

SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : April 21, 2022

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Cinnamon Bark Organic Essential Oil
Botanical name	:	Cinnamomum zeylanicum
INCI name	:	Cinnamomum Zeylanicum Bark 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

Flammable liquids - Category 4

Skin Corrosion/Irritation - Category 2

Skin Sensitization - Category 1

Serious eye damage/irritation - Category 2A

Germ Cell mutagenicity - Category 2

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)

H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H411	Toxic to aquatic life with long-lasting effects.

Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust, fume, gas, mist, vapours, spray.
P264	Wash skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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.
P332+P313	If skin irritation occurs : Get medical advice.
P333+P313	If skin irritation or rash occurs : Get medical advice.
P337+P313	If eye irritation persists get medical advice/attention.
P361	Take off immediately all contaminated clothing.
P370+P378	In case of fire: Use appropriate fire extinguisher to extinguish.
P403+P235	Store in a well ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container according to local regulations.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Cinnamaldehyde	-	-	85 - 30 %
Cinnamyl acetate	-	-	15 - 0.4 %
Eugenol	-	-	35 - 1 %
Linalool	-	-	Less than 6 %
Limonene	-	-	Less than 1 %
Safrole	-	-	Less than 0.45 %
Benzyl benzoate	-	-	Less than 0.15 %
Coumarin	-	-	Less than 0.01 %

4. FIRST AID MEASURES

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

Rinse mouth with water. Seek medical attention or contact local poison control center.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

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

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

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

Eyes

Use tightly sealed goggles.

Skin

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

Respiratory

Use suitable respiratory protective device only when vapors are generated.

Ingestion

Not for ingestion.

Control parameters

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use mechanical exhaust or laboratory fume hood to avoid exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear yellow to brownish yellow liquid.
Odor	:	Characteristic cinnamon odor.
Melting Point/Freezing Point	:	-7.5 °C
Initial b.p and boiling range	:	249°C @ 760 mmHg

Flash point	:	71.11°C
Vapor pressure	:	3.85 Pa (0.0289 mmHg)
Relative density	:	0.9752 to 1.0290 @ 20°C
Solubility (ies)	:	soluble in alcohol.
Refractive index	:	1.5453 to 1.5910 @ 25°C
Optical rotation	:	-1.5° to + 2.0° @ 25 °C

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Polytheen and strong oxidizing agents.

Hazardous decomposition products

Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity

LD50 (mg/Kg) : 2,650 (Rat)

Acute dermal toxicity

LD50 (mg/Kg) : > 5,000 (Rabbit)

Carcinogenicity

May cause cancer.

Chronic toxicity

May cause allergic reactions on skin.

Mutagenicity

Suspected of causing genetic defects.

Respiratory or skin sensitization

Immediate effect: Burning sensitization.

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

Ecotoxicity

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

Persistence and degradability

Sensitivity to air, light, Oxidizing Agent, Acid and Alkali however long-term degradation product may be arise.

Bio - accumulative potential

This product is unlikely to accumulate in the environment.

Mobility in soil

Some little portion dissolve in the water and move.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATION

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

14. TRANSPORT INFORMATION

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

TSCA

All products are listed on the United States TSCA inventory.

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.
- 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.

GHS Hazard Statements

Please refer to section 2.

GHS Precautionary Statements

Please refer to section 2.

16. OTHER INFORMATION

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.