



Navy Heart Essential Oils

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SAFETY DATA SHEET (SDS)

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

Issue Date: May 21, 2026

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product Name	Frankincense Essential Oil
Botanical Name	Boswellia carterii
INCI Name	Boswellia Carterii Oil
CAS Number	8016-36-2
EINECS Number	289-620-2
Lot Number	BR-250516
Report Number	BR-250518
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	
Skin Irritation — Category 2	
Skin Sensitization — Category 1	
Hazardous to Aquatic Environment — Chronic — Category 2	
Signal Word	WARNING

Hazard Statements	
H226 — Flammable liquid and vapour.	
H315 — Causes skin irritation.	
H317 — May cause an allergic skin reaction.	
H411 — 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.	
P233 — Keep container tightly closed.	
P240 — Ground/bond container and receiving equipment.	
P241 — Use explosion-proof electrical/ventilating/lighting equipment.	
P242 — Use only non-sparking tools.	
P243 — Take precautionary measures against static discharge.	
P261 — Avoid breathing dust/fumes/gas/mist/vapours/spray.	
P264 — Wash affected area 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.	
P302+P352 — IF ON SKIN: Wash with plenty of 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.	
P362+P364 — Take off contaminated clothing and wash it before reuse.	
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.	
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
Boswellia Carterii Oil	8016-36-2	289-620-2	≤100% (α-Pinene, Limonene, Sabinene, Lot BR-250516)

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 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.

SECTION 5 — FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Alcohol-resistant foam, dry chemical, carbon dioxide (CO ₂). For large fires, apply water as a mist or spray from as far as possible. Use very large quantities of water applied as mist; solid streams may be ineffective.
Unsuitable Extinguishing Media	Direct water spray or water jet.
Special Hazards	Flammable liquid and vapour. 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. Avoid breathing vapours, mist, or gas. Wear appropriate PPE (gloves, goggles, respirator). Beware of vapours accumulating in low areas. Ensure adequate ventilation.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. 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.
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SECTION 7 — HANDLING AND STORAGE

Safe Handling	Handle in a well-ventilated area. No direct lighting near open containers. No smoking. Keep away from 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 in a cool place. Keep container tightly closed in a 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 oxidizing agents.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits	No established OEL for frankincense 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	Face shield and safety glasses. Use equipment tested and approved under 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, flame-retardant antistatic protective 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. Use NIOSH (US) or CEN (EU) approved equipment.
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	Colourless to pale yellow clear liquid
Odour	Characteristic warm, balsamic incense-like aroma
Flash Point	47.2°C / 117°F

Boiling Point	140°C / 284°F
Relative Density (20°C)	0.875 g/mL (Lot BR-250516 CoA, corrected*) / Ref range: 0.865–0.917
Refractive Index (20°C)	1.4693 (Lot BR-250516 CoA) / Ref range: 1.4692–1.4825
Optical Rotation (20°C)	Ref range: –20° to +10°
Content / Purity	99.10% (Lot BR-250516 CoA)
Solubility	Soluble in alcohol and oils. Soluble in 75% ethanol. Insoluble in water.
Water Solubility	Insoluble (supplier MSDS)
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	Acute toxicity data not available for <i>Boswellia carterii</i> oil. Based on known properties, this product is considered to have low acute toxicity under normal conditions of use.
Skin Irritation	Causes skin irritation. Classified as Skin Irritation Category 2 per GHS (H315).
Skin Sensitization	May cause allergic skin reactions. Classified as Skin Sensitization Category 1 per GHS (H317).
Eye Irritation	Possible eye irritation. Prevent by wearing appropriate safety goggles.
Inhalation	Inhalation of high concentrations of vapour may cause irritation of eyes, nose, and throat, headache, nausea, and dizziness.
Aspiration Hazard	No data available.
Ingestion	Low order 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.
Reproductive Toxicity	No adverse effects on reproduction are known.
Chronic Effects	Chemical, physical, and toxicological properties have not been thoroughly investigated. Exercise appropriate caution.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity	Toxic to aquatic organisms with long-lasting effects (H411). 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. Incinerate in a chemical incinerator equipped with an afterburner and scrubber — exercise extra care in igniting as this material is flammable. 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	UN1993
UN Proper Shipping Name	Flammable liquid, n.o.s. (Frankincense oil / Gum olibanum)
Transport Hazard Class	3 — Flammable Liquid
Packing Group	III
TDG Canada (Land)	UN1993 — Flammable liquid, n.o.s. (Frankincense oil) — Class 3 — PG III
US DOT (Land)	UN1993 — Flammable liquid, n.o.s. (Gum olibanum) — Class 3 — PG III
IMO/IMDG (Sea)	UN1993 — Flammable liquid, n.o.s. (Frankincense oil) — Class 3 — PG III — EMS: F-E, S-E
IATA (Air)	UN1993 — Flammable liquid, n.o.s. (Frankincense oil) — Class 3 — PG III
Poison Inhalation Hazard	No
Environmental Hazard	Marine pollutant — Yes (IMDG)

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
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	(Cat. 2), Skin Sensitization (Cat. 1), Hazardous to Aquatic Environment — 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	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: 2 Reactivity: 0
HMIS Rating	Health: 1 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-250518, Lot BR-250516

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).