



Navy Heart Essential Oils

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SAFETY DATA SHEET (SDS)

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

Issue Date: May 18, 2026

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product Name	Grapefruit Essential Oil
Botanical Name	Citrus paradisi
INCI Name	Citrus Paradisi (Grapefruit) Peel Oil
CAS Number	8016-20-4
EINECS Number	289-904-6
Lot Number	260120
Supplier Report Number	BR-260129
Batch Date	January 28, 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 3
Skin Corrosion/Irritation — Category 2
Skin Sensitization — Category 1
Aspiration Hazard — Category 1
Hazardous to Aquatic Environment (Chronic) — Category 1
Signal Word: DANGER
Hazard Statements
H226 — Flammable liquid and vapour.

H304 — May be fatal if swallowed and enters airways.
H315 — Causes skin irritation.
H317 — May cause an allergic skin reaction.
H319 — Causes serious eye irritation.
H335 — May cause respiratory irritation.
H410 — Very toxic to aquatic life with long lasting effects.
Precautionary Statements
P210 — Keep away from heat, 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.
P243 — Take precautionary measures against static discharge.
P261 — Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264 — Wash hands thoroughly after handling.
P273 — Avoid release to the environment.
P280 — Wear protective gloves/clothing/eye protection/face protection.
P301+P330+P331 — IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 — IF ON SKIN (or hair): Remove 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.
P333+P313 — If skin irritation or rash occurs: Get medical advice/attention.
P391 — Collect spillage.
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
Citrus Paradisi (Grapefruit) Peel Oil, Natural	8016-20-4	289-904-6	99.20% (Limonene 94% - Lot BR-260120)
Note: Full constituent breakdown (GC/MS analysis) is currently in process and will be uploaded when it is available. Limonene is the primary constituent of Citrus paradisi peel oil.			

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 persist.
Skin Contact	Remove contaminated clothing immediately. Wash affected area thoroughly with soap and water. Seek medical attention if irritation develops or persists.
Eye Contact	Rinse cautiously with 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 — aspiration hazard. 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	Aspiration hazard — treat accordingly. Symptomatic and supportive treatment is recommended.

SECTION 5 — FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Foam, dry powder, carbon dioxide (CO ₂).
Combustion Products	Carbon oxides may form upon combustion.
Protective Equipment	Wear self-contained breathing apparatus (SCBA) and full chemical protective gear when fighting fire involving this product.
Additional Information	Use water spray to cool unopened containers exposed to fire.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions	Remove all ignition sources. Wear appropriate PPE (gloves, goggles, respirator). Ensure adequate ventilation. Keep people upwind and away from the spill area.
Environmental Precautions	Prevent entry into drains, sewers, or waterways. Notify local authorities if product enters public waters.
Containment & Cleanup	Absorb with inert material (e.g., sand or vermiculite). Collect in sealed, labelled containers for proper disposal. Use spark-proof tools only.

SECTION 7 — HANDLING AND STORAGE

Safe Handling	Handle in a well-ventilated area away from heat, sparks, and open flames. Avoid contact with skin and eyes. Avoid formation of aerosols. Use non-sparking tools. Prevent electrostatic discharge. Wash hands after handling.
Storage Conditions	Store in tightly closed containers in a cool, dry, well-ventilated place below 25°C / 77°F. Keep away from direct sunlight, food, drink, and animal feed.
Incompatibilities	Strong oxidizing agents.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	Ensure adequate ventilation. Use local exhaust ventilation where necessary to minimize vapour concentrations.
Eye / Face Protection	Wear tightly fitted safety goggles with side-shields.
Skin Protection	Wear chemical-resistant gloves. Inspect gloves before use. Wear solvent-resistant clothing if prolonged contact is likely.
Respiratory Protection	In conditions of insufficient ventilation or if vapour concentrations are high, use a full-face respirator with organic vapour cartridge.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear to light yellow liquid
Odour	Fresh, sweet citrus aroma characteristic of grapefruit
Flash Point	>46.67°C / >116°F

Relative Density (25°C)	0.843 g/mL (Lot BR-260120 CoA) / Ref range: 0.8330–0.8692
Refractive Index (20°C)	1.476 (Lot BR-260120 CoA) / Ref range: 1.471-1.479
Optical Rotation	97 - Conforming: +85° to +105° (Lot BR-260120 CoA)
Solubility	Soluble in alcohol and fixed oils. Insoluble in water.
Purity	99.20% (Lot BR-260120 CoA)

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

SECTION 11 — TOXICOLOGICAL INFORMATION

Inhalation	High concentrations of vapour may cause irritation of the eyes, nose, and throat, as well as headache, nausea, and dizziness.
Skin Contact	May cause skin irritation or an allergic skin reaction in susceptible individuals.
Eye Contact	Causes serious eye irritation.
Ingestion	Aspiration hazard — may be fatal if swallowed and enters airways. May cause irritation of the stomach and intestines.
Photo-Toxicity	Cold-pressed grapefruit peel oil may be phototoxic. Avoid direct UV exposure or sunlight on skin after topical application.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic life with long lasting effects (H410). Classified as a marine pollutant. Avoid any release to ground, surface, or underground water.
Other Effects	Do not allow product to enter drains, sewers, or natural waterways.

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of product and contaminated materials in accordance with local, provincial (Alberta), and federal Canadian regulations. Do not pour down drains or into waterways. Arrange disposal via a licensed chemical waste contractor or controlled incineration facility with flue gas scrubbing.

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	1197
Proper Shipping Name	Extracts, liquid
Transport Hazard Class	3 (Flammable Liquid)

Packing Group	III
TDG Canada (Land)	UN1197 — Extracts, liquid — Class 3 — PG III
IMO/IMDG (Sea)	UN1197 — Extracts, liquid — Class 3 — PG III — Marine Pollutant
IATA (Air)	UN1197 — Extracts, liquid — Class 3 — PG III

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 (Cat. 2), Eye Irritation (Cat. 2), Skin Sensitization (Cat. 1), STOT SE (Cat. 3), Aspiration Hazard (Cat. 1), Aquatic Toxicity — Chronic (Cat. 1).
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 311/312 Hazards	Fire Hazard, Acute Health Hazard.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by 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	1.1
Issue Date	May 18, 2026
Prepared By	Navy Heart Essential Oils, Calgary, Alberta, Canada
Source Documents	Supplier MSDS CoA Report No. BR-260129, Lot BR-260120

Version	Date	Summary of Changes
1.0	May 18, 2026	Initial issue.

Disclaimer: The information in this Safety Data Sheet is based on data provided by the raw material supplier 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 the 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).