

**SAFETY DATA SHEET (SDS)**

Version 2.0

Revision Date : April 21, 2022

Print Date : May 6, 2024

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Cinnamon Bark Essential Oil (Madagascar)
Botanical name	:	Cinnamomum zeylanicum
INCI name	:	Cinnamomun Zeylanicum Bark Oil
CAS #	:	84649-98-9/8015-91-6
Country of Origin	:	Madagascar
EINECS #	:	283-479-0
Product use	:	Domestic and Industrial
Supplier	:	New Directions Aromatics Inc.
Address	:	6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Fax	:	905-362-1926
Telephone number	:	905-362-1915
Emergency phone number	:	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

### GHS Classification

Acute toxicity - Oral - Category 5

Acute Toxicity - Dermal - Category 3

Skin corrosion / irritation - Category 2

Eye irritation - Category 2A

Skin sensitization - Category 1

Carcinogenicity - Category 1A, 1B

Hazardous to aquatic environment - Acute - Category 2

Hazardous to aquatic environment - Chronic - Category 2

### GHS Label elements, including precautionary statements

Signal: Danger

### Hazard statement(s)

H303	May be harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction
H319	Causes serious eye damage.
H350	May cause cancer.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long-lasting effects.

#### **Precautionary statement(s)**

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust, fume, gas, mist, vapours, spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P281	Use personal protective equipment as required.
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.
P308+P313	If exposed: Call a POISON CENTER or doctor/physician.
P310	Immediately call a POISON CENTER/doctor
P312	Call a POISON CENTER/ doctor/if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P361	Take off immediately all contaminated clothing.
P362	Take off contaminated clothing.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes.

### **3. COMPOSITION / INFORMATION INGREDIENTS**

<b>Product Name</b>	<b>CAS NO</b>	<b>EC NO</b>	<b>Concentration</b>
Cinnamaldehyde	104-55-2	-	45 -75 %
Cinnamyl acetate	103-54-8	-	Less than 10 %
Beta caryophyllene	87-44-5	-	Less than 10 %
Para cymene	99-87-6	-	Less than 5 %
Eugenol	97-53-0	-	4 - 6 %
Linalool	78-70-6	-	2 - 4 %
Benzyl benzoate	120-51-4	-	1 - 3 %
Limonene	138-86-3	-	Less than 2 %

Camphene	79-92-5	-	Less than 1 %
Safrole	94-59-7	-	0.1 - 0.5 %
Terpinolene	586-62-9	-	Less than 0.5 %

#### 4. FIRST AID MEASURES

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##### **Eye contact**

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

##### **Skin contact**

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

##### **Inhalation**

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

##### **Ingestion**

Do not induce vomiting. Seek medical attention or contact local poison control center.

#### 5. FIRE FIGHTING MEASURES

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##### **Suitable extinguishing media**

Carbon dioxide. Foam. Dry Powder. Carbon dioxide.

##### **Unsuitable extinguishing media**

Water spray, water jet.

##### **Special protective equipment and precautions for fire-fighters**

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

##### **Special hazards arising from the substance or its combustible products**

Hazardous decomposition products may be formed at extreme heat or if burned.

##### **Resulting gases**

Carbon oxides.

#### 6. ACCIDENTAL RELEASE MEASURES

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##### **Personal precautions, protective equipment and emergency procedures.**

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

##### **Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

##### **Methods and materials for containment and cleaning up**

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

#### 7. HANDLING AND STORAGE

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##### **Precautions for safe handling**

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

##### **Conditions for safe storage, including any incompatibilities**

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### Exposure controls

Odor is inadequate to warn of overexposure.

### Eyes

Use tightly sealed goggles.

### Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

### Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

### Ingestion

Not for ingestion.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	:	Clear pale yellow to orange liquid.
Odor	:	Characteristic sweet cinnamon odor.
Melting Point/Freezing Point	:	-7.5 °C
Initial b.p and boiling range	:	249 °C
Flash point	:	>100°C
Relative density	:	1.00 to 1.03 @ 25°C
Solubility (ies)	:	Insoluble in water. 1:2-1:3 in 70% ethanol. Insoluble in water.
Refractive index	:	1.5700 to 1.5900 @ 20°C
Optical rotation	:	-4° to + 4° @ 20°C

## 10. STABILITY AND REACTIVITY

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### Reactivity

This material presents no significant reactivity hazard.

### Chemical stability

Chemically stable.

### Conditions to avoid

Avoid sparks, flame and other heat sources.

### Incompatible materials

Strongly oxidizing and reducing agents.

### Hazardous decomposition products

Carbon Oxides.

## 11. TOXICOLOGICAL INFORMATION

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### Acute toxicity

Acute toxicity, oral:

LD50 (mg/Kg) : 3,800.

Acute toxicity, dermal:

LD50 (mg/Kg) : 700

### Chronic toxicity

May cause allergic reactions on skin.

### Inhalation

Can be noxious. Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

**Skin contact**

Adverse skin effects should be prevented by normal care and personal hygiene.

**Eye contact**

Possible irritation should be prevented by wearing safety glasses.

**Ingestion**

Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting

**Serious eye damage**

Serious eye damage/eye irritation.

**Aspiration hazard**

Can be noxious.

## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity**

Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

**Persistence and degradability**

Not available.

**Bio - accumulative potential**

Not available.

**Mobility in soil**

Not available.

**Other adverse effects**

Not available.

## 13. DISPOSAL CONSIDERATION

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Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

## 14. TRANSPORT INFORMATION

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**UN Number**

2810

**UN proper shipping name**

Toxic liquid, organic, n.o.s. (Cinnamon Oil)

**Transport hazard class**

6.1

**Packing group**

III

**US DOT Shipping Description (Land)**

2810

**Proper shipping name**

Toxic liquid, organic, n.o.s. (Cinnamon Oil)

**Class**

6.1

**Packaging group**

III

**IMO-IMDG Shipping Description (Sea)**

2810

**Proper shipping name**

Toxic liquid, organic, n.o.s. (Cinnamon Oil)

**Class**

6.1

**Packaging group**

III

**IMO-IMDG code**

2810

**IATA Shipping Description (Air)**

2810

**Proper shipping name**

Toxic liquid, organic, n.o.s. (Cinnamon Oil)

**Class**

6.1

**Packaging group**

III

**15. REGULATORY INFORMATION**

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**California Proposition 65**

- This product can expose you to Safrole, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).
- This product can expose you to beta-Myrcene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**GHS Hazard Statements**

Please refer to section 2.

**GHS Precautionary Statements**

Please refer to section 2.

**16. OTHER INFORMATION**

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Revision date : April 21,2022

**Disclaimer & Caution**

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agree that jurisdiction is limited to the province of Ontario, Canada.