



EOBOD ESSENTIAL OIL COMPANY LIMITED

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All Prices in Vietnam Dong (VND). 1\$ (USD) = 22.500 VND - 22.700 VND

CAJEPUT ESSENTIAL OIL SAFETY DATA SHEET (SDS)

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

1.1 Product Identifier

Product Name	Cajeput Oil.
Biological Definition	Melaleuca Leucadendron Cajaputi Oil is the volatile oil obtained from <i>Melaleuca leucadendron L. var. cajaputi, Myrtaceae.</i>
INCI Name	Melaleuca Leucadendron Cajaputi Oil.
Synonyms & Trade Names	-

CAS-No	85480-37-1	EC No.	287-316-4	EINECS No.	287-316-4
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1.2 Relative identified uses of the substance or mixture and uses advised against
Cosmetics Flavours Fragrances.

1.3 Details of the supplier of the safety data sheet

EOBOD ESSENTIAL OIL CO.Ltd No19, 18St, Linh Chieu Ward, Thu Duc Dt, Ho Chi Minh city, Viet Nam, Reg No 0314053002

1.4 Emergency Tel. No. +84 906759293

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The Full Text for all Hazard Statements displayed in Section 16.

Classification (EC 1272/2008)

Aspiration toxicity Category 1 - (H304).

Skin corrosion/irritation Category 2 - (H315).

Serious eye damage/eye irritation Category 2 - (H319).

Skin sensitization Category 1B - (H317).

Chronic aquatic toxicity Category 2 - (H411).

Flammable liquids Category 3 - (H226).

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

GHS08

GHS07

GHS09

GHS02

eobod

Signal Word Danger.

Contains -

Hazard Statements

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H317 - May cause an allergic skin reaction.

H411 - Toxic to aquatic life with long lasting effects.

H304 - May be fatal if swallowed and enters airways.

H226 - Flammable liquid and vapour.

Precautionary Statements

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 - Do NOT induce vomiting.

P273 - Avoid release to the environment.

Supplementary Precautionary Statements

None.

2.3 Other Hazards

PBT or vPvB

according to Annex XIII No additional data available.

XIII

Adverse physio-chemical properties Toxic to aquatic life.

Adverse effects on human health May be harmful if swallowed May be harmful in contact with skin.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

50.0 - 70.0% Eucalyptol CAS-No.: 470-82-6 EC No.: 207-431-5

Classification (EC 1272/2008) Skin Irrit. 3 (316) (EFFA), Acute Tox. 5 (H303)(EFFA), Flam. Liq. 3 (H226)(EFFA),

Skin Irrit. 3 (H316), Acute Tox. 5 (H303)

5.0 - 15.0% Alpha-Terpineol CAS-No.: 98-55-5 EC No.: 202-680-6

Classification (EC 1272/2008) Aquatic Acute 2 (H401) (EFFA), Eye Irrit. 1 (H319) (EFFA), Skin Irrit. 2 (315)

(EFFA), Acute Tox. 5(H303)(EFFA), Flam. Liq. 4 (H227)(EFFA), Eye Irrit. 1 (H319), Skin Irrit. 2 (H315)
Acute

Tox. 5 (H303)

1.0 - 10.0% D-Limonene CAS-No.: 5989-27-5 EC No.: 227-813-5

Classification (EC 1272/2008) Aquatic Acute 1 (H400), Skin Sens. 1(H317), Skin Irrit. 2 (315), Asp. Tox. 1 (H304), Aquatic Chronic 1 (H410), Flam. Liq. 3 (H226)

1.0 - 5.0% Linalool CAS-No.: 78-70-6 EC No.: 201-134-4

Classification (EC 1272/2008) Aquatic Acute 3 (H402) (EFFA), Eye Irrit. 1 (H319) (EFFA), Skin Irrit. 2 (315) (EFFA), Acute Tox. 5 (H303)(EFFA), Flam. Liq. 4 (H227)(EFFA), Aquatic Acute 3 (H402), Eye Irrit. 1 (H319), Skin Irrit. 2 (H315), Acute Tox. 5 (H303)

