mg KOH/g — Conformity
Ester Value	CoA: ≤10 — Conformity
Solubility	Soluble in 90% (V/V) ethyl alcohol. Insoluble in water.
Light Sensitivity	Protect from direct sunlight

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	Avoid sparks, flame, and other heat sources.
Incompatible Materials	Strong oxidizing agents.
Decomposition Products	Carbon oxides may form at extreme heat or upon combustion.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Toxicity	Patchouli essential oil is considered to have low acute toxicity under normal conditions of use.
Skin Irritation	Classified as Skin Corrosion/Irritation Category 2 (causes mild skin irritation). Adverse skin effects should be prevented by normal care and personal hygiene.
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation
Eye Contact	Irritating to eyes. Possible irritation should be prevented by wearing safety glasses

Ingestion	May be harmful if swallowed. Do not ingest. Seek medical attention if swallowed.
Aspiration Hazard	Classified as Aspiration Hazard Category 1 — May be fatal if swallowed and enters airways.
Carcinogenicity	No component at $\geq 0.1\%$ is identified as a known or probable human carcinogen by IARC, ACGIH, NTP, or OSHA
RTECS Number	RW7126400

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity	Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment. Avoid any pollution of ground, surface, or underground water.
Persistence & Biodegradability	Generally biodegradable.
Bioaccumulation Potential	Unlikely to bioaccumulate. Contaminated water must be cleared before entering sewerage.
Mobility in Soil	Very low water solubility; will form a surface film.
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 waste disposal company. Do not pour down drains or into waterways. Check with local municipal authority to ensure compliance.

Contaminated Packaging: Triple-rinse containers and offer for recycling or reconditioning. Alternatively, dispose of as unused product in compliance with local regulations.

SECTION 14 — TRANSPORT INFORMATION

TDG Canada (Land)	UN3082 — Environmentally Hazardous Substance, Liquid, n.o.s. (Patchouli oil) — Class 9 — Packing Group III.
UN Number	3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, n.o.s. (Patchouli oil)
Hazard Class	9 — Miscellaneous Dangerous Goods
Packing Group	III
US DOT (Land)	UN3082 — Environmentally Hazardous Substance, Liquid, n.o.s. (Patchouli oil) — Class 9 — PG III
IMO/IMDG (Sea)	UN3082 — Environmentally Hazardous Substance, Liquid, n.o.s. (Patchouli oil) — Class 9 — PG III — Marine Pollutant: Yes
IATA (Air)	UN3082 — Environmentally Hazardous Substance, Liquid, n.o.s. (Patchouli oil) — Class 9 — PG III
Marine Pollutant	Yes

Poison Inhalation Hazard	No
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SECTION 15 — REGULATORY INFORMATION

WHMIS 2015 (Canada)	This SDS complies with Canada's Hazardous Products Regulations (WHMIS 2015). Classifications: Aspiration Hazard (Cat. 1), Skin Irritation (Cat. 2), Aquatic Acute (Cat. 2), Aquatic Chronic (Cat. 2).
SARA 302 Components	No chemicals in this material are subject to SARA Title III, Section 302 reporting requirements.
SARA 311/312 Hazards	No SARA Hazards identified. Environmental hazard noted.
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	1.0
Issue Date	May 22, 2026
Prepared By	Navy Heart Essential Oils, Calgary, Alberta, Canada
Source Documents	Supplier MSDS CoA Report No. BR-260121, 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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