



## NHR ORGANIC OILS

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### MATERIAL SAFETY DATA SHEET

## Organic Cajeput Essential Oil

**Certified Organic Version:**  
**03 Date Implemented: August 2011**

#### 1. COMPANY DETAILS

1.1 Company: **NHR ORGANIC OILS**

Address details above

#### 2. PRODUCT IDENTIFICATION AND COMPOSITION

2.1 Product Name: **Cajeput Essential Oil – Certified Organic**

2.2 Botanical Name: *Melaleuca cajuputi*

2.3 Product Code: OCCAJE

2.5 INCI Name: Melaleuca Leucadendron Cajaput Oil

2.7 EU [CosIng] Perfuming Name: Melaleuca Leucadendron Cajuputi Leaf Oil

#### 2.8 Ingredients:

**Component Entity CAS Number EINECS Number Proportions [%w/w]**

Certified Organic Cajeput

Essential Oil

8008-98-8 [AICS]

85480-37-1 [TSCA; EU] 287-316-4

100% pure

2.9 Uses: Fragrance Ingredient.

Shampoos [Non-colouring]; Skin care preparations, miscellaneous.

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#### 3. HAZARD IDENTIFICATION

##### 3.1 Physical - Chemical Hazards

**Explosion:** None identified.

**Flammable:** Flammable liquid, produces oxides of carbon when burning.

**Oxidizing:** Not applicable.

**Toxic:** None identified.

**Radioactive:** Not applicable.

**Corrosive:** None identified.

**Miscellaneous:** None identified.

3.2 Environmental Hazards: None identified.

##### 3.3 Health Hazards

**Acute Effects: Swallowed:** Harmful, May cause lung damage if swallowed.

**Eye:** May be irritating.

**Skin:** May be irritating.

**Inhalation:** May be harmful.

**Chronic Effects:** None identified.

**Mutagenic Effects:** None identified.  
**Reproductive Effects:** None identified.  
**Carcinogenic Effects:** None identified.  
**Sensitisation:** None identified.  
**Infectious:** Not applicable.

#### **4. FIRST AID**

**4.1 Eye Contact:** Flush immediately with clean water for at least 15 minutes. Ensure irrigation under eyelids. Do not try to remove contact lenses unless trained.

Contact a physician immediately.

**4.2 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.

Contact a physician as necessary.

**4.3 Inhalation:** Remove from the exposure to fresh air. If breathing has stopped, administer artificial respiration and oxygen if available.

Contact a physician as necessary.

**4.4 Ingestion:** Do Not induce vomiting.

Wash out mouth with water and give water slowly to dilute [as much as casualty can comfortably drink] provided person is conscious.

Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconsciousness.

Contact a physician or local poison control centre immediately.

If vomiting occurs, lean patient forward or place on left side [head-down position, if possible] to maintain open airway and prevent aspiration.

**4.5 Contact Point:** Poisons Information Centre Sydney [T] 131126

**4.6 Advice to Doctor:** Treat symptomatically. Note the nature of this product.

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### **5. FIRE FIGHTING MEASURES**

**5.1 Extinguishing Media:** Carbon Dioxide; Dry Chemical; Universal-Type Foam.

**5.2 Unsuitable Extinguishing Media:** Water Spray; Others not established.

**5.3 Unusual Firefighting Hazards:** None identified.

**5.4 Special Procedures:** Determine the need to evacuate or isolate the area according to your local emergency plan.

**5.5 Protective Equipment:** Self-contained breathing apparatus and protective clothing should be worn

when fighting fires involving essential oils or chemicals.

**5.6 Combustion Products:** Oxides of carbon.

**5.7 Contact Point:** Dial 000 Emergency in case of fire [In Australia] or Local Emergency Authority [Out of Australia].

### **6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal Precautions:** Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.

**6.2 Safety Precautions:** Eliminate ALL ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan;

**6.3 Environmental Precautions:** Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.

**6.4 Methods For Cleaning Up:** Contain spill and recover free product. Absorb remainder on vermiculite or

other suitable absorbent material. Wipe small spills with cloth. Clean with hot water and detergent. Refer also to Section 13. for disposal procedures.

### **7. SAFE HANDLING AND STORAGE INFORMATION**

**7.1 Handling:** Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use. No smoking.

**7.2 Storage:** Hazardous material. A Scheduled 6 Poison.  
Containers should be kept closed in order to minimise contamination.  
Store in a cool, dry, well ventilated place protected from light.  
Keep from extreme heat and away from ALL sources of ignition.  
Make sure the material does not come into contact with substances listed as:  
"Materials to Avoid", Refer to Section 10.

