

## SAFETY DATA SHEET

GHS: According to 2015/830/EU

*Code Number: EO100538*

*Version 2 Revised 27/08/2021*

### Section 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product Identifier

Product Name	CAJEPUT AMBON OIL
Code Number	EO100538 - EOCAJ
Alternative Name	INCI Name: Melaleuca Lecucadendron Cajputi Leaf Oil
REACH Reg No	Not registered

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

Aromatherapy, flavour and fragrance use.

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

Pure Ingredients Ltd  
626A Rosebank Road, Avondale  
Auckland 1026  
New Zealand

Telephone Number	+09 813 5619
Email Address	compliance@pureingredients.co.nz

**1.4 Emergency Tel No** 111 / NZ Poisons Centre **0800 POISON** (0800 764 766)  
Emergency Response: 0800 CHEMCALL / 0800 243 622 (24hr)

### Section 2. Hazard Identification

#### 2.1 Classification of the substance or mixture

FL 3 *(3.1C)	Flammable liquid, category 3
ATO 5 *(6.1E)	Acute toxicity, oral, category 5
AH 1 *(6.1E)	Aspiration hazard, category 1
SCI 2 *(6.3A)	Skin corrosion/irritation, category 2
SS 1 *(6.5B)	Skin sensitisation, category 1
EDI 2A *(6.4A)	Eye damage/irritation, category 2A
EH C2 *(9.1B)	Aquatic hazard, chronic, category 2

\*Correlation between GHS and New Zealand HSNO Classes and Categories

#### 2.2 Label elements

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GHS classification according to Regulation (EC) No 1272/2008

## Hazard Pictograms



**Signal Word** Danger

## Hazard Statements

H226	Flammable liquid and vapour
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects

## Precautionary Statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing fumes.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye protection
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P337+P313	If eye irritation persists: Get medical attention.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.

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P501 Dispose of contents and container to local.

## 2.3 Other Hazards

Contains Limonene and Linalool which may produce an allergic reaction

## Section 3. Composition / information on ingredients

Any percentage values listed here for hazardous components are for illustrative purposes only

### 3.1 Substances

Description	CAJEPUT AMBON OIL
EC/EINECS	287-316-4
CAS Number	85480-37-1
USCAS Number	8008-98-8

### Hazardous components

ID Numbers	Chemical Name, Classification and Hazards	Conc (%)
CAS 470-82-6 EINECS 207-431-5 REACH	Cineols (Eucalyptol) FL 3;ATO 5(2480);SS 1B H226,H303,H317	56.6200
CAS 98-55-5 EINECS 202-680-6 REACH	Terpineol (alpha-Terpineol) FL 4;ATO 5(4300);SCI 2;EDI 2A;EH A2 H227,H303,H315,H319,H401	7.7000
CAS 5989-27-5 EINECS 227-813-5 REACH	d-Limonene (p-Mentha-1,8-diene) FL 3;SCI 2;SS 1B;AH 1;EH A1,C1 H226,H304,H315,H317,H400,H410	6.3200
CAS 99-85-4 EINECS 202-794-6 REACH	gamma-Terpinene (p-Mentha-1,4-diene) FL 3;ATO 5(3850);SCI 3;AH 1 H226,H303,H304,H316	3.2600
CAS 87-44-5 EINECS 201-746-1 REACH	Caryophyllene AH 1;SS 1B H304,H317	3.2300
CAS 80-56-8 EINECS 201-291-9 REACH	Pinenes FL 3;ATO 4;AH 1;SCI 2;SS 1;EH A1,C1 H226,H302,H304,H315,H317,H400,H410	3.1000
CAS 127-91-3 EINECS 204-872-5 REACH	beta-Pinene FL 3;ATO 5(3700);AH 1;SCI 2;SS 1B;EH A1,C1 H226,H303,H304,H315,H317,H400,H410	1.7100
CAS 123-35-3 EINECS 204-622-5 REACH	beta-Myrcene FL 3;AH 1;SCI 2;EDI 2A H226,H304,H315,H319	1.6100

