01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Cinnamon Leaf Oil.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Definition</td>
<td>&quot;Cinnamon Leaf Oil Ceylon&quot;. Cinnamomum Zeylanicum Leaf Oil is the volatile oil obtained from the leaves of the Ceylon Cinnamon, <em>Cinnamomum zeylanicum</em>, Lauraceae.</td>
</tr>
<tr>
<td>INCI Name</td>
<td>Cinnamomum Zeylanicum Leaf Oil.</td>
</tr>
<tr>
<td>Synonyms &amp; Trade Names</td>
<td>-</td>
</tr>
</tbody>
</table>

| CAS-No          | 84649-98-9 | EC No. | 283-479-0 | EINECS No. | 283-479-0 |

1.2 Relative identified uses of the substance or mixture and uses advised against

No additional data available.

1.3 Details of the supplier of the safety data sheet

Essential Oils Direct Ltd 13 Parkside Industrial Estate, Royton, Oldham OL2 6DS - Reg No 04199912

1.4 Emergency Tel. No. + 44 (0) 161 633 3952

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

No additional data available.

Classification (EC 1272/2008)

- Eye irritation, Category 2 (Eye Irrit. 2, H319).
- Skin sensitisation, Category 1 (Skin Sens. 1, H317).
- Germ cell mutagenicity, Category 2 (Muta. 2, H341).
- Carcinogenicity, Category 1B (Carc. 1B, H350).

This substance does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

- GHS07
- GHS08

Signal Word | Danger
Contains | EC 283-479-0 CINNAMON LEAF OIL

Hazard Statements

- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H341 Suspected of causing genetic defects.
- H350 May cause cancer.
**Precautionary Statements**

- 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.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.

**Supplementary Precautionary Statements**

None.

### 2.3 Other Hazards

- PBT or vPvB according to Annex XIII: No additional data available.
- Adverse physio-chemical properties: No additional data available.
- Adverse effects on human health: No additional data available.

## 03. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

<table>
<thead>
<tr>
<th>Substance</th>
<th>Cas. No:</th>
<th>EC No:</th>
</tr>
</thead>
<tbody>
<tr>
<td>100.0% Cinnamomum Zeylanicum Leaf Oil</td>
<td>84649-98-9</td>
<td>283-479-0</td>
</tr>
</tbody>
</table>

Classification (1272/2008): GHS07, GHS08, Dgr
Skin Sens. 1, H317, Eye Irrit. 2, H319, Muta. 2, H341
Carc. 1A, H350, Aquatic Chronic 3, H412

## 04. FIRST AID MEASURES

### 4.1 Description of first aid measures

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>Move the exposed person to fresh air at once. Seek medical attention if discomfort continues.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion</td>
<td>Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.</td>
</tr>
</tbody>
</table>

### 4.2 Most important symptoms and effects, both acute and delayed

No additional data available.

### 4.3 Indication of any immediate medical attention and special treatment needed

No additional data available.

## 05. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing Media

Non Flammable.

### 5.2 Special hazards arising from the product

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to
5.3 Advice for firefighters

Follow standard fire fighting procedures. Wear self contained breathing apparatus in confined spaces.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid any contact with skin and eyes. Wear protective equipment such as safety glasses and gloves. Consult the safety measures listed in sections 7 and 8. Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority guidelines. Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums.

6.3 Methods and material for containment and cleaning up.

Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to local authority regulations. Clean preferably with a detergent, do not use solvents.

6.4 Reference to other sections

Section 8 - Exposure controls/personal protection for further information on personal precautions
Section 13 - Disposal Considerations for further information on waste treatment.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Use in a well ventilated area away from sources of ignition in accordance with good occupational hygiene and safety practices. NO SMOKING.

7.2 Conditions for safe storage, including any incompatibilities

Well filled tightly stoppered containers away from heat, light and ignition. Recommended storage at ambient temperature.

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No additional data available.

8.2 Exposure controls

Protective Equipment

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using.

Process Conditions

Engineering Measures

Ensure that there is adequate ventilation, especially in confined areas.

Respiratory Equipment

Ensure area is well ventilated. Avoid vapour inhalation.

Hand Protection

Use suitable protective gloves that are resistant to chemical agents in accordance with
standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Recommended properties: - Impervious gloves in accordance with standard EN374

**Eye Protection**

Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles with protective sides in accordance with standard EN166. In the event of high danger, protect the face with a face shield. Prescription glasses are not considered as protection. Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours. Provide eyewash stations in facilities where the product is handled constantly.

**Other Protection**

Avoid contact with skin and eyes.