**7.3 Unsuitable Packaging Materials:** None established.

**7.4 Special Procedures:** Protect against electrostatic charges, Others not established.

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### **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**8.1 Respiratory Protection:** None generally required. Use NIOSH approved respirator in confined areas

or if ventilation is inadequate.

**8.2 Ventilation Protection:** Ensure adequate ventilation to keep exposure levels to a minimum.

Local exhaust meeting ACGIH criteria is required.

General exhaust is recommended.

**8.3 Eye Protection:** Using goggles or face shield is recommended.

**8.4 Protective Gloves:** Using chemical resistant gloves is recommended.

**8.5 Protective Clothing:** Using chemical resistant clothing is recommended.

**8.6 Protective Equipment:** An eyewash fountain and / or safety shower should be available in the work

area.

**8.7 Special Engineering Controls:** None established.

**8.8 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**.

**8.9 Note:** These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions.

### **TEST SPECIFICATION**

**9.1 Appearance:** Clear yellow liquid

**9.2 Odour:** Characteristic

**Odour Threshold:** Not available.

**9.3 Specific Gravity:** 0.868 to 0.930 @ 20°C

**9.4 Refractive Index:** 1.4640 to 1.4820 @ 20°C

**9.5 Optical Rotation:** Not available.

**9.6 pH:** Not available.

**9.7 Solubility:** Soluble in ethyl alcohol

**9.8 Solubility in Water:** Insoluble

**9.9 Flash Point:** 47.0°C [Closed Cup]

**9.10 Flammability Limits [as % v/v in Air]**

**Lower Explosion Limit:** Not available.

**Upper Explosion Limit:** Not available.

**9.11 Autoignition Temperature:** Not available.

**9.12 Melting Point:** Not available.

**9.13 Boiling Point:** Not available.

**9.14 Vapour Pressure:** Not available.

**9.15 Vapour Density:** Not available.

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Cajeput Essential Oil – Certified Organic Version:**

**9.16 SCCNFP Allergens Annex III – Cosmetic Directive 2003/15/EC [7<sup>th</sup> amendment].  
Detection Limit 0.001%.**

**CONSTITUENT IFRA EFFA CAS Number EINECS Number RANGE**

**Amyl Cinnamal:** YES NO 122-40-7 204-541-5 Not Detected  
**Amyl Cinnamyl Alcohol:** YES NO 101-85-9 202-982-8 Not Detected  
**Anisyl Alcohol:** NO YES 1331-81-3 215-561-9 Not Detected  
**Benzyl Alcohol:** NO YES 100-51-6 202-859-9 Not Detected  
**Benzyl Benzoate:** NO YES 120-51-4 204-402-9 Not Detected  
**Benzyl Cinnamate:** NO YES 103-41-3 203-109-3 Not Detected  
**Benzyl Salicylate:** NO YES 118-58-1 204-262-9 Not Detected  
**Cinnamal:** YES YES 104-55-2 203-213-9 Not Detected  
**Cinnamyl Alcohol:** YES YES 104-54-1 203-212-3 Not Detected  
**Citral:** YES YES 5392-40-5 226-394-6 Not Detected  
**Citronellol:** NO YES 106-22-9 203-375-0 Not Detected  
**Coumarin:** NO YES 91-64-5 Not allocated Not Detected  
**Eugenol:** YES YES 97-53-0 202-589-1 Not Detected  
**Farnesol:** YES YES 4602-84-0 225-004-1 Not Detected  
**Geraniol:** NO YES 106-24-1 203-377-1 Not Detected  
**Hexyl Cinnamal:** YES NO 101-86-0 202-983-3 Not Detected  
**Citronellal Hydrate:** YES NO 107-75-5 203-518-7 Not Detected  
**iso-Eugenol:** YES YES 97-54-1 202-590-7 Not Detected  
**Butyl Phenyl Methyl Propional:** YES NO 80-54-6 201-289-8 Not Detected  
**Limonene:** YES YES 5989-27-5 227-813-5 < 5%  
**Linalool:** YES YES 78-70-6 201-134-4 < 5%

**Hydroxyisohexyl-3-Cyclohexene**

**Carboxaldehyde**

NO NO 31906-04-4 250-863-4 Not Detected  
**Methyl Heptin Carbonate:** YES NO 111-12-6 203-836-6 Not Detected  
**Methyl Ionone:** YES NO 127-51-5 204-846-3 Not Detected  
**Evernia Prunastri Extract [Oakmoss]:** YES NO

