

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Cinnamon Bark Oil, Ceylon

Version: 2

1. IDENTIFICATION

Product Identifier

Product identifier: Cinnamon Bark Oil, Ceylon; CAS: 8015-91-6

Other identifiers: Cinnamon Bark Oil, Ceylon CinZeB2 Cinnamomum zeylanicum

Recommended use of the chemical and restrictions on use

Product uses: Essential Oil

Supplier Details

Company name: Artisan Aromatics

Company address: 1708 Lena Street, #103
Santa Fe, NM 87505

Contact: Stephanie Ariel

E-Mail address: hello@artisanaromatics.com

Company phone: 505231-9439

Emergency telephone number

Emergency phone: ChemTel: 1-800-255-3924 (Domestic)

2. HAZARD IDENTIFICATION

Classification

This product is classified under 29CFR 1910.1200(d) as follows:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Class and category of danger: Acute Toxicity - Dermal Category 3
Acute Toxicity - Dermal Category 4
Skin Corrosion / Irritation Category 2
Eye Damage / Irritation Category 2A
Sensitization - Skin Category 1
Carcinogenicity Category 1B
Aspiration Hazard Category 1

Signal word: Danger

Hazard statements: May be fatal if swallowed and enters airways.
Toxic in contact with skin.
Harmful in contact with skin.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause cancer (exposure route).

M factor: None

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Pictograms:



Precautionary statements:

Do not handle until all safety precautions have been read and understood.
Avoid breathing vapour or dust.
Wash hands and other contacted skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/eye protection/face protection.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTRE or doctor/physician if you feel unwell.
Do not induce vomiting.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Remove/Take off immediately all contaminated clothing.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container to approved disposal site, in accordance with local regulations.

Hazards not otherwise classified (HNOC) None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Product identifier: Cinnamon Bark Oil, Ceylon; CAS: 8015-91-6

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Contains:

Name	CAS	%	GHS Classification
Cinnamaldehyde	104-55-2	50-100%	Acute Tox. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1A;H312-H315-H317-H319
Eugenol	97-53-0	1-<5%	Eye Irrit. 2A-Skin Sens. 1B;H317-H319
Linalool	78-70-6	1-<5%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B;H227-H315-H317-H319
alpha-Pinene	80-56-8	1-<5%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H302-H304-H315-H317
beta-Caryophyllene	87-44-5	1-<5%	Skin Sens. 1B-Asp. Tox 1;H304-H317
Eucalyptol	470-82-6	1-<5%	Flam. Liq. 3-Skin Sens. 1B;H226-H317
d-Limonene	5989-27-5	1-<5%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H304-H315-H317
p-Cymene	99-87-6	1-<5%	Flam. Liq. 3-Asp. Tox 1;H226-H304
beta-Pinene	127-91-3	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H304-H315-H317
Terpinolene	586-62-9	0.1-<1%	Flam. Liq. 4-Skin Sens. 1B-Asp. Tox 1;H227-H304-H317
delta-3-Carene	13466-78-9	<0.1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1-Asp. Tox 1;H226-H304-H315-H317

The exact percentage concentrations of components are being withheld as a trade secret.

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

Eye exposure: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin exposure: IF ON SKIN: Wash with plenty of soap and water.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.

Toxic in contact with skin.

Harmful in contact with skin.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause cancer (exposure route).

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically

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5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

Specific hazards arising from the chemical

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

Protective Equipment and Precautions for Firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Other exposure guidelines

No information available

Exposure controls

Engineering measures

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Showers, eyewash stations, ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face and Skin Protection

Wear protective gloves/eye protection/face protection, and suitable protective clothing

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. A NIOSH-approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Appearance:	Not determined
Odor:	Not determined
Odor threshold:	Not determined
pH:	Not determined
Melting point / freezing point:	Not determined
Initial boiling point / range:	Not determined
Flash point:	> 199 °F / > 93 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Product does not present an explosion hazard
Vapor pressure:	Not determined
Vapor density:	Not determined
Relative density:	Not determined
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
<u>Other information:</u>	None available

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10. STABILITY AND REACTIVITY

Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

Chemical stability:

Good stability under normal storage conditions.

