

## SAFETY DATA SHEET

EC Regulation No.1907/2006 (REACH) & 1272/2008 (CLP)

**THIS PRODUCT IS FOR EXTERNAL USE ONLY- DO NOT INGEST**

### 1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY

#### Product identifier

**Commercial Name:** CINNAMON LEAF OIL 100% PPAI ORGANIC  
**INCI Name:** CINNAMOMUM ZEYLANICUM LEAF OIL  
**CAS No:** 84649-98-9  
**EINECS No:** 283-479-0  
**TSCA CAS No:** 8015-91-6  
**FEMA:** 2292  
**Chemical Name:**  
**Botanical Name:** *Cinnamomum zeylanicum*  
**Origin:** Sri Lanka



#### Relevant identified uses of the substance or mixture and uses advised against

**Identified use (s):** Essential Oil. Perfume/fragrance material for manufacturing purposes only.

#### Details of the supplier of the safety data sheet

**Company Name:** BAY HOUSE INGREDIENTS  
**Contact:** JOHN BLACK  
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**Telephone :** ☎ + 44 (0) 1908 210270  
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**Emergency Tel. No.:** ☎ + 44 (0) 1908 210270

### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

According to the current IFRA/ IOFI 2019 Labelling Manual and Regulation (EC) No. 1272/2008 (CLP)

**Symbols:**

**Signal word:** DANGER



Hazard Class	Abbreviation	Hazard Category	Hazard Code	Hazard Statement
Acute Toxicity Oral	ATO	5	H303	Maybe harmful if swallowed
Skin Sensitisation	SS	1	H317	May cause an allergic skin reaction
Eye Damage/Irritation	EDI	2A	H319	Causes serious eye irritation
Carcinogenicity	CAR	1B	H350	May cause cancer
Mutagenicity	MUT	2	H341	Suspected of causing genetic defect
Environmental Acute	EHA	2	H401	Toxic to aquatic life
Environmental Chronic	EHC	2	H412	Toxic to aquatic life with long lasting effects

**UN Global Harmonised System Precautionary Statements (CLP)**

	<b>Prevention Statements</b>
P280	Wear protective gloves/clothing, eye/face protection
P264	Wash hands thoroughly after handling
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P281	Use personal protective equipment as required



	<b>Response Statements</b>
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P321/363	Protective clothing should be washed before reuse
P331	Do NOT induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse.
P353	Rinse skin with water/shower.
P305	IF IN EYES: Rinse cautiously with water for several minutes.
P351/338	Remove contact lenses if present and easy to do. Continue rinsing.
P337/313	If eye irritation persists: get medical advice/attention
P370/378	In case of fire: Use carbon dioxide, foam or dry powder for extinction.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P308/313	If exposed or concerned: get medical advise/attention
P391	Collect spillage

	<b>Storage and Disposal Statements</b>
P405	Store locked up.
P501	Dispose of contents and container in accordance with international regulation
P403	Store in a well ventilated place.
P235	Keep cool
P501	Dispose of contents and container in accordance with international regulation

### 3. COMPOSITION/INFORMATION ON CONSTITUENTS

**Nature Of Product:** CINNAMON LEAF OIL (100% Pure & Natural)

""Cinnamon Leaf Oil Ceylon". Cinnamomum Zeylanicum Leaf Oil is the volatile oil obtained from the leaves of the Ceylon Cinnamon, Cinnamomum zeylanicum, Lauraceae

**EINECS No:** 283-479-0  
**FEMA:** 2292

**CAS No:** 84649-98-9  
**FDA:** 182-20

**TSCA CAS No:** 8015-91-6  
**HC (%):** <10

**Constituents:**

These indicative levels should be taken into account when determining the compliance of the essential oil under its condition of use. (IFRA/IOFI Labelling Manual 2019 - Classified constituents  $\geq 0.1\%$ , no Aspiration hazard & Flammability)