90028-68-5

9000-50-4

68917-10-2

289-861-3

Not Detected

**Evernia Furfuracea Extract [Treemoss]:** YES NO

90028-67-4

68648-41-9

68917-40-8

289-860-8

Not Detected

**9.17 Additional EFFA Listed Sensitisers & IFRA Notifiable Substances. Detection Limit 0.001%.**

**CONSTITUENT IFRA EFFA CAS Number EINECS Number RANGE**

**No Additional Sensitisers** NO NO Not allocated Not allocated Not Detected

**No Additional Notifiable Substances** NO NO Not allocated Not allocated Not Detected

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### **10. STABILITY AND REACTIVITY**

**10.1 Stability:** Chemically stable, hazardous material.

This material presents no significant reactivity hazard.

**10.2 Conditions to Avoid:** None established.

**10.3 Materials to Avoid:** Strong acids, strong alkalis and oxidizing agents.

**10.4 Flammability:** Flammable liquid.

**10.5 Hazardous Polymerization:** Will not occur.

**10.6 Hazardous Combustion or**

**Decomposition Products:**

Carbon monoxide and unidentified organic compounds may be formed

during combustion.

## **11. TOXICOLOGICAL INFORMATION**

### **11.1 Acute Toxicity**

**LD50 [Oral]:** 3870 mg/Kg

**LD50 [Dermal]:** > 5000 mg/Kg

**LC50 [Inhalation]:** Not available.

**11.2 Exposure Limits** There is a blanket recommendation of 10 mg/m<sup>3</sup> for inspirable dusts or mists when limits have not otherwise been established.

**OSHA TWA:** None established.

**OSHA STEL:** None established.

**ACGIH TWA:** None established.

**ACGIH STEL:** None established.

**NOHSC TWA:** None established.

**NOHSC STEL:** None established.

**11.3 Short Term Toxicity:** Not available.

**11.4 Long Term Toxicity:** Not available.

**11.5 Human Exposure Tests:** Not available.

## **12. ECOLOGICAL INFORMATION**

**12.1 Eco-toxicity:** None established. Avoid pollution to soil, rivers and the ocean.

**12.2 Mobility:** Low mobility in the soil.

**12.3 Persistence & Degradability:** Low persistence level and readily biodegradable.

**12.4 Bio-accumulative Potential:** None established.

**12.5 Other Adverse Effects:** None established.

## **13. DISPOSAL CONSIDERATION**

**13.1 Waste Material:** Place material and / or absorbent into sealed containers and dispose of in

accordance with current applicable laws and regulations.

Refer to local Authority advice.

**13.2 Contaminated Packaging:** Dispose of in accordance with current applicable laws and regulations.

Refer to local Authority advice.

**13.3 Note:** Empty containers can have residues, gases and mists.

Use the proper Waste Disposal Methods & Procedures for Empties as well.

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**Cajeput Essential Oil – Certified Organic Version:**

**14.8 Maritime Transportation IMDG 14.9 Air Transportation ICAO-TI and IATA-DGR**

**IMDG Class:** Class 3 **ICAO / IATA Class:** Class 3

**Label:** Flammable **Label:** Flammable

**UN Number:** 1993 **UN Number:** 1993

**Packaging Group:** III **Packaging Group:** III

**EMS Number:** F-E, S-E

**Marine Pollutant:** YES

**Proper Shipping**

**Name:**

Flammable liquid, n.o.s. **Proper Shipping**

**Name:**

Flammable liquid, n.o.s.

## **14. TRANSPORT INFORMATION**

**14.1 Transportation:** Classified as Dangerous Goods by the criteria of the Australian Dangerous

Goods Code for Transport by Road and Rail. Transport as per the "Australian Dangerous Goods Code" for Class 3 [Flammable Liquids], Packaging Group III Substances.

Not to be transported with Classes 1 [Explosives], 2.1 [Flammable Gases] [nb this applies only when in bulk], 2.3 [Poisonous Gases], 4.2 [Spontaneously Combustible Substances], 5.1 [Oxidising Agents], 5.2 [Organic Peroxides], 7 [Radioactive Substances], and Foodstuffs or Foodstuff empties.