1.0 - 3.0% Alpha-Pinene CAS-No.: 80-56-8 EC No.: 201-291-9

Classification (EC 1272/2008) Acute Aquatic 1(H400), Chronic Aquatic 1 (H410), Skin Sens. 1 (H317) (EFFA), Skin Irrit. 2 (315) (EFFA), Asp. Tox. 1 (H304) (EFFA), Acute Tox. 5 (H303)(EFFA), Flam. Liq. 3 (H226) (EFFA), Skin Sens. 1 (H317), Skin Irrit. 2 (H315), Acute Tox. 5 (H303)

1.0 - 3.0% Myrcene CAS-No.: 123-35-3 EC No.: 204-622-5

Classification (EC 1272/2008) Eye Irrit. 1 (H319) (EFFA), Skin Irrit. 2 (315) (EFFA), Asp. Tox. 1 (H304) (EFFA),

Eye Irrit. 1 (H319), Skin Irrit. 2 (H315)

1.0 - 3.0% Beta-Pinene CAS-No.: 127-91-3 EC No.: 204-872-5

Classification (EC 1272/2008) Aquatic Acute 2 (H401) (EFFA), Eye Irrit. 1 (H319) (EFFA), Skin Irrit. 2 (315)

(EFFA), Acute Tox. 5(H303)(EFFA), Flam. Liq. 4 (H227)(EFFA), Eye Irrit. 1 (H319), Skin Irrit. 2 (H315)
Acute

Tox. 5 (H303)

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Remove to fresh air.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eye No additional data available.

Contact

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

No information available.

5.2 Special hazards arising from the product

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation, especially in confined areas.

For emergency responders

Use personal protection recommended in Section 8.

6.2 Environmental Precautions

Collect spillage.

6.3 Methods and material for containment and cleaning up.

Methods for Containment:

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up:

Take up mechanically, placing in appropriate containers for disposal.

6.4 Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation, especially in confined areas.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Risk Management Methods (RMM)

The information required is contained in this Material Safety Data Sheet.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Chemical Name	European Union Kingdom	France	United Spain	Germany
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D-Limonene
5ppm

-

-

TWA: 1000 mg/m³

-

TWA:

28 mg/m³

STEL: 1500 mg/m³

TWA:

Peak: 20 ppm

Ceiling /

Peak: 112 mg/m³

Ceiling /

Skin

Alpha-Pinene
20ppm

-

-

TWA: 1000 mg/m³

TWA:

113mg/m³

-

STEL: 1500 mg/m³

TWA:

Myrcene - - - TWA: 1000 mg/m3 -
 mg/m3 - STEL: 1500

Beta-Pinene - - - TWA: 1000 mg/m3 TWA:
 20ppm - STEL: 1500 mg/m3 TWA:
 113mg/m3 -

Chemical Name Italy Portugal Netherlands Finland Denmark

Limonene - - - TWA:
 25ppm - TWA: 140 mg/m3
 STEL: 50ppm
 STEL: 280 mg/m3

Alpha-Pinene - TWA: 20ppm - - -

Betaa-Pinene - TWA: 20ppm - - -

Chemical Name Austria Switzerland Poland Norway Ireland

D-Limonene - STEL: 14ppm - TWA: 25ppm -
 STEL 80 mg/m3 TWA: 140 mg/m3

TWA: 7ppm

TEL: 25 ppm

TWA: 40 mg/m3

STEL: 140 mg/m3

Alpha-Pinene

-

-

-

TWA: 25ppm

-

TWA: 140 mg/m3

Skin

TEL: 25 ppm

STEL: 140 mg/m3

Myrcene

-

-

-

TWA: 40ppm

-

TWA: 275 mg/m3

TEL: 40 ppm

STEL: 275 mg/m3

Beta-Pinene

-

-

-

TWA: 25ppm

-

TWA: 140 mg/m3

TEL: 25 ppm

STEL: 140 mg/m3

Derived No Effect Level (DNEL)