CONSTITUENT	CAS NUMBER	<= %	RELEVANT GHS
3-Phenylpropyl acetate	122-72-5	1.0	Aquatic Acute 3;H402 Acute Tox. 5 (Oral);H303
alpha-Phellandrene	99-83-2	0.9	Skin Irrit. 3;H316
alpha-Pinene	80-56-8	1.0	Acute Tox. 4 (Oral);H302 Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
alpha-Terpineol	98-55-5	0.4	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Aquatic Acute 2;H401
Benzaldehyde	100-52-7	0.2	STOT SE 3;H335 Skin Irrit. 3;H316 Eye Irrit. 2A;H319 Aquatic Acute 2;H401 Acute Tox. 5 (Dermal);H313 Acute Tox. 4 (Oral);H302 Acute Tox. 4 (Inhalation:dust,mist);H332
Benzyl alcohol	100-51-6	0.1	Eye Irrit. 2A;H319 Acute Tox. 5 (Dermal);H313 Acute Tox. 4 (Oral);H302
Benzyl benzoate	120-51-4	7.0	Acute Tox. 4 (Oral);H302 Acute Tox. 5 (Dermal);H313 Aquatic Acute 1;H400 Aquatic Chronic 2;H411
beta-Caryophyllene	87-44-5	5.8	Skin Sens. 1B;H317 Aquatic Chronic 4;H413
beta-Pinene	127-91-3	0.3	Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
Camphene	79-92-5	0.3	Eye Irrit. 2B;H320 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
Caryophyllene oxide	1139-30-6	0.5	Skin Irrit. 3;H316 Aquatic Acute 2;H401 Aquatic Chronic 2;H411
Cinnamaldehyde	104-55-2	3.0	Acute Tox. 5 (Oral);H303 Acute Tox. 4 (Dermal);H312 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Skin Sens. 1A;H317 Aquatic Acute 2;H401
Cinnamyl acetate	103-54-8	1.7	Acute Tox. 5 (Oral);H303 Aquatic Acute 3;H402

**3. COMPOSITION/INFORMATION ON CONSTITUENTS**

CONSTITUENT	CAS NUMBER	<= %	RELEVANT GHS
delta-3-Carene	13466-78-9	0.2	Skin Sens. 1;H317 Skin Irrit. 2;H315 Aquatic Chronic 1;H410 Aquatic Acute 1;H400 Acute Tox. 5 (Oral);H303 Acute Tox. 4 (Inhalation:dust,mist);H332
Eucalyptol	470-82-6	0.5	Acute Tox. 5 (Oral);H303 Skin Irrit. 3;H316 Skin Sens. 1B;H317
Eugenol	97-53-0	85.0	Acute Tox. 5 (Oral);H303 Skin Irrit. 3;H316 Eye Irrit. 2A;H319 Skin Sens. 1B;H317 Aquatic Acute 2;H401
Eugenyl acetate	93-28-7	2.5	Acute Tox. 4 (Oral);H302 Aquatic Acute 2;H401
Isoeugenol	97-54-1	0.2	Acute Tox. 4 (Oral);H302 Acute Tox. 4 (Dermal);H312 Acute Tox. 4 (Inhalation:dust,mist);H332 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Skin Sens. 1A;H317 STOT SE 3;H335 Aquatic Acute 2;H401
Linalool	78-70-6	3.5	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Skin Sens. 1B;H317 Aquatic Acute 3;H402
l-Limonene	5989-54-8	0.5	Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
p-Cymene	99-87-6	0.5	Skin Irrit. 3;H316 Repr. 2;H361 Aquatic Chronic 2;H411 Aquatic Acute 2;H401 Acute Tox. 5 (Oral);H303
p-Mentha-1,3-diene	99-86-5	0.1	Acute Tox. 4 (Oral);H302 Skin Irrit. 3;H316 Aquatic Acute 2;H401 Aquatic Chronic 2;H411
Safrole	94-59-7	2.0	Acute Tox. 4 (Oral);H302 Muta. 2;H341 Carc. 1B;H350
Terpinolene	586-62-9	0.1	Skin Sens. 1B;H317 Skin Irrit. 3;H316 Aquatic Chronic 1;H410 Aquatic Acute 1;H400 Acute Tox. 5 (Oral);H303

**Allergen Constituents Information (7th Amendment Cosmetic Directive 76/768/EEC):** see **Fragrance Allergen Certificate**.

Batch analysis may show levels different to those indicated above, where this is available, batch specific analyzed levels can then be used instead of the indicative levels.

#### 4. FIRST AID MEASURES

- Ingestion:** Do not induce vomiting, give a glass of water. Seek urgent medical attention and show this information.
- Inhalation:** Remove casualty to fresh air, keep respiratory passages clear and seek urgent medical attention.
- Eye contact:** Irrigate with sterile water or saline for at least 15 minutes. Seek urgent medical attention if irritation persists or tissue damage is apparent.
- Skin contact:** Remove contaminated clothing wash thoroughly with soap and water and rinse. If causes irritation after prolonged contact, if so seek medical advice.

#### 5. FIRE-FIGHTING MEASURES

- Extinguisher:** Use CO<sub>2</sub>, Foam or Powder extinguishers only.  
DO NOT USE WATER JETS.
- Smoke/Fumes:** Avoid inhalation of smoke or fumes, may produce CO (carbon monoxide) and CO<sub>2</sub> (carbon dioxide).

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal Safety Precautions:** Avoid contact with skin and eyes. Wear safety gloves, clothing and glasses.  
(Consult sections 7 & 8 for additional information)
- Environmental Safety Precautions:** Eliminate all sources of ignition.  
Prevent any material entering drains or waterways  
Absorb spills into an inert absorbent material  
(e.g. proprietary oil drying granules or sand NOT sawdust or other flammable materials.)  
Wash area clean with water and detergent.  
Transfer all waste to an approved waste disposal container, observing national legislation.

