



**MATERIAL DATA SAFETY SHEET: Cinnamon Leaf Oil**  
**Version: 1.0 Issued: 27<sup>th</sup> March 2018**  
**earthYard Pty Ltd : ABN 66 603 706 832**

**SECTION 1 – MATERIAL & SUPPLY COMPANY IDENTIFICATION**

**1.1 Product Identifiers**

Product Name: CINNAMON LEAF OIL  
CAS No.: 8015-91-6  
EINECS: 283-479-0

**1.2 Relevant identified uses of the substance or mixture**

No further relevant information available Application of the substance / preparation: Perfumes & cosmetics

**1.3 Manufacturer / Supplier Details**

**Supplier:** EarthYard Pty Ltd  
**ABN:** 66 603 706 832  
**Address:** Unit 2, 1-3 Sommerville Circuit, Emu Plains, NSW Australia 2774  
**Telephone:** 02 4735 8594

**1.4 Information in case of emergency**

Emergency Telephone: 02 4735 5379 (Office Hours 9.00am - 5.00pm Mon-Fri)  
Email: enquiries@earthyard.com.au

**SECTION 2 - HAZARD IDENTIFICATION**

**2.1 Classification of the substance / preparation**

*Classification according to Regulation (EC) No. 1272/2008*  
Physical Hazard: NA  
Health Hazards: AT 1, SC/I 2, SS 1, ED/I 2  
Environmental Hazards: EH-C 1

**2.2 Label Elements**

Labeling according to Regulation (EC) No. 1272/2008

**GHS Signal Word**

**DANGER**



**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**

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 continue rinsing



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P308 + P313 If exposed or concerned, seek medical advice.  
P309 + P311 If exposed of you feel unwell, contact a POISON CENTRE or seek medical advice  
P501 Dispose of contents/the container in accordance with local government regulations

### 2.3 Other hazards

May cause skin irritation/allergy. Patch test recommended

#### Allergens in accordance with Directive No 2003/15/EC

Eugenol (<= 87%), Benzyl benzoate (<= 7%), Cinnamal (<= 3%), Linalool <= 2%)

Cinnamyl alcohol (<= 1%), d-limonene (<=1%)

## SECTION 3 - PRODUCT COMPOSITION

### 3.1 Chemical Identification

**Description:** *Cinnamomum zeylanicum*

**CAS No.:** 8015-91-6

**EINECS No.:** 283-479-0

### 3.2 Hazardous components

EU Allergen	CAS No.	EINECS	Regulation (EC) No 1272/2008	% by weight
Eugenol	97-53-0	202-589-1	EI 2, H319; SS 1, H317	<=87.0 %
Eugeyl acetate	93-28-7	202-235-6	AT 4, H302	<=7.0 %
Benzyl benzoate	120-51-4	204-402-9	AT 4, H302, EH-C2, H411	<= 5.0 %
β-Caryophyllene	87-44-5	201-746-1	AH 1, H304	<= 5.0 %
Safrole	94-59-7	202-345-0	AT 4, H332; Carc. 1B, H350 Muta. 2, H341	<= 4.0 %
α-Phellandrene	99-83-2	202-792-5	F 3, H226; AH 1, H304	<= 4.0 %
α-Pinene	80-56-8	201-291-9	F 3, H226; AH 1, H304 SS 1, H317; EH-A 1, EH-C 1, H410	<= 4.0 %
β-Phellandrene	555-10-2	209-081-9	F 3, H226; AH1, H304	<= 4.0 %
Para-Cymene	99-87-6	202-796-7	F 3, H226; AH 1, H304; EH-C 2, H411	<= 4.0 %
Cinnamal	104-55-2	203-213-9	AT 4, H312; SI 2, H315; EI 2, H319; SS 1, H317	<= 3.0 %
Linalool	78-70-6	201-134-4	SI 2, H315	<= 2.0 %

## SECTION 4 - FIRST AID

### 4.1 Description of first aid measures

**Eye Contact:** Check for and remove any contact lenses. Immediately wash thoroughly with soft, clean water for 15 minutes while holding the eyelids open. Cold water may be used. If symptoms persist, seek medical attention.