Possibility of hazardous reactions:

Not expected under normal conditions of use.

Conditions to avoid:

Avoid extreme heat.

Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

Hazardous decomposition products:

Not expected.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity:	Acute Toxicity - Dermal Category 3 Acute Toxicity - Dermal Category 4
Acute Toxicity Oral	3800 mg/kg
Acute Toxicity Dermal	700 mg/kg
Acute Toxicity Inhalation	Not Available
Skin corrosion/irritation:	Skin Corrosion / Irritation Category 2
Serious eye damage/irritation:	Eye Damage / Irritation Category 2A
Respiratory or skin sensitisation:	Sensitization - Skin Category 1
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Carcinogenicity Category 1B
Reproductive toxicity:	Based on available data the classification criteria are not met.
STOT-single exposure:	Based on available data the classification criteria are not met.
STOT-repeated exposure:	Based on available data the classification criteria are not met.
Aspiration hazard:	
<u>Additional Information</u>	None available

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12. ECOLOGICAL INFORMATION

Ecotoxicity:

Toxic to aquatic life with long lasting effects.
Harmful to aquatic life with long lasting effects.

Persistence and degradability: Not available

Bioaccumulative potential: Not available

Mobility in soil: Not available

Other adverse effects: Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class(es):	Sub Risk:	14.4. Packing Group:
UN Model Regulations	UN2810	TOXIC LIQUID, ORGANIC, N.O.S. (Cinnamaldehyde, alpha-Pinene)	6.1	-	III
US DOT	UN2810	TOXIC LIQUID, ORGANIC, N.O.S. (Cinnamaldehyde, alpha-Pinene)	6.1	-	III
US DOT (Bulk)	UN2810	TOXIC LIQUID, ORGANIC, N.O.S. (Cinnamaldehyde, alpha-Pinene)	6.1	-	III
IMDG	UN2810	TOXIC LIQUID, ORGANIC, N.O.S. (Cinnamaldehyde, alpha-Pinene, d-Limonene) MARINE POLLUTANT	6.1	-	III
ADR,RID,ADN	UN2810	TOXIC LIQUID, ORGANIC, N.O.S. (Cinnamaldehyde, alpha-Pinene)	6.1	-	III
ICAO TI	UN2810	TOXIC LIQUID, ORGANIC, N.O.S. (Cinnamaldehyde, alpha-Pinene)	6.1	-	III

US DOT refers to domestic transport by road/rail within the 48 ground states

US DOT (Bulk) refers to domestic bulk transport by road/rail within the 48 ground states.

Environmental hazards: This is an environmentally hazardous substance.

Special precautions for user: None additional

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not applicable

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15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

RIFM ID Number: 328-C2.12

LM Unique Identifier: LM5202

Additional information

None additional

16. OTHER INFORMATION

Key to revisions:

3 Composition/information on ingredients

Product identifier

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.