#### 7. HANDLING AND STORAGE

- Handling Precautions:** Only use in a well ventilated area. Observe good housekeeping procedures when handling the product. Do not eat, drink or smoke.
- Storage Precautions:** Product is stable at room temperature.  
Keep away from sources of ignition.  
Store in tightly sealed containers, in a cool dry place away from direct sunlight.  
Prevent access by unauthorised personnel.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Respiratory Protection:** Ensure adequate ventilation.  
If ventilation is insufficient use approved respirators.
- Skin/Hand Protection:** Wear personal protective equipment. Use chemical resistant safety gloves.  
Polyvinyl alcohol or nitrile rubber gloves are recommended.
- Eye/Face Protection:** Wear safety glasses/visors. Ensure eye washes are available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Yellow to brown liquid
<b>Odour:</b>	Characteristic odour
<b>Flash Point:</b>	88°C
<b>Refractive Index @ 20°C:</b>	1.529-1.540
<b>Relative Density @ 20°C:</b>	1.037-1.047
<b>Solubility in water:</b>	Insoluble

## 10. STABILITY AND REACTIVITY

**Thermal stability:** Product is stable at room temperature.  
Keep away from any source of ignition.  
Decomposition may release carbon dioxide, carbon monoxide and other organic compound fumes.

**Hazardous reactions:** Avoid strong oxidisers, acids and alkalis.

## 11. TOXICOLOGICAL INFORMATION

**Oral LD50:** 2.65g/Kg **This product is NOT intended for oral use.**

**Dermal LD50:** 5.0g/Kg

LD50 dosage levels are only a guideline obtained from historical data, Bay House Ingredients does not test its products on animals.

## 12. ECOLOGICAL INFORMATION

**Ecological effects:** No data available  
Care must be used to prevent the product contaminating rivers, waterways or drains. Should this happen alert the relevant authorities in accordance with statutory procedures

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Do not pour into drains or waterways.  
Comply with local and national regulations for waste disposal.  
Empty containers should be washed thoroughly with detergent before being sent for disposal. Washings should be disposed of as waste.

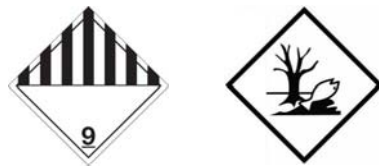
#### 14. TRANSPORT INFORMATION

Transport this product in compliance with and provision of, the ADR/RID for Road and Rail, IMDG for Sea and ICAO/IATA for Air transportation.

**UN Shipping Name (N.O.S.):** UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S  
**ADR/RID (Road/Rail):** Class 9  
**IMDG/IMO (Sea):** Class 9  
**ICAO/IATA (Air):** Class 9  
**UN Number:** 3082  
**Packing Group:** III  
**Subsidiary Risk:**  
**Packing Instructions:** Miscellaneous dangerous substances and articles, transport in suitable container.

#### Labelling according to ADR/RID, IMDG/IMO and ICAO/IATA:

**UN Shipping Name:** UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID



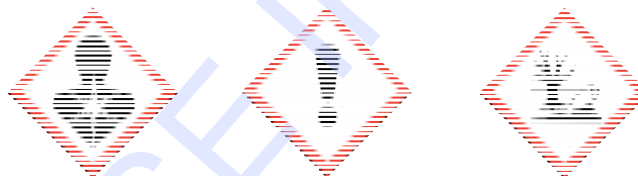
#### 15. REGULATORY INFORMATION

**Product Classification:** CINNAMON LEAF OIL ORGANIC



This product is labelled according to the criteria of Directive CLP 1272/2008/EC.

**Classification:**



**DANGER**

**Hazard Categories:**

<b>ATO 5</b>	Maybe harmful if swallowed
<b>SS 1</b>	May cause an allergic skin reaction
<b>EDI 2A</b>	Causes serious eye irritation
<b>CAR 1B</b>	May cause cancer
<b>MUT 2</b>	Suspected of causing genetic defect
<b>EH A2, C2</b>	Toxic to aquatic life Toxic to aquatic life with long lasting effects.

#### 16. ADDITIONAL INFORMATION

#### Legal disclaimer:

The information given on this material health and safety sheet is not a warranty as to the performance or suitability of the product. The information must be regarded only as a description of the health, safety and environmental requirements for that product. The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive. Bay House Ingredients is a Division of Aroma Trading Ltd, Registered No. 2698381, V.A.T. Registration No. 600 516 981 and as such, shall not be held liable for any damage resulting from handling or from contact with the product, since the conditions of use are out of our control. It is the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.