**Hygiene Measures**

Good personal hygiene practices are always advisable, especially when working with chemicals / oils.

**Personal Protection**

Avoid contact with skin and eyes.

**Skin Protection**

Avoid skin contact. Wear suitable protective clothing. Suitable type of protective clothing: In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

**Environmental Exposure Controls**

Avoid discharging into drainage water.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Limpid liquid, yellow brown to dark brown.</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>Yellow brown to dark brown.</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>Characteristic – spicy, sweet.</td>
</tr>
<tr>
<td><strong>Relative Density</strong></td>
<td>1.030 - 1.050 @20°C</td>
</tr>
<tr>
<td><strong>Flash Point (°C)</strong></td>
<td>88.0</td>
</tr>
<tr>
<td><strong>Refractive Index</strong></td>
<td>1.529 - 1.537 @20°C</td>
</tr>
<tr>
<td><strong>Melting Point (°C)</strong></td>
<td>No additional data available.</td>
</tr>
<tr>
<td><strong>Boiling Point (°C)</strong></td>
<td>No additional data available.</td>
</tr>
<tr>
<td><strong>Vapour Pressure</strong></td>
<td>No additional data available.</td>
</tr>
<tr>
<td><strong>Solubility in Water @20°C</strong></td>
<td>Insoluble. (soluble in 2 volumes maximum of ethanol 70%).</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature (°C)</strong></td>
<td>380.0</td>
</tr>
</tbody>
</table>

### 9.2 Other information

No additional data available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No additional data available.

### 10.2 Chemical stability

Chemically stable under the recommended handling and storage conditions.

### 10.3 Possible hazardous reactions
10.4 Conditions to Avoid
No additional data available.

10.5 Incompatible materials
No additional data available.

10.6 Hazardous Decomposition Products
In the event of a fire, the following may be formed: carbon monoxide (CO), carbon dioxide (CO2).

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute Toxicity</th>
<th>CINNAMON LEAF OIL (CAS: 84649-98-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral route</td>
<td>DL50 = 2650 mg/kg</td>
</tr>
<tr>
<td>Species : Rat (recommended by the CLP)</td>
<td>DL50 &gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Dermal route</td>
<td>Species : Rabbit (recommended by the CLP)</td>
</tr>
</tbody>
</table>

Skin corrosion / irritation May cause an allergic reaction by skin contact.

Serious eye damage / irritation May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

Respiratory or skin sensitisation No additional data available.

Germ Cell Mutagenicity Cause for concern owing to the possibility that it may induce heritable mutations in the germ cells of humans.

Carcinogenicity Presumed human carcinogen.

Reproductive toxicity No additional data available.

STOT-single exposure No additional data available.

STOT-repeated exposure No additional data available.

Aspiration hazard No additional data available.

Photo-toxicity No additional data available.

Other Information No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Harmful to aquatic life with long lasting effects. The product must not be allowed to run into drains or waterways.

Substances classified as category 1 acute toxicity:
Crustacean toxicity: Duration of exposure: 48 h
CE50 = 1.61 mg/l
Species: Daphnia sp.
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
No additional data available.

12.6 Other adverse effects

Do not allow product to enter streams, sewers or other waterways.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

14. TRANSPORT INFORMATION

14.1 UN number

<table>
<thead>
<tr>
<th>UN No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Road</td>
<td>Not bound by transport regulations.</td>
</tr>
<tr>
<td>SEA</td>
<td>Not bound by transport regulations.</td>
</tr>
<tr>
<td>AIR</td>
<td>Not bound by transport regulations.</td>
</tr>
</tbody>
</table>

14.2 UN proper shipping name

Not bound by transport regulations.

14.3 Transport hazard class(es)

Not bound by transport regulations.

14.4 Packing group

Not bound by transport regulations.

14.5 Environmental hazards

No additional data available.

14.6 Special precautions for user

See sections 6 – 8.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

No additional data available.

15. REGULATORY INFORMATION

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

Statutory Instruments
Approved Code of Practise
Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.
Guidance Notes
CHIP for everyone HSG(108). Workplace Exposure Limits EH40
EU Legislation
### 15.2 Chemical safety assessment

No additional data available.

### 16. OTHER INFORMATION

| Hazard and/or Precautionary Statements in Full | H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H341 Suspected of causing genetic defects.  
H350 May cause cancer.  
H412 Harmful to aquatic life with long lasting effects. |
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Other Information</td>
</tr>
<tr>
<td>Revision Date</td>
</tr>
<tr>
<td>Reason for revision</td>
</tr>
<tr>
<td>Rev No/Repl, SDS Generated</td>
</tr>
</tbody>
</table>

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