

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Cinnamon Bark Essential Oil
Product code	EO-CINBK
Botanical name	Cinnamomum zeylanicum
CAS #	8015-91-6
Product use	Domestic and Industrial
Supplier	WFMed
Address	8245 Backlick Rd Unit D, Lorton VA 22079 USA
Telephone number	888-WFMED-97 (888-936-3397)
Emergency phone number	888-WFMED-97 (888-936-3397)

2. HAZARD(S) IDENTIFICATION

GHS Hazard Classification

Flammable liquids - Category 4 - H227
Acute toxicity, oral - Category 5 - H303
Acute toxicity, dermal - Category 4 - H312
Skin corrosion/irritation - Category 2 - H315
Sensitisation, Skin - Category 1 - H317
Serious eye damage/eye irritation - Category 2A - H319
Hazardous to the aquatic environment, acute hazard - Category 2 - H401
Hazardous to the aquatic environment, long-term hazard - Category 2 - H411

GHS Label Elements

Pictogram
Signal Word



Warning

Hazard Statements

H227	Combustible liquid.
H303	May be harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements - Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.

P264 Wash face, hands and any exposed skin thoroughly after handling.

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.

Precautionary Statements - Response

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.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P370+P378 In case of fire: CO2, dry chemical, or foam to extinguish.
 P391 Collect spillage.

Precautionary Statements - Storage

P403+P235 Store in a well ventilated place. Keep cool.

Precautionary Statements - Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Hazards Not Otherwise Classified (HNOC)

No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Product Name</u>	<u>CAS NO</u>	<u>Concentration</u>
Cinnamic aldehyde	104-55-2	70 - 80%
Eugenol	97-53-0	5 - 10%
Linalool	78-70-6	5 - 10%
Eucalyptol	470-82-6	1 - 5%
β-Caryophyllene	87-44-5	1 - 5%
Benzyl benzoate	120-51-4	1 - 5%
Limonene	5989-27-5	0.1 - 1%
Cinnamic alcohol	104-54-1	0.1 - 1%
Coumarin	91-64-5	0.1 - 1%
β-Pinene	127-91-3	0.1 - 1%
Terpinolene	586-62-9	0.1 - 1%
α-Pinene	80-56-8	< 0.1%

4. FIRST-AID MEASURES

Description of first aid measures

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact

Wash with soap and plenty of water. Consult physician if irritation occurs.

Inhalation

Remove from exposure and move to fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion

Do NOT induce vomiting. Clean mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.

Most important symptoms and effects, both acute and delayed

No data available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical

No data available.

Special protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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

Contain and collect spillage with non-combustible absorbent material (sand, earth, diatomaceous earth), and place in container for disposal according to local/national regulations.

Methods for cleaning up

Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Do not breathe vapours or spray mist. Use product only in closed system. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and

open flame. No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

Conditions for safe storage, including any incompatibilities

Storage conditions

Keep in a dry, cool and well-ventilated place. Keep out of reach of children. Avoid direct sunlight and sources of heat or ignition.

Incompatible materials

Strong oxidizing agents.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

<u>Component</u>	<u>OSHA PEL (TWA)</u>	<u>ACGIH TLV (TWA)</u>	<u>ACGIH TLV (STEL)</u>	<u>California PEL (TWA)</u>
β -Pinene (127-91-3)	-	20 PPM	-	-
α -Pinene (80-56-8)	-	20 PPM	-	-

Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/Face protection: Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin/Body protection: Avoid contact with skin. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practices. Avoid breathing (dust, vapor, mist, gas). Regular cleaning of equipment, work area, and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Yellow
Odor	Characteristic
Boiling point	> 35°C (95°F)
Flash point	82°C (180°F)
Specific gravity (@ 20°C)	1.000 - 1.040

10 . STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use. Keep away from oxidizing agents and strongly acid or alkaline materials.

Chemical stability

Stable under recommended storage conditions. Hazardous polymerisation does not occur.

Possible hazardous reactions

None under normal processing.

Conditions to avoid

Avoid heat, sparks, and direct sunlight.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects**Acute toxicity**

LD50 oral: 2,615.00 mg/kg

LD50 dermal: 1,385.00 mg/kg

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Aspiration hazard

No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

Does not bioaccumulate.

Mobility in soil

No data available.

Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Product**

Dispose of product in accordance with local regulations.

Contaminated packaging

Do not reuse container.

14. TRANSPORT INFORMATION**US DOT (Land)**

Not regulated.

IMDG/IMO (Sea)

Not regulated.

IATA/ICAO (Air)

Not regulated.

15. REGULATORY INFORMATION**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

California Proposition 65

This product does not contain any Proposition 65 chemicals

16. OTHER INFORMATION

Creation date: 7/13/2017

Revision date: 8/21/2017

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