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CAS 99-87-6 EINECS 202-796-7 REACH	para-Cymene FL 3;ATO 5(4750);SCI 3;AH 1;EH A2,C2 H226,H303,H304,H316,H401,H411	1.4400
CAS 99-86-5 EINECS 202-795-1 REACH	Terpinenes (para-Mentha-1,4-diene) FL 3;ATO 4(1680);SCI 3;AH 1;EH A2,C2 H226,H302,H304,H316,H317,H400,H410	1.3500
CAS 586-62-9 EINECS 209-578-0 REACH	Terpinolene FL 4;ATO 5(3850);AH 1;SCI 3;SS 1B;EH A1,C1(M factor 1) H227,H303,H304,H316,H317,H400,H410	1.2600
CAS 562-74-3 EINECS 209-235-5 REACH	Terpinene-4-ol (4-Terpineol) (4-Carvomethenol) FL 4;ATD 5(2500);ATO 4(1300);SCI 2;EDI 2A;EH A3 H227,H302,H313,H315,H319,H402	1.1700
CAS 78-70-6 EINECS 201-134-4 REACH	Linalool FL 4;SS 1B H227,H317	0.8000
CAS 80-26-2 EINECS 201-265-7 REACH	alpha-Terpinyl acetate (p-menth-1-en-8-yl acetate) SCI 3;EH A2,C2 H316,H401,H411	0.7700
CAS 99-83-2 EINECS 202-792-5 REACH	alpha-Phellandrene FL 3;SCI 3;AH 1 H226,H304,H316	0.7700
CAS 2867-05-2 EINECS 220-686-7 REACH	alpha-thujene (5-isopropyl-2-methylbicyclo[3.1.0]hex-2-ene) FL 3;ATO 4;AH 1;SCI 2;SS 1;EH C2 H226,H302,H304,H315,H317,H411	0.3600
CAS 100-52-7 EINECS 202-860-4 REACH	Benzaldehyde FL 4;ATI 4(1.5);ATO 4(1300);EDI 2A;SCI 3;STO-SE 3(RI);EH A2 H227,H302,H316,H319,H332,H335,H401	0.1000
CAS 105-87-3 EINECS 203-341-5 REACH	Geranyl acetate SCI 2;SS 1;EH C3 H315,H317,H412	0.1000
CAS 79-92-5 EINECS 201-234-8 REACH	Camphene FS 2;SCI 3;EDI 2A;EH A1,C1 H228,H316,H319,H400,H410	0.1000

Refer to section 16 for the wording of listed classification and hazard statement codes

## Section 4. First Aid measures

Take phrases in section 2 into account

### 4.1 Description of first aid measures

#### After inhalation

No known adverse effects. If fumes or combustion products are inhaled, remove to fresh uncontaminated air, lay patient on back until breathing returns to normal.

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## After skin contact

Irritating, may cause an allergic reaction. Remove contaminated clothing and wash thoroughly with soap and water. Seek medical advice if irritation persists or there are any signs of tissue damage.

## After eye contact

Highly irritating. Flush eyes with plenty of water for 15 minutes including under eyelid. Seek medical advice if irritation persists. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

## After ingestion

May be harmful if swallowed and fatal if enters airways. Do NOT induce vomiting. Position to avoid aspiration should vomiting occur. Wash mouth with plenty of water and obtain medical advice immediately. Never give anything by the mouth to an unconscious patient.

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

Take phrases in sections 2 and 11 into account. No further information available at this time.

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

Treat symptomatically.

## Section 5. Fire-fighting measures

### 5.1 Extinguishing Media

Carbon dioxide, foam or dry powder.  
DO NOT USE A DIRECT WATER JET.

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

May produce Carbon dioxide and unidentified organic compounds.

### 5.3 Advice for fire-fighters

Wear Self-Contained Breathing Apparatus (S.C.B.A.) and full protective clothing to minimise skin exposure. Avoid inhalation of vapours. Keep containers cool with water spray. Do not use direct water jet on burning material. Do not allow spillage of fire to enter drains or watercourses.

