

**MATERIAL SAFETY DATA SHEET**

Product: Cinnamon Leaf Essential Oil  
Version: 1

**Section 1: Identification of the substance/mixture and of the supplier**

**1.1 Product Identifier**

Product Name	Cinnamon Leaf Essential Oil				
Biological Definition	The volatile oil obtained by steam distillation of the leaves of the cinnamon tree <i>Cinnamomum zeylandicum</i> Nees. (syn. <i>C. verum</i> J.S. Presl).				
INCI Name	Cinnamomum zeylanicum leaf oil				
Synonyms & Trade Names	- - -				
FEMA No	2292	FDA No	§182.20	CoE No	133
CAS No	8015-91-6	EC No	283-479-0	Einecs No	283-479-0

**1.2 Details of the supplier of the safety data sheet**

**1.3 Emergency telephone number**

Company Identification	Fresholi Helen Williams 494 Groby Road Leicester LE3 9QD +44 (0) 116 299 6006 email: helen@fresholi.co.uk	Emergency Contact: Helen Williams Tel +44 (0) 116 299 6006
------------------------	---	---



**Section 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Classification (67/548/EEC)	T; R45-36-43-52/53-68, S24-26-37-53
Classification (EU 1272/2008)	UN-GHS: FL 4, ATO 5(2300), ATD 5(3350), SCI 3, SS 1, EDI 2A, CAR 1B, MUT 2, EH A2,C3 EU-CLP: SS 1, EDI 2, CAR 1B, MUT 2

**2.2 Label elements**

Label in accordance with Regulation (EC) No 1272/2008

GHS Label:	  <p>GHS07                      GHS08</p>
Signal word:	Danger
Contains	Eugenol, benzyl benzoate, linalool, cinnamaldehyde, safrole
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:	P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 Do NOT induce vomiting P262 Do not get in eyes, on skin or on clothing P280 Wear protective gloves/protective clothing/eye protection/face protection. P273 Avoid release to the environment P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplementary Precautionary Statements:	P391 Collect spillage

Risk phrases and Safety phrases in full refer to *Section 16 – Other Information*

**MATERIAL SAFETY DATA SHEET**

Product: Cinnamon Leaf Essential Oil  
Version: 1

**2.3 Other hazards**

Adverse physio-chemical properties	Combustible but will not self-ignite
Adverse effects on human health	See hazard statements above – may cause serious eye irritation/allergic skin reaction. May cause genetic defects. May cause cancer.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

70% Eugenol UN-GHS: ATO 5(2300); SCI 3; EDI 2A; SS 1; EH A2 4% Benzyl benzoate UN-GHS: ATO 4(1500), ATD 5(4000); EH A2,C2 3% Linalool UN-GHS: ATO 5(3000), EDI 2A, EH A3, SCI 2 2% Cinnamaldehyde UN-GHS: ATO 5(2500), ATD 4(1100), EDI 2A, EH A2, SCI 2, SS 1 2% Safrole UN-GHS: ATO 4(1950); CAR 1B, Mut 2
--

**3.2 Mixtures**

EU INCI	US INCI
N/A	N/A

**SECTION 4: First-aid measures**

**4.1 Description of first aid measures**

General Information	See categories below
Inhalation	Remove from exposure area to fresh air. Contact a doctor if necessary.
Ingestion	Wash mouth out with water and obtain medical advice immediately.
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.

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

N/A
-----

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

N/A
-----

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

Use CO2, Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
--

**5.2 Special hazards arising from the substance or mixture**

None
------

**5.3 Advice for fire fighters:**

Wear protective clothing. Avoid inhalation of vapours. Closed containers may build up pressure when exposed to heat and should be cooled with water spray.
--

**MATERIAL SAFETY DATA SHEET**

Product: Cinnamon Leaf Essential Oil  
Version: 1

**SECTION 6: Accidental release measures**

**6.1 Personal precautions:**

Maintain good occupational and personal hygiene. Avoid contact with skin and eyes.

**6.2 Environmental precautions:**

Do not discharge directly into drains or 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 material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

**6.4 Reference to other sections:**

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

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling:**

Apply good manufacturing practice and industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

**7.2 Conditions for safe storage, including any incompatibilities:**

Store in tightly closed original container, in a cool, dry and ventilated area away from heat sources and protected from light. Keep air contact to a minimum.

**7.3 Specific end use(s):**


N/A

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

None

**8.2 Exposure Controls**

Eye Protection		Use Safety Glasses.
Hand protection		Avoid all skin contact. Use chemically resistant gloves if required.
Respiratory Equipment	As required. Avoid breathing product vapour.	
Hygiene Measures		Wash hands with soap and water after handling
Engineering Measures	Ensure good ventilation of working area.	