**14.2 Proper Shipping Name:** Flammable liquid, n.o.s.

**14.3 UN Number:** 1993

- 14.4 Packaging Group:** III  
**14.5 DG Class:** Class 3  
**14.6 Poison Schedule:** Schedule 6 POISON.  
**14.7 Hazchem Code:** 3[Y]

## **MATERIAL SAFETY DATA SHEET**

**Cajeput Essential Oil – Certified Organic Version:**

### **15. REGULATORY INFORMATION**

- 15.1 Risk Symbols:** Xn Harmful.  
F Flammable.
- 15.2 Risk Phrases:** R10 Flammable.  
R22 Harmful if swallowed.  
R44 Risk of explosion if heated under confinement.  
R65 Harmful: may cause lung damage if swallowed.
- 15.3 Safety Phrases:** [S2] [Keep out of the reach of children].  
S3 Keep in a cool place.  
S7 Keep container tightly closed.  
S15 Keep away from heat.  
S16 Keep away from sources of ignition – No smoking.  
S29 Do not empty into drains.  
S33 Take precautionary measures against static discharges.  
S41 In case of fire and / or explosion do not breathe fumes.  
S43 In case of fire use Carbon Dioxide; Dry Chemical; Universal-Type Foam.  
Never use water jets.  
S45 In case of accident or if you feel unwell, seek medical advice immediately [show the label where possible].  
S51 Use only in well-ventilated areas.  
S60 This material and its container must be disposed of as hazardous waste.  
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
- 15.4 Warning Statements:** Not allocated.
- 15.5 Safety Directions:** 1 Avoid contact with eyes.  
3 Wear eye protection when mixing or using.  
4 Avoid contact with skin.  
5 Wear protective gloves when mixing or using.  
6 Wash hands after use.  
11 No smoking.  
15 Store under cover in a dry, clean, cool, well ventilated place away from sunlight.  
23 Keep away from heat, sparks and naked flames.  
25 Avoid contact with food.
- 15.6 Standard Statements:** A For advice, contact a Poisons Information Centre [Phone eg Australia 131126; Zealand 0800 764 766] or a doctor at once.
- G3 If swallowed, do NOT induce vomiting.

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**Cajeput Essential Oil – Certified Organic Version:**

### **16. ADDITIONAL INFORMATION**

#### **16.1 GMO DECLARATION**

The Cajeput Essential Oil – Certified Organic is obtained from the leaves & twigs of the cajeput tree variety *Melaleuca*

*cajeputi*, by the process of steam distillation.

It is exclusively gained from non-GMO grown cajeput trees and is free of any GMO-Fragments.

It is grown, harvested and processed within the strict principles of creating animal free products.

It is grown, harvest and processed within the strict principles of creating organic materials. It conforms to the specifications of GMO Free, Certified Organic Cajeput Essential Oil.

It contains No Animal Products.

## **16.2 QUALITY DECLARATION**

At we firmly believe that Quality Control is of the utmost importance and it is imperative that the most

meticulous tests are carried out for every product in our range.

Uncompromising quality is a responsibility, which we take seriously.

' commitment to quality is coordinated by our in-house Qualified Aromatherapist, Chief Chemist and

Quality Control Chemist.

The most rigorous processes are implemented to determine the purity and potency of sourced oils & raw materials.

By maintaining this intense level of Quality Control and Developing Methods & Techniques, can

ensure Superior Quality Products.

This Cajeput Essential Oil – Certified Organic has been tested and it conforms to our High Standard Quality requirements.

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### **Cajeput Essential Oil – Certified Organic Version:**

#### **16.3 ANIMAL TESTING POLICY DECLARATION**

In the long ago past [before the concern over animal testing] some of the excipients and some of the actives have

been tested on animals. This is no longer conducted for these components.

Both the TGA and NICNAS [Australian regulatory agencies which control the use of ALL ingredients used in

therapeutics and cosmetics, respectively] require toxicity and safety testing on ALL raw materials before they will

allow their use in Australia.

While the industry is developing non-animal test methods this still does not completely eliminate the need for animal

testing. When available the industry uses these alternate tests in preference to animal testing.

Typically these initial tests on a substances will occur in the UK or USA in accordance with the regulatory

agencies there, 5 to 10 years before the material is used in Australia. Based on these initial results, substances

are usually approved by the Australian regulatory agencies for use without further animal testing being required.

does not test raw materials on animals, neither initially or as a routine test, [nor by outside sources our behalf].

The product Suppliers for do not test their products on animals, neither initially or as a routine test.

None of finished formulations are tested on animals, either initially or as a routine test, except, of course, humans in controlled efficacy tests and against bacteria in preservative efficacy testing.

's Animal Cruelty-Free Policy extends to using ingredients and raw materials from vegetable sources when ever possible.