



CERTIFICATE OF ANALYSIS

MATERIAL	CINNAMON BARK OIL
EINECS CAS NUMBER	84649-98-9
CAS NUMBER	8015-91-6
EC NUMBER	283-479-0
INCI NAME	Cinnamomum zeylanicum Essential Oil
BATCH	4401962
BEST BEFORE END	JULY 2023

Appearance	Yellow to brown yellow liquid
Odour	Characteristic
Optical Rotation @ 20°C	-0.28
Specific Gravity @ 20°C	1.047
Refractive Index @ 20°C	1.5647
Flashpoint	88°C
Solubility	Soluble in ethanol

Chromatographic Characteristics (GLC)

Cinnamaldehyde	34.26%
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After this delay, the quality might be degraded even before use and must be checked.

Storage

Original unopened container, at ambient temperature, under dry conditions and away from light. The shelf life is not valid out of the mentioned conditions.

Handling

According to IFRA Code of Practice.

Recommended Uses

Multiple uses.



ALLERGEN LISTING

MATERIAL NAME: CINNAMON BARK OIL SRI LANKA

INGREDIENT	CAS No.	% TOTAL
Alpha-Isomethylionone	127-51-5	A
Amyl Cinnamal	122-40-7	A
Amylcinnamyl Alcohol	101-85-9	A
Anise Alcohol	105-13-5	A
Benzyl Alcohol	100-51-6	A
Benzyl Benzoate	120-51-4	2.50
Benzyl Cinnamate	103-41-3	A
Benzyl Salicylate	118-58-1	A
Butylphenyl Methylpropional (Lilial)	80-54-6	A
Cinnamal	104-55-2	34.00
Cinnamyl Alcohol	104-54-1	A
Citral	106-26-3	A
	141-27-5	A
	5392-40-5	A
Citronellol	106-22-9	A
	1117-61-9	A
	141-25-3	A
	6812-78-8	A
	68916-43-8	A
	7540-51-4	A
Coumarin	91-64-5	A
Eugenol	97-53-0	45.00
Evernia Furfuraceae (Tree Moss) Extract	90028-67-4	A
Evernia Prunastri (Oak Moss) Extract	90028-68-5	A
Farnesol	4602-84-0	A
Geraniol	106-24-1	A
Hexyl Cinnamal	101-86-0	A
Hydroxycitronellal	107-75-5	A
Hydroxyisohexyl 3-Cyclohexene Carbocaldehyde (Lyral)	31906-04-4	A
Isoeugenol	97-54-1	A
Limonene	138-86-3	0.40
	5989-27-5	A
	5989-54-8	A
Linalool	126-90-9	2.50
	126-91-0	A
	78-70-6	A
Methyl 2-Octynoate	111-12-6	A

* A denotes absent

The information contained herein is true and accurate to the best of our knowledge.

We will not therefore accept liability for misuse of this data.

BiOrigins, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK

Tel: 01425 655555 Email: technical@madarcorporation.co.uk



MANUFACTURING PROCESS

MATERIAL	CINNAMON BARK OIL
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Steam distillation of the bark of Cinnamomum Zeylanicum



Filtering



Packaging



Delivery



GMO DECLARATION

MATERIAL	CINNAMON BARK OIL
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MADAR Corporation declare that this product:

- **Does not consist and does not contain Genetically Modified Organisms.**
- **Is not produced from and does not contain ingredients produced from Genetically Modified Organisms.**

We certify that the above compound is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA 48th Amendment), provided it is used in the following class(es) at a maximum concentration level of:

IFRA Class(es) (See Annex for Details)	Max Level of Use (%)
Class 1(*)	0.06(*)
Class 2	0.06
Class 3A	0.15
Class 3B	0.15
Class 3C	0.15
Class 3D	0.15
Class 4A	0.15
Class 4B	0.15
Class 4C	0.15
Class 4D	0.15
Class 5	0.15
Class 6(*)	1.18(*)
Class 7A	0.12
Class 7B	0.12
Class 8A	0.15
Class 8B	0.15
Class 9A	0.15
Class 9B	0.15
Class 9C	0.15
Class 10A	0.15
Class 10B	0.15
Class 11	1.47

(*) IFRA would recommend that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings.

For other kinds of application or use at higher concentration levels, a new safety evaluation may be needed; please contact MADAR Corporation Ltd.

The IFRA Standards regarding use restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

Evaluation of individual Fragrance ingredients is made according to the safety standards contained in the relevant section of the IFRA Code of Practice.