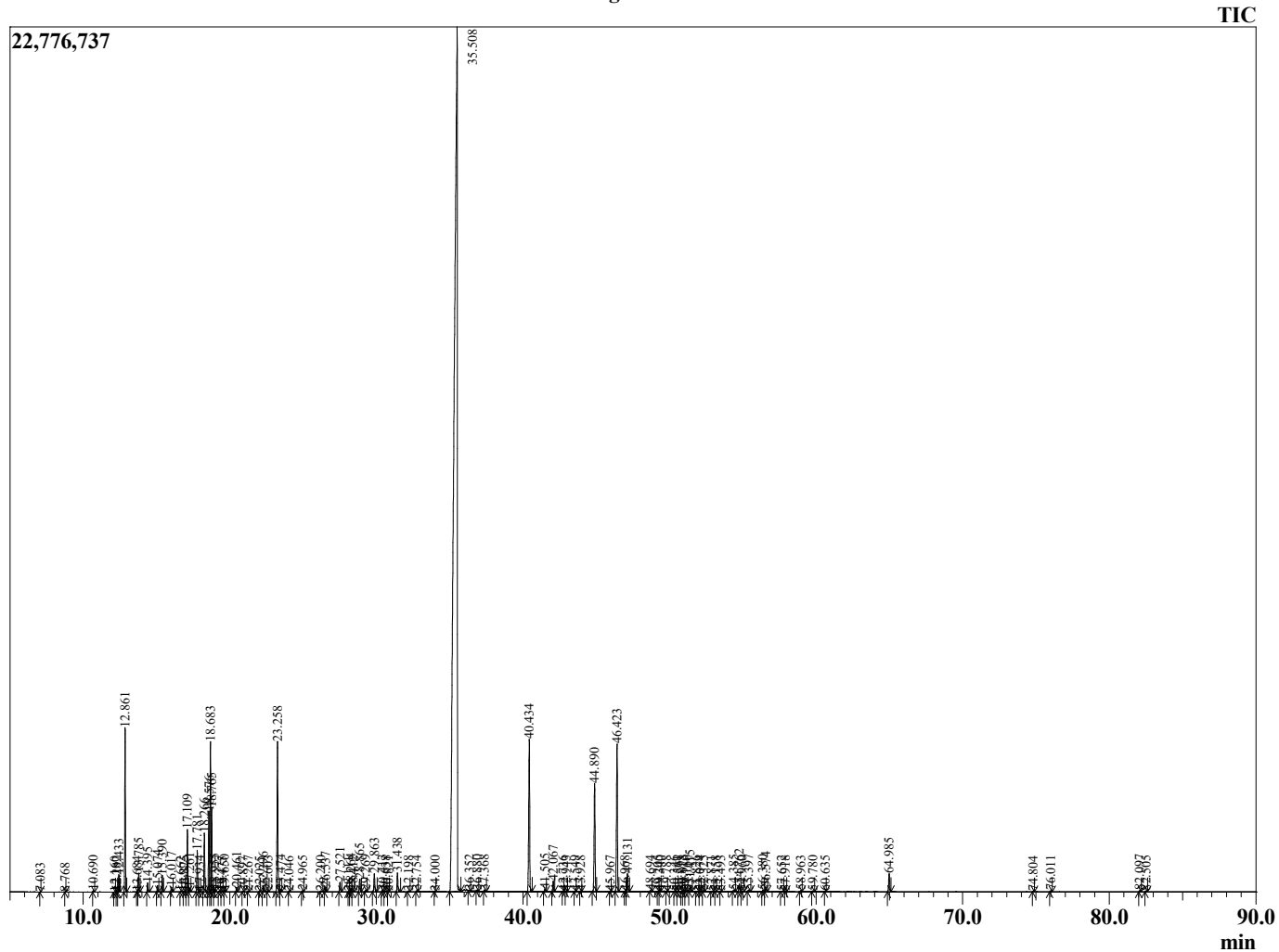
Sample Information

Analyzed by : A. Mattingly
 Analyzed : 11/19/2021 1:09:09 AM
 Sample Type : Essential Oil
 Sample Name : CinZeB2
 Injection Volume : 0.10 µL
 Lot Number : J0E1116G
 Instrument ID : GC-3