**HazChem Code** 3Y

## Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Avoid inhalation, skin and eye contact. Ensure proper ventilation. Evacuate all unnecessary personnel. If possible contain the spill.

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## 6.2 Environmental precautions

Do not discharge directly into drains or the 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 absorbant material such as earth or vemiculite; transfer used material to a suitable waste container and dispose in accordance with regulations. If large quantities of this material enter the waterways, contact the EPA or your local Waste Management Group.

## 6.4 Reference to other sections

Refer to information in Sections 7, 8 and 13

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes. Wear protective clothing and use safety glasses. Keep in original container or an alternative made from a compatible material.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly sealed original containers away from ignition sources and in a cool place. Avoid contact with incompatible materials that support combustion, such as strong oxidising agents.

### 7.3 Specific end use(s)

No further information available

## Section 8. Exposure controls / personal protection

### 8.1 Control Parameters

No exposure standards have been established for this material by Work safe Australia. However as a matter of course avoid repeated or prolonged contact with the skin. Keep out of eyes. Do not ingest. Use with good ventilation, do not breathe vapour. Sensitive individuals may develop an allergic response.

### 8.2 Exposure controls

#### Engineering controls

Natural ventilation should be sufficient, however where vapours of mists are generated the use of a grounded mechanical exhaust ventilation system is recommended.

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## Individual protection measures

Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period.

## Eye/face protection

Use splash-proof safety glasses and face shield where splashing is possible.

## Hand protection

Wear chemically resistant disposable gloves.

## Other skin protection

Wear overalls. Depending on conditions in the workplace, additional body protection should be considered. Always wash routinely before breaks, meals and at the end of the work period.

## Respiratory protection

Not generally required. Use inhalation protection in poorly ventilated areas

## Thermal hazards

No information

## Environmental exposure controls

Emissions from ventilation and process equipment should be checked to ensure compliance with environmental protection legislation.

## National Exposure Standards

No exposure standards have been established for this material by Worksafe Australia.

## Biological Limit Values

No biological limit allocated.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

FLASH POINT (°C)	53
APPEARANCE	Mobile liquid
COLOUR	Colourless to yellow-green
ODOUR	Medicinal, sweet, camphor note
ODOUR THRESHOLD	Not available
pH @20 DEG C	Not available
MELTING/FREEZING POINT	< -20°C

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INITIAL BOILING POINT AND RANGE	Not available
EVAPORATION RATE	Not available
FLAMMABILITY (SOLID/GAS)	Not available
UPPER/LOWER FLAMMABILITY LIMITS	Not available
VAPOUR PRESSURE	Not available
VAPOUR DENSITY	Not available
SPECIFIC GRAVITY @ 20°C	0.905 to 0.923
SOLUBILITIES	Insoluble in water
PARTITION COEFF N-OCTANAL/WATER	gP 2.74 to 2
AUTO-IGNITION TEMPERATURE	270°C
DECOMPOSITION TEMPERATURE	Not available
VISCOSITY @ 20 DEG C	Not available
EXPLOSIVE PROPERTIES	Not available
OXIDISING PROPERTIES	None

### 9.2 Other information

No further information available

## Section 10. Stability and reactivity

### 10.1 Reactivity

No data

### 10.2 Chemical Stability

Stable under the recommended storage conditions (see section 7).

### 10.3 Possibility of hazardous reactions

No hazardous reactions if stored under suitable storage conditions.

### 10.4 Conditions to avoid

Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to air.

### 10.5 Incompatible materials

Keep away from oxidising agents and from highly alkaline or acidic material.



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## 10.6 Hazardous decomposition products

During combustion may form carbon monoxide, carbon dioxide and unidentified organic compounds.

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Melaleuca cajuputi (CAS: 8008-98-8)  
Oral route: Data not available

May be harmful if swallowed.

#### Skin corrosion / irritation

Causes skin irritation.

#### Serious eye damage / irritation

Causes serious eye irritation.

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

#### Germ cell mutagenicity

No data

#### Carcinogenicity

No data

#### Reproductive toxicity

No data

#### STO-single exposure

No data

#### STO-repeated exposure

No data

#### Aspiration hazard

May be fatal if swallowed and enters airways.