No information available

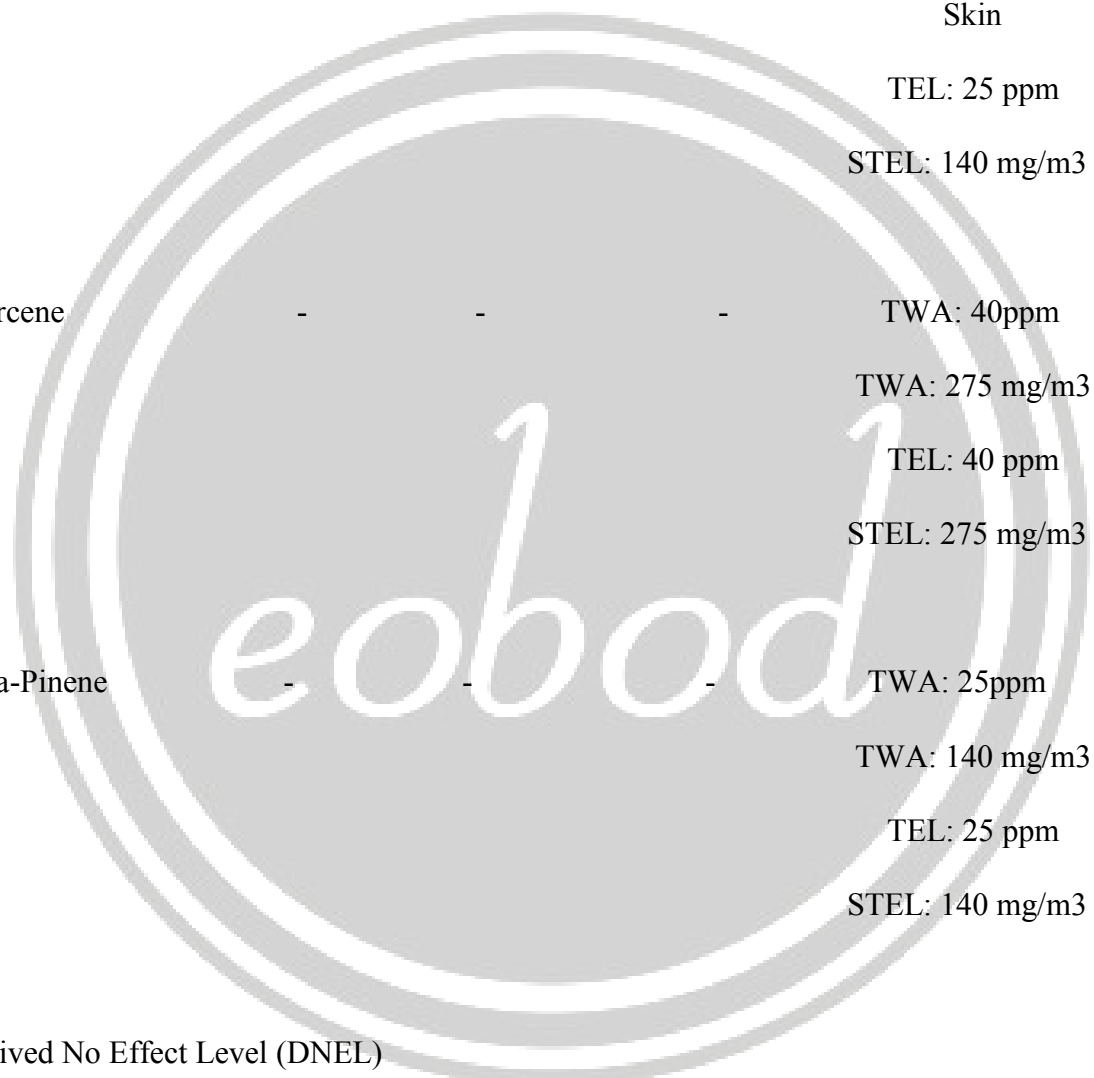
Predicted No Effect Concentration (PNEC)

No information available.

8.2 Exposure controls

Protective Equipment

Process No additional data available.



Conditions Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Respiratory Equipment	No additional data available.
Hand Protection	No additional data available.
Eye Protection	Tight sealing safety goggles.
Other Protection	No additional data available.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	No additional data available.
Skin Protection	Suitable protective clothing.
Environmental Exposure Controls	No additional data available.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1

Information on basic physical and chemical properties

Appearance	Clear mobile liquid.
Colour	Liquid, light yellow.
Odour	Characteristic.
Relative Density	0.905 – 0.935 @ 20°C.
Flash Point (°C)	46 °C / 110 °F
Refractive Index	1.461 – 1.472 @ 20°C.
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available.