**Skin Contact:** Remove any contaminated clothing and footwear. Clean before re-use. Wash affected areas thoroughly with soap and water for at least 15 minutes. In the event of an allergic reaction, seek medical attention

**Inhalation:** Remove individual from the exposure to fresh air. Contact a physician as necessary.

**Ingestion:** Not an expected route of exposure. If swallowed, DO NOT induce vomiting. Wash out mouth with water. Contact a physician or local poison centre immediately.

**Contact Point:** Poisons Information Centre Sydney Telephone: 131126

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

**Eye contact:** May cause eye irritation and corneal damage if not immediately rinsed out.

**Skin Contact:** Repeated contact may cause allergic dermatitis



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Inhalation: Remove subject and place in a fresh air environment  
Ingestion: Not an expected route of exposure

**4.3 Indication of immediate medical attention and any special treatment required**  
No further relevant information available

**SECTION 5 - FIRE FIGHTING MEASURES**

**5.1 Extinguishing Media**  
**Suitable extinguishing agents:** Carbon Dioxide; Dry Chemical; Water spray; Alcohol-resistant foam.  
**Unsuitable Extinguishing Media:** Water jet (Use of a water jet may cause the fire to spread)

**5.2 Special hazards arising from the substance or mixture**  
None known

**5.3 Advice for firefighters**  
Use self-contained breathing apparatus and wear protective clothing

**Additional information**  
Collect contaminated firefighting water separately to prevent from entering waterways.  
Contact Point: Dial 000 Emergency in case of fire [In Australia]  
or Local Emergency Authority [Out of Australia].

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**  
Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Ventilate area. Do not smoke.

**6.2 Environmental precautions**  
Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**6.3 Methods and materials for containment and cleaning up**  
Wipe up small spills with absorbent material such as paper cloth. Cover larger spills with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges. Keep away from ignition sources, do not smoke and avoid flames. Dispose of contaminated material in accordance with local government 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

**SECTION 7 - HANDLING AND STORAGE**



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**7.1 Precautions for safe handling**

Avoid contact with skin, eyes and avoid inhalation. Use glasses and protective gloves. Ensure there is adequate ventilation. Do not smoke. Take necessary action to avoid static discharge (which might cause ignition of organic vapors).

**7.2 Conditions for storage**

Keep container tightly closed in a dry and well-ventilated place. Keep out of reach of children. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep away from heat.

**Incompatible products** None known based on information supplied.

**7.3** Specific end use No further information available

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**8.1 Control parameters**

No data available

**8.2 Exposure Controls**

**Respiratory Protection** Not generally required in well ventilated workplace

**Ventilation Protection** Ensure adequate ventilation to keep exposure levels to a minimum. General exhaust is recommended

**Eye Protection** Use of goggles is recommended

**Protective Gloves** Use of chemical resistant (nitrile) gloves is recommended

**Protective Clothing** Use of chemical resistant clothing is recommended

**Protective Equipment** An eyewash station should be made available

**8.3 Special Engineering Controls**

None established.

**8.4 Other Personal Protection**

Consult the following Australian Standards for general advice regarding safety clothing and equipment:

Respiratory Equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS 2919**, Industrial Eye Protection: **AS 1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS 2210**.

**Note**

These precautions are for room temperature handling. Use at elevated temperature applications may require additional precautions.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**TEST**

**Physical Appearance @ 20°C:**

**Odour:**

**Odour Threshold:**

**Specific Gravity:**

**Refractive Index:**

**Optical Rotation:**

**SPECIFICATION**

Light yellow to amber liquid

Characteristic, spicy

N/A

1.030 to 1.055 @ 20°C

1.530 to 1.540 @ 20°C

-3.0° to +3.0°



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pH:	N/A
Miscibility in Water:	Insoluble
Miscibility in Alcohol:	Soluble
Flash Point:	94°C (Closed cup)
Flammability Limits [as % v/v in Air]	
Lower Explosion Limit:	N/A
Upper Explosion Limit:	N/A
Autoignition Temperature:	Not specified
Melting Point:	Not specified
Boiling Point @ 760 mm Hg:	N/A
Vapour Pressure @ 760 mm Hg:	Not specified
Vapour Density (air = 1):	>1

#### SECTION 10 - STABILITY AND REACTIVITY

**10.1 Reactivity**

This material presents no significant reactivity hazard

**10.2 Stability**

Chemically stable material under the recommended storage and handling conditions in Section 7

**10.3 Possibility of hazardous reactions**

When exposed to high temperatures, the substance may release hazardous decomposition products such as carbon monoxide, carbon dioxide, fumes, and nitrogen oxide

**10.4 Conditions to avoid**

Do not heat above 94°C. Do not expose containers to the sun.

