



Navy Heart Essential Oils

Calgary, Alberta, Canada

Tel: +1 (403) 901-6428 | navyheart.ca@gmail.com | navyheart.ca

SAFETY DATA SHEET (SDS)

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

Issue Date: May 21, 2026

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product Name	Sandalwood Essential Oil
Botanical Name	Santalum album
INCI Name	Santalum Album Wood Oil
CAS Number	8006-87-9
EINECS Number	284-211-1
Lot Number	BR-260126
Report Number	BR-260128
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
Skin Irritation — Category 2
Skin Sensitization — Category 1
Eye Irritation — Category 2A
Specific Target Organ Toxicity — Single Exposure — Category 3
Hazardous to Aquatic Environment — Acute — Category 1 (H400)

Signal Word	WARNING
Hazard Statements	
H315 — Causes skin irritation.	
H317 — May cause an allergic skin reaction.	
H319 — Causes serious eye irritation.	
H335 — May cause respiratory irritation.	
H400 — Very toxic to aquatic life.	
Precautionary Statements	
P261 — Avoid breathing dust/fumes/gas/mist/vapours/spray.	
P264 — Wash with plenty of water thoroughly after handling.	
P271 — Use only outdoors or in a well-ventilated area.	
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.	
P304+P340 — IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present — continue rinsing.	
P312 — Call a Poison Centre/doctor if you feel unwell.	
P333+P313 — If skin irritation or a rash occurs: Get medical advice/attention.	
P337+P313 — If eye irritation persists: Get medical advice/attention.	
P362 — Take off contaminated clothing.	
P391 — Collect spillage.	
P403+P233 — Store in a well-ventilated place. Keep container tightly closed.	
P405 — Store locked up.	
P501 — Dispose of contents/container to an approved waste disposal plant.	

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	EC Number	Concentration
Santalum Album Wood Oil	8006-87-9	284-211-1	≤100% (a-Santalol 45% and b-Santalol 19% Lot BR-260126)

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 from exposure to fresh air. Keep at rest and keep comfortable for breathing. Seek medical attention if symptoms appear.
Skin Contact	Remove contaminated clothing immediately. Wash thoroughly with soap and water, flush with plenty of water. Seek medical attention if irritation develops or persists.
Eye Contact	Rinse immediately 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	Rinse mouth with water. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.
Note to Physician	Symptomatic and supportive treatment recommended.

SECTION 5 — FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Foam extinguisher, dry powder, carbon dioxide (CO ₂). For large fires, water mist or spray may be used from a safe distance.
Unsuitable Extinguishing Media	Do not use direct water jet on burning material.
Special Hazards	Combustible material (flash point 136°C). Not classified as a flammable liquid under GHS. Closed containers may build up pressure when exposed to heat and should be cooled with water spray. Hazardous decomposition products may form at extreme heat.
Combustion Products	Carbon monoxide, carbon dioxide, and other non-identified organic compounds may form upon combustion — liable to cause smoke and acrid fumes.
Protective Equipment	Wear self-contained breathing apparatus (SCBA) and appropriate protective gear when fighting fire involving this product.
Additional Information	Flash Point: 136°C Product is not classified as a flammable liquid.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate all ignition sources. Avoid inhalation and direct contact with skin and eyes. Wear appropriate PPE (gloves, goggles, respirator). Ventilate area. Use self-contained breathing apparatus for major spills.
Environmental Precautions	Keep away from drains, soils, surface and ground water. Prevent entry to sewers and public waters. Report spills to appropriate authorities if required. This product is very toxic to aquatic life.
Containment & Cleanup	Remove all potential ignition sources. Contain spilled material. Cover spillage with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe local disposal regulations.

