

**SAFETY DATA SHEET (SDS)**

Version 2.0

Revision Date : April 21, 2022

Print Date : March 20, 2024

## 1. PRODUCT AND COMPANY IDENTIFICATION

|                        |   |  |
|------------------------|---|--|
| Product name           | : | Cinnamon Leaf Organic Essential Oil                      |
| Botanical name         | : | Cinnamomum zeylanicum                                    |
| Synonyms               | : | Sri Lanka Organic Cinnamon Bark Oil, Cinnamomum verum.   |
| INCI name              | : | Cinnamomum Zeylanicum Leaf Oil                           |
| CAS #                  | : | 84649-98-9/8015-91-6                                     |
| Country of Origin      | : | Sri Lanka  |
| 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 4

Skin irritation - Category 3

Skin sensitization - Category 1

Serious eye irritation - Category 2A

Germ cell mutagenicity - Category 1A, 1B

Carcinogenicity - Category 1A, 1B

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

### GHS Label elements, including precautionary statements

Signal: Danger

### Hazard statement(s)

|      |  |
|------|--|
| H302 | Harmful if swallowed.                            |
| H315 | Causes skin irritation.                          |
| H317 | May cause an allergic skin reaction.             |
| H319 | Causes serious eye irritation.                   |
| H335 | May cause respiratory irritation.                |
| H341 | Suspected of causing genetic defects.            |
| H350 | May cause cancer.                                |
| 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/fumes/gas/mist/vapours/spray.   |
| P264           | Wash skin thoroughly after handling.   |
| P270           | Do not eat, drink or smoke when using this product.  |
| 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.   |
| P301+P312      | IF SWALLOWED: Call a POISON CENTER/doctor/if you feel unwell.  |
| P302+P352      | IF ON SKIN: Wash with plenty of 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.  |
| P321           | Specific treatment (see section 4 on this label).  |
| P330           | Rinse mouth.   |
| 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.   |
| P362           | Take off contaminated clothing.  |
| P363           | Wash contaminated clothing before reuse.   |
| P405           | Store locked up.   |
| P501           | Dispose of contents/container according to local regulations.  |

#### **Other Info**

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

| <b>Product Name</b> | <b>CAS NO</b> | <b>EC NO</b> | <b>Concentration</b> |
|---------------------|---------------|--------------|----------------------|
| Eugenol             | 97-53-0       | -            | 70 - 85 %            |
| Benzyl benzoate     | 120-51-4      | -            | < 4 %                |
| Cinnamaldehyde      | 104-55-2      | -            | < 3 %                |
| Cinnamyl Alcohol    | 104-54-1      | -            | < 1 %                |
| Eugenol Acetate     | 93-28-7       | -            | 0.5 - 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

Seek medical attention or contact local poison control center.

## 5. FIRE FIGHTING MEASURES

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### Suitable extinguishing media

Foam. Dry Powder. Carbon dioxide.

### 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

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**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                    | : | Yellow to brownish yellow liquid.                |
| Odor                          | : | Characteristic cinnamon odor.                    |
| Melting Point/Freezing Point  | : | - 7.5 °C   |
| Initial b.p and boiling range | : | Not available.                                   |
| Flash point                   | : | 87.78°C  |
| Vapor pressure                | : | 3.85 Pa (0.0289 mmHg)                            |
| Relative density              | : | 1.030 to 1.050 @ 20°C                            |
| Solubility (ies)              | : | Soluble in alcohol and oils. Insoluble in water. |
| Refractive index              | : | 1.529 to 1.540 @ 25°C                            |
| Optical rotation              | : | 0.0° to +2.0° @ 25°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**

Strong oxidizing agents.

**Hazardous decomposition products**

Carbon Oxides.

**11. TOXICOLOGICAL INFORMATION**

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**Acute toxicity**

LD50 Oral - Rat - 2,650 mg/kg

LD50 Dermal - Rabbit - > 5,000 mg/kg

**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**Chronic toxicity**

May cause allergic reactions on skin.

#### **Inhalation**

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

#### **Repeated exposure**

Repeated or prolonged contact may cause redness, irritation and scaling of skin (Dermatitis).

### **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.

### **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**

Not regulated.

#### **US DOT Shipping Description (Land)**

Not regulated.

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

Not regulated.

#### **IATA Shipping Description (Air)**

Not regulated.

#### **Emergency action in case of accident**

Notify police and fire department immediately

### **15. REGULATORY INFORMATION**

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#### **California Proposition 65**

- This product can expose you to Methyleugenol, 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).
- 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).

#### **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.