#### Information on likely routes of exposure

No data

#### Symptoms related to the physical, chemical and toxicological characteristics

No data

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## **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

No data

## **Interactive effects**

No data

## **Other information**

No data

## **Section 12. Ecological information**

### **12.1 Toxicity**

Toxic to aquatic life with long lasting effects. Avoid contaminating waterways.

### **12.2 Persistence and degradability**

No data

### **12.3 Bioaccumulative potential**

No data

### **12.4 Mobility in soil**

Prevent contamination of soil, ground and surface water.

### **12.5 Results of PBT and vPvB assessment**

No data

### **12.6 Other adverse effects**

See sections 6, 7, 13 and 15.

## **Section 13. Disposal considerations**

Please refer to the information in section 8 (Exposure controls and personal protection)

### **13.1 Waste treatment methods**

Dispose in accordance with the law and local regulations. Treat as trade effluent.

## **Section 14. Transport information**

### **14.1 UN number**

ADR 1169

IATA 1169

IMDG 1169

### **14.2 UN proper shipping name**

ADR EXTRACTS, AROMATIC, LIQUID

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IATA           EXTRACTS, AROMATIC, LIQUID  
IMDG           EXTRACTS, AROMATIC, LIQUID

## 14.3 Transport hazard class(es)

ADR            3  
IATA            3  
IMDG            3

## 14.4 Packing group

ADR            III  
IATA            III  
IMDG            III  
Tunnel Code   (D/E)

## 14.5 Environmental Hazards

Dangerous for the environment. Marine pollutant.

## 14.6 Special precautions for user

Maritime Transport (International Maritime Dangerous Goods Code (IMDG Code)):  
EmS: F-E, S-D  
Marine Pollutant: YES

Road and Rail Transport (Australian Dangerous Goods Code (ADG Code)):

**HazChem Code**   3Y

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

Not applicable

## Section 15. Regulatory information

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

Poisons Schedule: S6 POISON           HS Tariff Code: 3302.90.00  
HSNO Approval Number : HSR002495

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

## Section 16. Other information

### Full list of precautionary phrases

P210                   Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P241	Use explosion-proof equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing fumes.
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye protection
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE.
P301+P312	IF SWALLOWED: Call a POISON CENTRE if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P337+P313	If eye irritation persists: Get medical attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents and container to local.

### **Wording of any hazard classes listed in section 3**

FL 3	Flammable liquid, category 3
FL 4	Flammable liquid, category 4
FS 2	Flammable solid, category 2
ATO 4	Acute toxicity, oral, category 4
ATO 5	Acute toxicity, oral, category 5
AH 1	Aspiration hazard, category 1
ATD 5	Acute toxicity, dermal, category 5
SCI 2	Skin corrosion/irritation, category 2
SCI 3	Skin corrosion/irritation, category 3
SS 1	Skin sensitisation, category 1
SS 1B	Skin sensitisation, category 1B

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EDI 2A	Eye damage/irritation, category 2A
ATI 4	Acute toxicity, inhalation, category 4
STO-SE 3(RI)	Specific target organ, single exposure, respiratory irritation
EH A1	Aquatic hazard, acute, category 1
EH A2	Aquatic hazard, acute, category 2
EH A3	Aquatic hazard, acute, category 3
EH C1	Aquatic hazard, chronic, category 1
EH C2	Aquatic hazard, chronic, category 2
EH C3	Aquatic hazard, chronic, category 3

### **Wording of any hazard statements listed in section 3**

H226	Flammable liquid and vapour
H227	Combustible liquid
H228	Flammable solid
H302	Harmful if swallowed
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways
H313	May be harmful in contact with skin
H315	Causes skin irritation
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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## **References and further information**

KEY:

N/A = Not applicable

Version 1: GHS format, BV 07/06/2017

Version 2: mMinor changes, JR 27/08/2021

Authorised by: JJ 27/08/2021

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd 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 intended only as a guide to the appropriate handling of this material.