SECTION 7 — HANDLING AND STORAGE

Safe Handling	Handle in a well-ventilated area. Apply good manufacturing practices and industrial hygiene. Do not eat, drink, or smoke whilst handling. Avoid contact with skin and eyes. Avoid formation of aerosols. Use non-sparking tools. Prevent electrostatic discharge.
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. Store apart from foodstuff containers or incompatible materials.
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 sandalwood essential oil under Alberta OHS or NIOSH. No substances with occupational exposure limit values identified in this product.
Engineering Controls	Ensure adequate ventilation. Apply local ventilation where possible. Handle in accordance with good industrial hygiene and safety practice.
Eye / Face Protection	Tightly sealed safety goggles with side-shields conforming to NIOSH (US) or EN 166 (EU).
Skin Protection	Avoid all skin contact where possible. Wear chemically resistant gloves inspected prior to use. Wear fire/flame-resistant and impervious clothing. Wash and dry hands after handling.
Respiratory Protection	Avoid breathing product vapour. Apply local ventilation where possible. In case of insufficient ventilation, wear a suitable respiratory protection device with organic vapour cartridges.
Environmental Controls	Do not let product enter drains. Keep away from drains, soils, surface and ground water.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale yellow to golden yellow transparent liquid
Odour	Characteristic warm, sweet, woody aroma
Flash Point	136°C
Boiling Point	276°C
Relative Density (25°C)	0.974 (Lot BR-260126 CoA / Ref range: 0.968–0.983)
Refractive Index (25°C)	1.507 (Lot BR-260126 CoA) / Ref range: 1.495–1.509
Optical Rotation (25°C)	Ref range: –20.0° to –15.0°
Content / Purity	≥99% (Lot BR-260126 CoA)
Solubility	Soluble in 75% alcohol. Insoluble in water.
Light Sensitivity	Yes — store away from direct light; keep air contact to a minimum

SECTION 10 — STABILITY AND REACTIVITY

Reactivity	No significant reactivity hazard under normal conditions of use, by itself or in contact with water.
Chemical Stability	Stable under recommended storage conditions.
Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Heat sources, direct sunlight, air contact (oxidation sensitive).
Incompatible Materials	Strong acids, strong alkalis, and oxidizing agents.
Decomposition Products	Carbon monoxide, carbon dioxide, and other non-identified organic compounds may form during combustion; liable to cause smoke and acrid fumes.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Toxicity	No animal test data used. Acute toxicity data not available for Santalum album 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	May cause serious eye irritation. Classified as Eye Irritation Category 2A per GHS (H319). Prevent by wearing appropriate safety goggles.
Respiratory / STOT	May cause respiratory irritation. Classified as Specific Target Organ Toxicity — Single Exposure Category 3 per GHS (H335). Use only in well-ventilated areas.
Inhalation	Inhalation of high concentrations of vapour may cause irritation of eyes, nose, and throat, headache, nausea, and dizziness.
Aspiration Hazard	Not classified as presenting an aspiration hazard.
Ingestion	Low order toxicity. May cause irritation of the stomach and intestines resulting in nausea and vomiting. Seek medical attention.
Carcinogenicity	No component at $\geq 0.1\%$ identified as a known or probable carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive Toxicity	No adverse effects on reproduction are known.
Chronic Effects	May cause allergic reactions on skin with repeated or prolonged exposure.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic life (H400). May cause long-term adverse effects in the aquatic environment. Avoid any release to ground, surface, or underground water.
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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 material may be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Offer surplus and non-recyclable material to a licensed disposal company. Do not discharge to sewer systems or waterways. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

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. Controlled incineration with flue gas scrubbing is acceptable for combustible packaging materials.

SECTION 14 — TRANSPORT INFORMATION

TDG Canada (Land)	UN3082 — Environmentally Hazardous Substance, Liquid, n.o.s. (Sandalwood oil) — Class 9 — Packing Group III.
US DOT (Land)	UN3082 — Environmentally Hazardous Substance, Liquid, n.o.s. (Sandalwood oil) — Class 9 — PG III.
IMO/IMDG (Sea)	UN3082 — Environmentally Hazardous Substance, Liquid, n.o.s. (Sandalwood oil) — Class 9 — PG III — Marine Pollutant: Yes.
IATA (Air)	UN3082 — Environmentally Hazardous Substance, Liquid, n.o.s. (Sandalwood oil) — Class 9 — PG III.
Poison Inhalation Hazard	No
Environmental Hazard	Very 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: Skin Irritation (Cat. 2), Skin Sensitization (Cat. 1), Eye Irritation (Cat. 2A), STOT Single Exposure (Cat. 3), Hazardous to Aquatic Environment — Acute (Cat. 1).
SARA 302 Components	No chemicals in this material are subject to SARA Title III, Section 302 reporting requirements.
SARA 311/312 Hazards	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-260128, Lot BR-260126

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).