

MSDS

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name Guaiacwood Essential Oil
Botanical / INCI Name *Bulnesia Sarmientoi* Wood Oil
CAS No. 8016-23-7
EINECS No. 289-632-8
Country of Origin Paraguay
Plant Part Wood
Extraction Method Steam Distillation
Recommended Use Cosmetic, fragrance, perfumery and aromatherapy ingredient
Product Use: Cosmetic, soap, fragrance and industrial applications
Supplier: Botanic Planet Canada Inc.
Address: 2 Bram Court, Unit #3, Brampton, Ontario, L6W 3R6, Canada
Emergency Telephone: (613) 996-6666 CANUTEC – 24 Hour Emergency

2. HAZARD IDENTIFICATION

GHS Classification:

Flammable Liquids - Category 3

Aspiration Hazard - Category 1

Skin corrosion/irritation - Category 2

Skin Sensitization - Category 1

Hazardous to aquatic environment - Acute - Category 2

Hazardous to the aquatic environment, long-term hazard - Category 2

GHS Label elements, including precautionary statements



Signal: Warning

Hazard statement(s)

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.

H401 Toxic to aquatic life.

H411 Toxic to aquatic life with long-lasting effects.

Precautionary statement(s)

P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Concentration
<i>Bulnesia Sarmientoi</i> Wood Oil	8016-23-7	100%
Guaiol	—	25–74%*
Bulnesol	—	40–45%*

SECTION 4 — FIRST-AID MEASURES

Eye Contact: Rinse cautiously with clean water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing. If irritation, redness or sensitization develops, obtain medical advice.

Inhalation: Move affected person to fresh air. Seek medical attention if symptoms persist.

Ingestion: Rinse mouth. Do not induce vomiting. Contact a physician or poison centre if swallowed or if symptoms occur.

SECTION 5 — FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, carbon dioxide (CO₂), foam or water fog.

Unsuitable Media: Avoid directing a strong water jet onto burning material.

Specific Hazards: Combustion may generate irritating smoke and carbon oxides.

Protective Equipment: Firefighters should use appropriate protective clothing and self-contained breathing apparatus when necessary.

A published technical specification reports a flash point of approximately 120°C, while another supplier reports 139°C closed cup, illustrating normal source/method variation. No batch-specific flash point was supplied for lot BPCGWEOO72025, so neither value is assigned as the tested result for this batch.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Wear appropriate protective gloves and eye protection. Avoid skin and eye contact. Prevent concentrated material from entering drains, waterways or soil.

Contain the spill using inert absorbent material such as sand, earth or suitable commercial absorbent. Collect into a suitable closed container for disposal according to applicable regulations. Clean the affected surface thoroughly.

SECTION 7 — HANDLING AND STORAGE

Handle in a well-ventilated area. Avoid direct contact with eyes and prolonged contact with skin. Keep containers tightly closed when not in use.

Store in a cool, dry, well-ventilated area, protected from direct sunlight, excessive heat and ignition sources. Guaiac wood oil is naturally viscous and may become semi-solid/solid depending on temperature. The supplied specification states that it melts at approximately 40–50°C, which is also reported in technical literature.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: No product-specific occupational exposure limit supplied.

Eye Protection: Safety glasses/goggles recommended when handling bulk quantities.

Hand Protection: Chemical-resistant protective gloves recommended.

Respiratory Protection: Normally not required with adequate ventilation under ordinary handling conditions.

Hygiene: Wash hands after handling. Do not eat, drink or smoke while handling concentrated material.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification / Result
Physical State	Viscous liquid; may solidify at room temperature
Appearance	Light yellow to amber colored viscous liquid
Odour	Sweet, dry, woody, floral-rosy
Solubility	Soluble in alcohols and fixed oils; insoluble in water
Refractive Index	1.492–1.508 @ 20°C
Test Result	1.502
Specific Gravity	0.950–0.990 g/mL @ 20°C
Test Result	0.980
Optical Rotation	–12° to –2°
Test Result	Conforms
Melting/Solidification Behaviour	Approximately 40–50°C
Guaiol	25–74%
Bulnesol	40–45%

The characteristic viscous/semi-solid state, woody odour, Paraguay origin and related physical characteristics are consistent with published guaiacwood technical data.

SECTION 10 — STABILITY AND REACTIVITY

Stability: Stable under recommended handling and storage conditions.

Conditions to Avoid: Excessive heat, flames, ignition sources and prolonged exposure to light/air.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and irritating smoke may be produced during combustion.

Hazardous Polymerization: Not expected under normal conditions.

SECTION 11 — TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Skin contact, eye contact, inhalation of vapours/mist and accidental ingestion.

Skin: Concentrated oil may cause irritation. Sensitization may occur in susceptible individuals.

Eyes: Direct contact may cause irritation.

Inhalation: High concentrations of vapour or mist may cause respiratory discomfort.

Ingestion: Not intended for ingestion under this product specification.

Specific batch toxicological test data were not supplied.

SECTION 12 — ECOLOGICAL INFORMATION

Avoid uncontrolled release of concentrated essential oil into drains, soil or natural waterways.
A published guaiaacwood SDS classifies the material as harmful to aquatic life and potentially capable of long-lasting aquatic effects; however, no batch-specific ecotoxicity testing was supplied for this lot.

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of product residues, contaminated absorbents and packaging according to applicable federal, provincial and local regulations.

Do not discharge concentrated product into drains or waterways.

SECTION 14 — TRANSPORT INFORMATION

Transport classification: Not established from the product specifications supplied.

Because a batch-specific flash point and transport classification were not provided, this MSDS does not assign a UN number, TDG/ADR/IMDG/IATA class or packing group. Published reference flash points vary by source and should not be substituted for actual transport classification of this specific lot.

SECTION 15 — REGULATORY INFORMATION

CAS: 8016-23-7

EINECS: 289-632-8

INCI: Bulnesia Sarmientoi Wood Oil

The U.S. EPA substance registry identifies CAS 8016-23-7 as Oils, guaiaac wood, derived from *Bulnesia sarmientoi*. Regulatory requirements vary by jurisdiction and intended finished-product application. Users are responsible for determining applicable cosmetic, workplace, environmental and transportation requirements.

SECTION 16 — OTHER INFORMATION

Product: Guaiaacwood Essential Oil

Origin: Paraguay

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