9.2

Other information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No additional data available.

10.2 Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact.

None.

Sensitivity to Static Discharge.

None.

10.3 Possible hazardous reactions

Possibility of Hazardous Reactions

None under normal processing.

10.4 Conditions to Avoid

Heat, flames and sparks.

10.5 Incompatible materials

No additional data available.

10.6 Hazardous Decomposition Products

None under normal use conditions.

11. TOXOLOGICAL INFORMATION

11.1

Information on toxicological effects

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation No data available.

Eye Contact No data available.

Skin contact No data available.

Ingestion No data available.

The following values are calculated based on chapter 3.1 of the GHS document

Acute Toxicity **ATEmix (oral)** 2,692.00

ATEmix (dermal) 5,000.00

Unknown acute toxicity

100 % of the mixture consists of ingredient(s) of unknown toxicity.

22.4 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

98.1 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity

(vapor)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Eucalyptol

Oral LD50 = 2480 mg/kg (rat)

Alpha-Terpineol

Oral LD50 = 5170 mg/kg (rat)

D-Limonene

Oral LD50 = 4400 mg/kg (rat)

Dermal LD50 >5 g/kg (rabbit)

Linalool

Oral LD50 = 2790 mg/kg (rat)

Dermal LD50 = 5610 mg/kg (rat)

Alpha-Pinene

Oral LD50 = 3700 mg/kg (rat)

Dermal LD50 > 5000 mg/kg (rat)

Myrcene

Oral LD50 >5 g/kg (rat)

Dermal LD50 >5 g/kg (rabbit)

B-Pinene

Oral LD50 = 4700 mg/kg (rat)

Skin corrosion / irritation
Serious eye damage /
irritation
Respiratory or skin

No additional data available.

No additional data available.

No additional data available.

sensitisation	
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	No additional data available.
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.
	None.

Other Information

12. ECOLOGICAL INFORMATION

12.1 Toxicity

78 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Eucalyptol Pimephales	-	95.4 - 109: 96 h promelas mg/L LC50 flow-through	
D-Limonene Pimephales	-	0.619 - 0.796: 96 h promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	
Linalool Daphnia magna mg/L	88.3: 96 h Desmodesmus	22 - 46: 96 h Leuciscus idus mg/L	20: 48 h
static	subspicatus mg/L EC50 EC50	LC50	

Alpha-Pinene
Daphnia magna mg/L LC50

-

0.28: 96 h Pimephales promelas

41: 48 h

mg/L LC50 static

12.2 Persistence & degradability

No additional data available.

12.3 Bioaccumulation Potential

No additional data available.

12.4 Mobility in soil

No additional data available.

12.5 Results of PBT and vPvB Assessment

No additional data available.

12.6 Other adverse effects

No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from Residues / Unused Products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Improper disposal or reuse of this container may be dangerous and illegal.

14. TRANSPORT INFORMATION

14.1 UN number

UN No. Road	1169
UN No. SEA	1169
UN No. AIR	1169

14.2 UN proper shipping name

Extracts, Aromatic, Liquid.

14.3 Transport hazard class(es)

ADR/RID/ADN Class 3

ADR/RID/ADN Class 3

IMDG Class 3

ICAO Class/Division 3

14.4 Packing group

ADR/RID/ADN Packing group III

IMDG Packing group III

ICAO Packing group III

14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant.

14.6 Special precautions for user

None.

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

EmS-No F-E, S-D

Classification code B1, IB3

Tunnel restriction code T2, TP1

15. REGULATORY INFORMATION

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

H319 - Causes serious eye irritation.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

Hazard and/or Precautionary Statements in Full H317 - May cause an allergic skin reaction.

H226 - Flammable liquid and vapour.

H402 - Harmful to aquatic life.

H303 - May be harmful if swallowed.

H227 - Combustible liquid.

H401 - Toxic to aquatic life.

None.

26/05/2016

New format and updated SDS.

02

Other Information

Revision Date

Reason for revision

Rev No/Repl, SDS Generated

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responsibility to satisfy himself as to the suitability of such information for his own particular use.