It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance) by further testing if need be.

ANNEX: Definition of IFRA Classes

FINISHED PRODUCT TYPES	IFRA CATEGORY
Lip Products of all types (solid and liquid lipsticks, balms, clear or coloured, etc.). Children's Toys.	Class 1
Deodorant and Antiperspirant Products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deo-cologne and body spray, etc.) Nose Pore Strips. Fragranced Bracelets.	Class 2
Hydroalcoholic Products Applied to Recently Shaved Skin (includes After Shave)	Class 3A
Hydroalcoholic Products Applied to Recently Shaved Skin (includes After Shave) Fine Fragrance.	Class 3B
Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc.) including eye care. Men's Facial Creams and Balms. Baby Creams, Lotions, Oils. Body Paint for Children.	Class 3C
Tampons.	Class 3D
Hydroalcoholic Products applied to unshaved skin (includes aqueous based, alcoholic based and hydroalcoholic) like Cologne, eau de cologne, Eau de Parfum or Parfum. Ingredients or Perfume Kits. Scent Pads, Foil Packs. Scent Strips for hydroalcoholic products.	Class 4A
Fine Fragrance – Hydroalcoholic Products applied to unshaved skin (includes aqueous based, alcoholic based and hydroalcoholic) like Cologne, eau de cologne, Eau de Parfum or Parfum.	Class 4B
Hair Styling Aids, Sprays of all types (pumps, aerosol sprays, etc.) Body Creams, Oils, Lotions of all types (except baby creams, lotions and oils). Body sprays (including Body Mist) with no intended or reasonably foreseeable use on the axillae. Fragrance Compounds for Cosmetic Kits. Foot Care Products. Hair Deodorant. Body Paint (except those for children). Fragrancing Cream, Solid Perfumes.	Class 4C
Facial Masks.	Class 4D
Women's Facial Creams/Facial Make-up, Hand Cream, Hand Sanitizers, Baby Powder and Talc, Hair Permanent and other hair chemical treatments (e.g. relaxers) but not hair dyes, Wipes or Refreshing Tissues for Face, Neck, Hands, Body, Dry Shampoo or Waterless Shampoo.	Class 5(*)
Mouthwash, including Breath Sprays, Toothpaste.	Class 6
Intimate Wipes, Baby Wipes.	Class 7A
Insect Repellent (intended to be applied to skin).	Class 7B
Make-up Removers of all types (not including face cleansers), Hair Styling Aids Non-Spray of all types (mousse, gels, leave-conditioners, etc.), Nail Care, Powders and talcs, all types (except baby powders and talcs).	Class 8A
Hair Dyes.	Class 8B
Conditioner (Rinse-Off), Liquid Soap, Shampoos of all types (including baby shampoos), Face Cleansers of all types (washes, gels, scrubs, etc.), Shaving Creams of all types (stick, gels, foams, etc.), All Depilatories (including waxes for mechanical hair removal), Body Washes of all types (including baby washes) and Shower Gels of all types, Bar Soap (Toilet Soap), Bath Gels, Foams, Mousses, Salts, Oils and Other Products added to bathwater.	Class 9A
Feminine hygiene – pads, liners, Toilet paper, Wheat bags.	Class 9B
Facial tissues, Napkins, Paper towels, Other Aerosols (including air freshener sprays and air freshener pump sprays, but not including deodorants/antiperspirants, hair styling aids/sprays).	Class 9C

Handwash Laundry Detergents of all types including concentrates, Fabric Softeners of all types including fabric softener sheets, household Cleaning Products, Other Types (fabric cleaners, soft surface cleaners, carpet cleaners, etc.) Machine Wash Laundry Detergents (liquids, powders, tablets, etc.) including laundry bleach and concentrates, Hand Dishwashing Detergent including concentrates, Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.), Shampoos for pets, Dry cleaning kits, Scented gloves, socks, tights with moisturisers.	Class 10A
Diapers, Toilet seat wipes.	Class 10B
All non-skin contact or incidental skin contact including: Candles, Air Fresheners and Fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5ml/spray), plug-ins, solid substrate, membrane delivery, electrical), Air Delivery Systems, Cell Phone Cases, Pot pourri, powders, fragrancing sachets, liquid refills for air fresheners (non-cartridge systems), Reed diffusers, Liquid refills for air fresheners (cartridge systems), Shoe Polishes, Deodorisers/Maskers not intended for skin contact (e.g. fabric drying machine deodorisers, carpet powders), Insecticides (mosquito coil, paper, electrical for clothing etc.) excluding aerosols, Scent delivery system using a dry air technology that releases a fragrance without sprays, aerosols or heated oils (technology of nebulisation), Air freshening crystals, Toilet Blocks, Joss Sticks or Incense Sticks, Machine Dishwash Detergent and Deodorisers, Machine-only Laundry Detergent (e.g. Liquitabs)**, Plastic articles (excluding toys), Fuels, Fragranced lamp ring, Scratch and Sniff (sampling technology), Paints, Cat Litter, Animal Sprays (all types), Treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorisers for textiles or fabrics), Floor Wax, Odoured Distilled Water (that can be added to steam irons).	Class 11