**10.5 Incompatible materials**

Strong oxidising agents

**10.6 Hazardous decomposition products**

No dangerous decomposition products expected by intended use

#### SECTION 11 - TOXICOLOGICAL INFORMATION

**11.1 Substance Acute toxicity**

No data available.

**Skin corrosion/irritation**

May cause an allergic skin reaction; namely inflammation of the skin or the formation of erythema or oedema following exposure up to four hours. May cause an allergic reaction by skin contact. See Section 3.

**Serious eye damage/irritation**

Causes serious eye irritation. Prompt rinsing and removal of the substance will avoid damage.

**Respiratory sensitisation**

Exposure to vapors from this solvent exceeding the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. See EU allergen list in Section 3.

**Germ cell mutagenicity**

Suspected of causing genetic defects

**Reproductive toxicity**

No significant or critical hazards

**STOT-single exposure**



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Not specified

**STOT-related exposure**

Not specified

**Aspiration hazard**

May be fatal if swallowed and enters airways. Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

**11.2 Information on the likely routes of exposure**

Skin/scalp contact.

**11.3 Symptoms related to the physical, chemical, and toxicological characteristics**

None known. Irritation of the eye if exposed.

**11.4 Delayed and immediate effects, and chronic effects from short-term and long-term exposure**

Exposure to vapors from this solvent exceeding stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver, and central nervous system. Repeated or prolonged contact with the substance may cause removal of natural oil from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible damage

**SECTION 12 - ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity**

Very toxic to aquatic life with longterm effects.

**12.2 Persistence and degradability**

Data not available

**12.3 Bio-accumulative potential**

Data not available

**12.4 Mobility in soil**

No data available

**12.5 Other adverse effects**

Avoid exposure to marine environments and waterways

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**13.1 Waste Material**

Do not pour into drains or waterways. Waste management to be carried out without risk to water, air, soil, plants or animals. Place waste material into sealed containers and dispose of in accordance with current applicable laws and regulations.

**13.2 Contaminated Packaging**

Recycle where possible and dispose of empty containers in accordance with current local government regulations.

**SECTION 14 - TRANSPORT INFORMATION**

**14.1 UN Number**

Not allocated



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**14.2 UN Proper shipping name**  
None

**14.3 Transportation hazard classes**

**Road and Rail Transport:**

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

**Marine Transport:**

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**Air Transport:**

Not classified by the criteria of the International Air Transport Association as (IATA) Dangerous Goods Regulations for transport by air.

**14.4 Packing group**  
None

**14.5 Environmental hazards**

**14.6 Poison Schedule**  
Schedule 5

**14.7 Hazchem Code**  
None

#### SECTION 15 - REGULATORY INFORMATION

**15.1 EU regulations**

This product has been classified and marked in accordance with the EU Directives/Ordinance on Hazardous Materials.

**15.2 Poisons Schedule (Aust):** Listed as a Poison by the SUSDP.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS). This material is neither hazardous nor dangerous.

#### SECTION 16 - OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Native Oils Australia provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product, but does not claim to be all inclusive. This document is thus, intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for the specific purpose. As the ordinary or otherwise use(s) of this product is outside the control of Native Oils Australia., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. Native Oils Australia expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, nothing contained herein should be considered as a recommendation by Native Oils Australia as to the fitness for any use. The liability of Native Oils Australia is limited to the value of the goods and does not include any consequential loss. Native Oils Australia shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Native Oils Australia shall not be responsible for any damages resulting from use of or



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reliance upon this information. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties.

**Manufacturers Statement:**

Essential oils are complex, naturally derived chemicals. Often the constituents of the EOs may individually have known risks and hazards, and in some cases the constituents have not been studied, often because there have been no complaints.

Used as directed and within the limits specified by the various agencies and associations that study these materials, essential oils are safe and useful ingredients in flavours, fragrances, cosmetics and therapeutic applications. Please refer to the guidelines of the industry in which the product will be offered to the public to abide by the safest known practices. Those organizations include: IFRA, IFEAT, AHPA, ISO Standards for Essential Oils, and publications by various government health organizations regarding the use of these materials.