Peak Report TIC

R.Time	Name	Area%
7.083	Hexanal	0.00
8.768	Ethyl 2-methylbutyrate	0.00
10.690	Styrene	0.02
12.160	Hashishene	0.00
12.282	Tricyclene	0.01
12.433	alpha-Thujene	0.27
12.861	alpha-Pinene	2.69
13.684	alpha-Fenchene	0.01
13.785	Camphene	0.31
14.395	Benzaldehyde	0.15
15.074	Sabinene	0.11
15.390	beta-Pinene	0.29
16.017	Myrcene	0.09
16.662	Terpinolene	0.01
16.875	Octanal	0.01
17.109	alpha-Phellandrene	1.12
17.261	delta-3-Carene	0.07
17.781	alpha-Terpinene	0.76
17.934	meta-Cymene	0.02
18.266	para-Cymene	1.09
18.576	Limonene	1.61
18.683	beta-Phellandrene	2.87
18.765	1,8-Cineole	1.43
18.955	(Z)-beta-Ocimene	0.05
19.277	Butyl 2-methylbutyrate	0.01
19.475	Salicylaldehyde	0.00
19.650	(E)-beta-Ocimene	0.03
20.461	gamma-Terpinene	0.09
20.897	Acetophenone	0.01
21.267	cis-Linalool oxide (furanoid)	0.01
22.025	Isoterpinolene	0.01
22.296	Terpinolene + trans-Linalool oxide (furanoid)	0.11
22.603	para-Cymenene	0.03
23.258	Linalool	3.03
23.474	2-Methylbutyl-2-methylbutyrate	0.03
24.046	Phenethyl alcohol	0.01
24.965	cis-para-Menth-2-en-1-ol	0.02
26.200	trans-para-Menth-2-en-1-ol	0.02
26.537	Camphor	0.09
27.521	Hydrocinnamaldehyde	0.20
28.111	Unidentified	0.01
28.264	Borneol	0.06
28.412	2-Methylbenzofuran	0.02
28.865	Terpinen-4-ol	0.27
29.269	para-Cymen-8-ol	0.03
29.863	alpha-Terpineol	0.40
30.413	alpha-Phellandrene epoxide	0.04
30.638	Decanal	0.01
30.821	trans-Piperitol	0.01
31.438	(Z)-Cinnamaldehyde	0.42
32.198	Hydrocinnamic alcohol	0.02
32.754	Anisaldehyde isomer	0.02
34.000	Chavicol	0.01
35.508	(E)-Cinnamaldehyde	70.03
36.352	Safrole	0.03
36.880	Carvacrol	0.02
37.368	(E)-Cinnamyl alcohol	0.03
40.434	Eugenol	3.69
41.505	Hydrocinnamyl acetate	0.06
42.067	alpha-Copaene	0.24
42.736	Unidentified	0.01
42.943	beta-Elementene	0.01

Chromatogram CinZeB2



R.Time	Name	Area%
43.549	Methyleugenol	0.01
43.928	cis-beta-Caryophyllene	0.01
44.890	trans-beta-Caryophyllene	2.58
45.967	Isopentyl benzoate	0.01
46.423	(E)-Cinnamyl acetate	3.46
46.968	Unidentified	0.01
47.131	alpha-Humulene	0.43
48.694	Ar-Curcumene	0.02
49.205	beta-Selinene	0.00
49.340	Viridiflorene	0.01
49.788	alpha-Muurolene	0.01
50.346	beta-Bisabolene	0.01
50.561	Tridecanal	0.00
50.818	Unidentified	0.01
50.973	delta-Cadinene	0.04
51.166	trans-Calamenene	0.02
51.415	ortho-Methoxycinnamaldehyde	0.14
51.826	trans-Cadina-1,4-diene	0.01
52.074	Unidentified	0.01
52.325	alpha-Calacorene	0.03
52.871	Unidentified	0.01
53.158	Unidentified	0.01
53.493	(E)-Nerolidol	0.01
54.385	Caryophyllene alcohol	0.04
54.762	Caryophyllene oxide	0.19
54.960	Unidentified	0.01
55.397	Unidentified	0.05
56.380	Humulene epoxide II	0.03
56.574	Tetradecanal	0.10
57.652	Unidentified	0.01
57.918	Unidentified	0.01
58.963	Unidentified	0.02
59.780	Unidentified	0.03
60.635	alpha-Bisabolol	0.01
64.985	Benzyl benzoate	0.45
74.804	Phellandrene dimer	0.01
76.011	Unidentified	0.03
82.097	Unidentified	0.04
82.505	Unidentified	0.02
		100.00