*Class 5, Facial Masks: There are several types of mask: peel off (similar to rinse-off, rinse-off and leave-on (you only remove the excess with facial tissue). To ease the split the most restrictive, i.e. leave-on is applied for all.

**Liquitabs corresponds to a dose of liquids wrapped in a film: no contact with hands is expected under normal conditions of use.

The table was prepared with the intention to cover the vast majority of the products; however, it may not cover some specific applications. In this case other classes may be attributed bases on a specific risk assessment.

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

1 Identification of the Substance/Mixture and of the Company/Undertaking

1.1	Trade Name	CINNAMON BARK OIL SRI LANKA
1.2	Relevant Identified Uses of the Substance or Mixture and Uses Advised Against	NOT FOR USE IN E-CIGARETTES OF SIMILAR DEVICES. Please read Section 16 Warning/Disclaimer notice.
1.3	Details of the Supplier of the Safety Data Sheet	MADAR Corporation Limited 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA TEL: 01425 655555 EMAIL: sales@madarcorporation.co.uk
1.4	Further Information Obtainable from	MADAR Corporation Limited
1.5	Emergency Telephone Number	01425 655555

2 Hazards Identification

2.1 Classification of the Substance or Mixture:

Classification According to Regulation (EC) No. 1272/2008	SCI 2	Skin corrosion/irritation, category 2
	SS 1A	Skin sensitisation, category 1A
	EDI 2A	Eye damage/irritation, category 2A
	CAR 1B	Carcinogenicity, category 1B
	EH C3	Aquatic hazard, long term, category 3

2.2 Label Elements:

Labelling according to Regulation (EC) No. 1272/2008:

Hazard Pictograms:



Signal Word	DANGER
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Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H350	May cause cancer.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements:

P273	Avoid release to the environment.
P280	Wear protective gloves and eye protection.
P308+P313	If exposed or concerned: Get medical advice.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P337+P313	If eye irritation persists: Get medical attention.
P501	Dispose of contents and container in accordance with local regulation.

2.3	Other Hazards	Contains nothing known from the allergens list which may produce an allergic reaction. No further information available at this time.
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3 Composition/Information on Ingredients

3.1	Mixtures	Complex mixture of ingredients.
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4 First Aid Measures

4.1	Description of First Aid Measures	Take phrases in Section 2 into account.
	Inhalation	Remove from the exposure area to fresh air. Contact a doctor if necessary.
	Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
	Eye Contact	Flush with plenty of water and seek medical advice if necessary.
	Ingestion	Wash mouth with plenty of water and obtain medical advice immediately.
4.2	Most Important Symptoms and Effects, both Acute and Delayed	No further information available at this time.
4.3	Indication of Immediate Medical Attention and Special Treatment Needed	No further information available at this time.

5 Fire-fighting Measures

5.1	Extinguishing Media	Carbon dioxide, foam or dry powder. DO NOT USE A DIRECT WATER JET.
5.2	Special Hazards Arising from the Substance or Mixture	May produce Carbon dioxide and unidentified organic compounds.
5.3	Advice for Fire-fighters	Wear protective clothing and avoid inhalation of vapours.

6 Accidental Release Measures

6.1	Personal Precautions, Protective Equipment and Emergency Procedures	Remove all sources of ignition. Avoid inhalation, skin and eye contact. Ensure proper ventilation.
6.2	Environmental Precautions	Do not discharge directly into drains or the soil. Keep away from surface and ground water.
6.3	Methods and Material for Containment and Cleaning Up	Soak up spillage with sand or other inert absorbent material such as earth or vermiculite; transfer used material to a suitable waste container and dispose in accordance with regulations.
6.4	Reference to Other Sections	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and Storage

7.1	Precautions for Safe Handling	Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes.
7.2	Conditions for Safe Storage, Including any Incompatibilities	Store in tightly sealed original containers away from ignition sources and in a cool place.
7.3	Specific End Use(s)	No further information available.