**MATERIAL SAFETY DATA SHEET**

Product: Cinnamon Leaf Essential Oil  
Version: 1

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Appearance	Mobile Liquid
Colour	Yellow-brown to dark brown
Odour	Spicy cinnamon, clove-like
Relative Density	1.030 to 1.050 @ 20 C
Flash point:	93 C c/c
Refractive Index	1.529 to 1.537 @ 20 C

Melting Point	Not given
Boiling Point	Not given
Vapour Pressure	Not given
Solubility in water @ 20° C	Insoluble
Auto-ignition Temperature	Not determined

**9.2 Other information:**

N/A

**SECTION 10: Stability and reactivity**

**10.1 Reactivity:**

It presents no significant reactivity hazards, by itself or in contact with water.

**10.2 Chemical stability:**

Stable under normal temperature conditions.

**10.3 Possibility of hazardous reactions:**

None

**10.4 Conditions to avoid:**

Avoid storage temperatures above 25°C.

**10.5 Incompatible materials:**

Avoid contact with strong acids, alkalis and oxidising agents.

**10.6 Hazardous decomposition products:**

Liable to cause smoke and acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

<b>Acute toxicity:</b>	Acute oral LD50 (orl-rat) 2.65g/kg (Moreno 1973). Dermal LD50 (skn-rat) >5g/kg (Moreno 1973) – Hazard Category 4 according to EC 1272/2008
<b>Skin corrosion / irritation:</b>	Skin Corrosion/Irritation Hazard Category 2 according to EC 1272/2008
<b>Serious eye damage/irritation:</b>	Serious eye damage/irritation Hazard Category 2 according to EC 1272/2008
<b>Respiratory or skin sensitization:</b>	Skin sensitiser Hazard Category 1 according to EC 1272/2008 guidelines
<b>Germ cell mutagenicity:</b>	Mutagen Category 2 according to EC 1272/2008 guidelines
<b>Carcinogenicity:</b>	Carcinogen Category 1B according to EC 1272/2008 guidelines (H350: May cause cancer)
<b>Reproductive toxicity:</b>	May cause genetic defects (H341)
<b>STOT-single exposure:</b>	Data not found
<b>STOT-repeated exposure:</b>	Data not found
<b>Aspiration hazard:</b>	Not categorised under EC 1272/2008 guidelines
<b>Other information:</b>	Not photo-toxic

## MATERIAL SAFETY DATA SHEET

Product: Cinnamon Leaf Essential Oil  
Version: 1

### SECTION 12: Ecological information

<b>12.1 Toxicity:</b>	Hazard to the aquatic environment long-term Hazard Category 3.
<b>12.2 Persistence and degradability:</b>	Data not found
<b>12.3 Bio-accumulative potential:</b>	Data not found
<b>12.4 Mobility in soil:</b>	Data not found
<b>12.5 Results of PBT and vPvB assessment:</b>	N/A
<b>12.6 Other adverse effects:</b>	N/A

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods:

Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.

### SECTION 14: Transport information

<b>Warning Icon</b>	<b>Exempt from labelling.</b>
<b>Proper Shipping Name</b>	Not registered
<b>UN No. Road</b>	Not classified for transport.
<b>ADR Class</b>	Not applicable
<b>Hazard No (ADR):</b>	Not applicable
<b>Hazchem Code:</b>	Not applicable
<b>UN No. SEA</b>	Not classified for transport.
<b>IMDG Class</b>	Not applicable
<b>IMDG Pack Gr.</b>	Not applicable
<b>EMS</b>	Not applicable
<b>UN No. AIR</b>	Not classified for transport.
<b>Air Class</b>	Not applicable
<b>Air Pack Gr.</b>	Not applicable

### SECTION 15: Regulatory information

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

<b>EU Directives</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
<b>Statutory Instrument</b>	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
<b>Approved Code of Practice</b>	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
<b>Guidance Notes</b>	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

#### 15.2 Chemical Safety Assessment

An assessment has not been executed as this is not a hazardous material according to article 31 of REACH 1907/2006.

## MATERIAL SAFETY DATA SHEET

Product: Cinnamon Leaf Essential Oil  
Version: 1

### SECTION 16: Other information

**Training instructions: Refer to possible hazard before use of this product**

#### Abbreviations and acronyms:

Abbreviation	Meaning
ADN	International Carriage of Dangerous Goods by Inland Waterways
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstract Service
c/c	Closed Cup
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
ICAO	International Civil Aviation Organization
IMDR	International Maritime Code for Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
MSDS	Material Safety Data Sheet
N/A	Not Available
RID	International Carriage of Dangerous Goods by Rail
STOT	Specific Target Organ Toxicity
Trem Card	Transport Emergency Card

<b>Risk Phrases in Full:</b>	R45 May cause cancer R36 Irritating to eyes R43 May cause sensitisation by skin contact R52/53 Harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment R68 Possible risk of irreversible effects.
<b>Hazard Statements in Full:</b>	H317 May cause an allergic skin reaction H319 Causes serious eye irritation H341 Suspected of causing genetic defects H350 May cause cancer

Complies with REACH guidance for SDS as circulated by ECHA 2011.

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.