



MATERIAL SAFETY DATA SHEET(MSDS) OF PREMIUM CINNAMON BARK OIL

1.PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name : Premium Cinnamon Bark Oil
Product Use : Fragrances and flavours
Company Name : Serendiva Limited
Company Address : Horsham RH12 4DX, United Kingdom
Telephone : +44 7507849902

2.COMPOSITION/INGREDIENT INFORMATION

Trade Name : Premium Cinnamon Bark Oil
INCI Name : *Cinnamomum zeylanicum*
Generic Name : Ceylon cinnamon

3. HAZARDS IDENTIFICATION

IMERGENCY OVERVIEW:

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS). -

Hazard Statements: **May cause skin irritation and sensitization.** Repeated or prolonged exposure may cause skin dryness or cracking. Avoid contact with eyes, skin, and clothing.

Major Health Hazards: No significant acute toxicity has been identified; however, sensitive individuals may experience irritation upon repeated exposure.

Eyes : Do not rub eyes. wash eyes with plenty of water

Ingestion : Do not induce vomiting; consult physician immediately. Never give anything by mouth to an unconscious person.

Inhalation : Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.



4.FIRST AID MEASURES

Inhalation: First aid is not generally required. Move the exposed person to fresh air if any discomfort occurs. If irritation, coughing, or breathing difficulties persist, seek medical attention.

Skin Contact: Cinnamon bark oil may cause mild skin irritation or sensitization in some individuals. If irritation occurs, remove contaminated clothing and flush the affected area with lukewarm, gently flowing water for at least 5 minutes or until the oil is removed. If redness, itching, or burning persists, obtain medical advice.

Eye Contact: Immediately flush the affected eye(s) with lukewarm, gently flowing water for several minutes while holding the eyelids open. Remove contact lenses if present and easy to do. Continue rinsing until the product is completely removed. Seek medical attention if irritation, redness, or pain persists.

Ingestion: If swallowed, **do not induce vomiting**. Rinse mouth thoroughly with water and give small sips of water to drink. Never give anything by mouth to an unconscious person. If nausea, vomiting, or abdominal discomfort develops, seek medical advice immediately.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards: Cinnamon Bark Oil is a flammable liquid. Vapors may form explosive mixtures with air, especially in confined spaces. Containers exposed to heat may rupture. Combustion produces irritating and toxic fumes, including carbon monoxide (CO) and carbon dioxide (CO₂). Take suitable protective measures.

Extinguishing Media: Use foam, dry chemical powder, carbon dioxide (CO₂), or water spray/mist. Do not use a direct water jet as it may spread the fire.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. Firefighters should wear self-contained breathing apparatus (SCBA) and protective clothing. Cool containers with water spray to prevent explosion due to heat. Fight fire from a safe distance and upwind.

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Flash Point

Approximately 65°C (149°F) (varies slightly depending on composition)

Upper Flammability Limit (UFL): Not determined

Lower Flammability Limit (LFL): Not determined

Autoignition Temperature: Not determined (may ignite if exposed to high heat or flame).

Flammability Class: Flammable liquid (GHS Category 3)

6.ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

Accidental release: Eliminate all ignition sources. Avoid inhalation of vapors and contact with skin or eyes. Ventilate the area. Absorb spilled material with inert absorbent material such as vermiculite, sand, or earth. Collect and place in suitable containers for disposal according to local regulations. Wash spill area with soap and water after material pick-up is complete. Dispose of contaminated cleaning materials safely. Contaminated clothing should be thoroughly washed before reuse.

7. HANDLING AND STORAGE

Handling:

Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors. Use only with adequate ventilation. Keep away from heat, sparks, open flames, and hot surfaces — *No smoking*. Ground and bond containers when transferring liquid.

Storage:

Store in tightly closed containers in a cool, dry, and well-ventilated area, away from direct sunlight and ignition sources. Protect from heat and incompatible materials (strong oxidizers). Store only in approved containers made of glass, aluminum, or suitable lined steel.

8.EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Guidelines:

No established occupational exposure limits for Cinnamon Bark Oil. Handle as a sensitizing essential oil.

Personal Protective Equipment (PPE):

Ventilation: Use with adequate local exhaust ventilation to maintain airborne concentrations below exposure limits. In case of inadequate ventilation, wear suitable respiratory protection.

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Eye Protection: Safety goggles or protective glasses should be worn to prevent eye contact.

Skin Protection: Wear protective gloves (nitrile rubber recommended). Avoid prolonged or repeated skin contact. Protective clothing (lab coat, apron) is recommended for bulk handling.

Respiratory Protection: Not normally required for small-scale use. For bulk handling or where exposure limits may be exceeded, use an approved respirator suitable for organic vapors.