8 Exposure Controls/Personal Protection

8.1	Control Parameters	No information available.
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8.2 Exposure Controls:

Engineering Controls	No information available.
Individual Protection Measures	Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period.
Eye/Face Protection	Wear safety goggles.
Hand Protection	Wear chemically resistant disposable gloves.
Other Skin Protection	Wear overalls. Always wash routinely before breaks, meals and at end of the work period.
Respiratory Protection	Not generally required. Use inhalation protection in poorly ventilated areas.
Thermal Hazards	No information available.
Environmental Exposure Controls	No information available.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties:

Flash Point	88°C	
Appearance	Yellow to brown yellow liquid.	
Odour	Spicy odour reminiscent of cinnamon.	
Relative Density @20C	1.020 to 1.060	
Vapour Pressure	No data available.	
Auto-ignition Temperature	No data available.	
Odour Threshold	No data available.	
pH	Not applicable for this product.	
Evaporation Rate	No data available.	
Vapour Density	No data available.	
Partition Coefficient	No data available.	
Decomposition Temperature	No data available.	
Viscosity	No data available.	
Explosive Properties	Not determined (material not explosive).	
Oxidising Properties	Not determined (not an oxidising agent).	
9.2	Other Information	No further information available.

10 Stability and Reactivity

10.1	Reactivity	Not determined.
10.2	Chemical Stability	Not determined.
10.3	Possibility of Hazardous Reactions	Not determined.
10.4	Conditions to Avoid	Extreme temperatures.
10.5	Incompatible Materials	Highly reactive chemicals which may produce unknown reaction products and so cause additional hazards.
10.6	Hazardous Decomposition Products	Not determined.

11 Toxicological Information**11.1 Information on Toxicological Effects:**

Acute Toxicity	No data available.
Skin Corrosion/Irritation	No data available.
Serious Eye Damage/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.
STO-single Exposure	No data available.
STO-repeated Exposure	No data available.
Aspiration Hazard	No data available.
Information on Likely Routes of Exposure	No data available.
Symptoms Related to the Physical, Chemical and Toxicological Characteristics	No data available.
Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure	No data available.
Interactive Effects	No data available.
Other Information	No data available.

12 Ecological Information

12.1	Toxicity	No data available; avoid soil, surface water and water-bearing stratum contamination.
12.2	Persistence and Degradability	No data available.
12.3	Bioaccumulative Potential	No data available.
12.4	Mobility in Soil	No data available.
12.5	Results of PBT and vPvB Assessment	No data available.
12.6	Other Adverse Effects	No data available.

13 Disposal Considerations

Please refer to the information in Section 8 (Exposure controls and personal protection).

13.1	Waste Treatment Methods	Dispose of in accordance with the law and local regulations. Treat as trade effluent.
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14 Transport information

14.1	UN Number	Not Regulated.
14.2	UN Proper Shipping Name	
14.3	Transport Hazard Class(es)	
14.4	Packing Group	
14.5	Tunnel Code	
14.6	Environmental Hazards	No relevant information available.
14.7	Special Precautions for User	No relevant information available.
14.8	Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

15 Regulatory Information

15.1	Safety, Health and Environmental Regulations/ Legislation Specific for the Substance or Mixture	No relevant information available at this time.
15.2	Chemical Safety Assessment	A chemical safety assessment has not been carried out.

16 Other Information

16.1 Full List of Precautionary Phrases:

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing fumes.
P264	Wash hands 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 and eye protection.
P281	Use personal protective equipment as required.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305	IF IN EYES:
P308+P313	If exposed or concerned: Get medical advice.
P321	Specific treatment (see % on this label).
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 attention.
P351	Rinse cautiously with water for several minutes.
P362	Take off contaminated clothing before reuse.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.

P501	Dispose of contents and container in accordance with local regulations.
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WARNING/DISCLAIMER:

This material has not been tested, nor deemed safe, for use in electronic cigarettes or similar devices ("E-Cigarettes"). In supplying this material H Reynaud & Fils (UK) Limited instructs, and similarly by receiving this material the recipient confirms, that it will not be used in connection with the manufacture and distribution of E-Cigarettes or any component thereof.



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: **Cinnamon Bark Essential Oil**

MADAR Corporation Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.