General Hygiene Measures: Wash hands thoroughly after handling. Remove contaminated clothing and wash before reuse. Do not eat, drink, or smoke while handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to pale yellow or golden brown liquid

Odor: Warm, spicy, characteristic cinnamon odor

Odor Threshold: Not established

pH: Not applicable (oil, insoluble in water)

Melting Point/Freezing Point: Not determined (liquid at room temperature)

Initial Boiling Point and Range: Approx. 248–260 °C (decomposes)

Flash Point: 88 °C , closed cup

Relative Density (at 25 °C): 1.03 – 1.05 g/cm³

Solubility: Insoluble in water; soluble in alcohol and oils

Decomposition Temperature: Not determined

Viscosity: Mobile liquid



10. STABILITY AND REACTIVITY

Reactivity:

Cinnamon Bark Oil is stable and not expected to react or decompose under normal storage and handling conditions. If there are any concerns regarding stability or shelf-life, please consult the supplier.

Conditions to Avoid:

Avoid prolonged exposure to heat, direct sunlight, and open flames. Store in tightly closed containers in a cool, well-ventilated area.

Incompatibilities:

Avoid strong oxidizing agents (e.g., peroxides, chlorine, nitric acid) which may react with essential oils. No other specific incompatibilities are known.

Fire Decomposition:

In case of fire, thermal decomposition of Cinnamon Bark Oil may produce carbon dioxide, and in incomplete combustion, carbon monoxide and smoke. Depending on conditions, small amounts of nitrogen oxides, sulfur oxides (sulfur dioxide is a respiratory hazard), and other irritating or toxic fumes may be released. Combustion products are likely to have a pungent or irritating odor. Carbon monoxide exposure may cause headache, dizziness, nausea, weakness, confusion, and in severe cases, unconsciousness or death.

Polymerization:

This product will not undergo hazardous polymerization reactions.

11. TOXICOLOGICAL INFORMATION

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Target Organs: Skin, eyes, and respiratory system may be affected upon overexposure.

Acute Effects: Cinnamon Bark Oil may cause skin irritation and sensitization in sensitive individuals. Prolonged or repeated contact can cause dermatitis. Inhalation of vapors may cause respiratory irritation, coughing, or discomfort. Ingestion may cause gastrointestinal irritation, nausea, or abdominal pain.

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Chronic Effects: Prolonged skin contact may result in allergic reactions or sensitization. No chronic systemic toxicity expected at normal exposure levels.

Classification of Hazardous Ingredients: Contains cinnamaldehyde and eugenol, which are present at concentrations that may cause irritation or sensitization.

Carcinogen Status:

- **ASCC:** No significant ingredient is classified as carcinogenic.
- **NTP:** No significant ingredient is classified as carcinogenic.
- **IARC:** No significant ingredient is classified as carcinogenic.

12.ECOLOGICAL INFORMATION

Cinnamon Bark Oil is biodegradable and not expected to persist in the environment. However, due to its high biological activity, large quantities released into soil or water may be harmful to aquatic organisms. It is not likely to bioaccumulate significantly or cause long-term environmental problems if handled responsibly.

13. DISPOSAL CONSIDERATION

Disposal: Small quantities may be diluted with water and disposed of down the drain with plenty of running water, in accordance with local regulations.

Large quantities: Dispose of via an approved waste disposal contractor. Do not release directly into drains, waterways, or soil.

14.TRANSPORATION INFORMATION

DOT: Not Regulated

TDG: Not Regulated

MEX: Not Regulated

IMDG: Not Regulated

IATA: Not Regulated

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15.REGULATORY INFORMATION

US Federal Regulations: Cinnamon Bark Oil is not classified as a "Hazardous Chemical" under OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA/SARA Hazardous Substances: Not applicable.

CERCLA (Superfund) Reportable Quantity: None.

SARA 1986 Hazard Categories:

Immediate Hazard – Yes (skin/respiratory irritation possible).

Delayed Hazard – No.

Fire Hazard – Yes (flammable liquid, though not highly volatile).

Pressure Hazard – No.

Reactivity Hazard – No.

Section 311 Hazardous Chemical: Yes (due to sensitization/irritation potential).

16.ADDITIONAL INFORMATION

This information is provided for documentation purpose only.

This product is not considered hazardous.

Cinnamon Bark Oil should be considered as an irritant and potential sensitizer, and handled with care. The information contained in this Material Safety Data Sheet is based on technical and regulatory data considered accurate as of the date of issue. It does not constitute a warranty, expressed or implied, as to the accuracy or completeness of the information contained herein. Since the actual conditions of handling, storage, and use are beyond our control, no warranty or guarantee is expressed or implied regarding the results to be obtained from its use. The supplier assumes no responsibility for injury to the user or third persons, or for any damage to any property resulting from misuse or mishandling of the product.

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