

Material safety data sheet

According to EU Regulation Regulation (EU) 2020/878 in the current version

Cajeput Organic Pure Essential Oil

1. Identification of the substance/mixture and company

Trade name: Cajeput Organic Essential Oil
I.N.C.I. Melaleuca Leucadendron Cajuputi Leaf Oil
CAS No.: 8008-98-8
EC No.: 287-316-4
REACH No.: exempted
Utilization: Raw material for cosmetic use, aromatic material
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.ellemental.com
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

AH1 Aspiration hazard 1
ATO4 Acute toxicity oral 4
ED12 Serious eye damage / eye irritation 2
EHA1 Hazardous to the aquatic environment, acute hazard 1
EHC2 Hazardous to the aquatic environment, long-term hazard 2
FL3 Flammable Liquids 3
REP2 Reproductive toxicity 2
SCI2 Skin corrosion / irritation 2
SS1 Sensitisation skin 1
H226 - Flammable liquid and vapour.
H302 - 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.
H361 - Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H400 - Very toxic to aquatic life.
H411 - Toxic to aquatic life with long lasting effects

2.2 Label elements

Hazard pictograms(CLP):



Warning mention : Danger

AH1 Aspiration hazard 1

ATO4 Acute toxicity oral 4

ED12 Serious eye damage / eye irritation 2

EHA1 Hazardous to the aquatic environment, acute hazard 1

EHC2 Hazardous to the aquatic environment, long-term hazard 2

FL3 Flammable Liquids 3

REP2 Reproductive toxicity 2

SCI2 Skin corrosion / irritation 2

Material safety data sheet

According to EU Regulation Regulation (EU) 2020/878 in the current version

Cajeput Organic Pure Essential Oil

SS1 Sensitisation skin 1

H226 - Flammable liquid and vapour.

H302 - 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.

H361 - Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H400 - Very toxic to aquatic life.

H411 - Toxic to aquatic life with long lasting effects.

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

P273 - Avoid release to the environment.

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

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

P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/... 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 [or shower].

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

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

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

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

P362+P364 - Take off contaminated clothing and wash it before reuse.

P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents/container according to applicable legislations

2.3. Other hazards

Contains Eucalyptol (Cinéole-1.8), d-Limonene, Terpinolene, Linalool, alpha-Pinene, Myrcene, beta-Pinene, Terpinene-4-ol, beta-Caryophyllene, p-Cymene

3. Declaration of ingredients

3.1. Substances

List of components that need to be reported:

Eucalyptol (Cinéole-1.8) 75.00%

FL3, SS1B / H226, H317

CAS# 470-82-6 / EINECS# 207-431-5

alpha-Terpineol 20.00%

EDI2, SCI2 / H319, H315

CAS# 98-55-5 / EINECS# 202-680-6

d-Limonene 15.00%

AH1, EHA1, EHC3, FL3, SCI2, SS1B / H304, H400, H412, H226, H315, H317

CAS# 5989-27-5 / EINECS# 227-813-5

Linalool 10.00%

EDI2, SCI2, SS1B / H319, H315, H317

Material safety data sheet

According to EU Regulation Regulation (EU) 2020/878 in the current version

Cajeput Organic Pure Essential Oil

CAS# 78-70-6 / EINECS# 201-134-4

Terpinolene 10.00%

AH1, EHA1, EHC1, FL3, SS1B / H304, H400, H410, H226, H317

CAS# 586-62-9 / EINECS# 209-578-0

Gamma-terpinene 8.00%

AH1, EHC2, FL3, REP2 / H304, H411, H226, H361

CAS# 99-85-4 / EINECS# 202-794-6

alpha-Pinene 8.00%

AH1, ATO4, EHA1, EHC1, FL3, SCI2, SS1B / H304, H302, H400, H410, H226, H315, H317

ATE (Orale) : 500mg/kg

CAS# 80-56-8 / EINECS# 201-291-9

Myrcene 6.00%

AH1, EDI2, EHA1, EHC2, FL3, SCI2 / H304, H319, H400, H411, H226, H315

CAS# 123-35-3 / EINECS# 204-622-5

Terpinene-4-ol 5.00%

ATI3, ATO4, EDI2, SCI2, SS1, STO-SE3-NE / H331, H302, H319, H315, H317, H336

ATE (Orale) : 1300mg/kg

ATE (Inhalation) : 3mg/L

CAS# 562-74-3 / EINECS# 209-235-5

beta-Caryophyllene 5.00%

AH1, SS1B / H304, H317

CAS# 87-44-5 / EINECS# 201-746-1

beta-Pinene 5.00%

AH1, EHA1, EHC1, FL3, SCI2, SS1B / H304, H400, H410, H226, H315, H317

CAS# 127-91-3 / EINECS# 204-872-5

p-Cymene 4.00%

AH1, ATI3, EHC2, FL3, REP2 / H304, H331, H411, H226, H361

ATE (Inhalation) : 9.7mg/L

CAS# 99-87-6 / EINECS# 202-796-7

3.2. Mixtures

Not applicable

4. First aid measures

4.1. Description of first aid measures

First-aid measures general: Call a doctor immediately.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact: Wash skin with plenty of water.

First-aid measures after eye contact: Rinse eyes with water as a precaution.

First-aid measures after ingestion: Do not induce vomiting. Call a doctor immediately.

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

Symptoms/effects after ingestion: Risk of lung oedema.

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

Treat symptomatically.If you feel unwell, contact a doctor immediately.

5. Fire fighting measures

Material safety data sheet

According to EU Regulation Regulation (EU) 2020/878 in the current version

Cajeput Organic Pure Essential Oil

5.1 Means of extinction

Appropriate extinction method:

In case of fire, use water spray (or fog) and appropriate fire extinguishers (CO₂, powder ...)

Inappropriate extinction method:

In case of fire, never use direct water stream.

5.2 Special hazards arising from the substance or mixture

In case of fire, may produce toxic fumes of carbon monoxide (CO) or carbon dioxide (CO₂). Exposure to decomposition products may be hazardous to health. Do not breathe fumes.

5.3 Recommendations for fire-fighters

Always wear full fire protection equipment. (Protective helmet with visor, fireproof clothing, operating gloves, self-contained breathing apparatus).

6. Accidental release measures

6.1 Personal precautions, protective devices and emergency procedures

In the event of a product leak or spill, remove any flames or other heat sources from the area where the leak occurred. If necessary use airway protection; protective clothing (e.g. safety glasses or masks) must be worn. Do not handle damaged containers or spilled product without first wearing appropriate protective equipment.

Refer to protective measures listed in sections 7 and 8.

For non-emergency personnel:

Avoid breathing vapors. Avoid all contact with skin and eyes. If necessary, evacuate staff by trained operators equipped with safety equipment

For emergency responders:

Appropriate personal protective equipment will be required (refer to Section 8).

Use appropriate personal protective equipment during clean-up.

6.2 Environmental precautions

Prevent contamination of soil and water, while entering into drains, ditches and rivers. Notify authorities if the product penetrates into the sewers or public waters.

6.3 Methods and materials for containment and remediation

Absorb the spilled product with inert absorbent material (sand, vermiculite, diatomaceous earth). Collect most of the resulting material and place it in containers for disposal. Provide sufficient ventilation of the leak site.

6.4 Reference to other sections

Refer to sections 8 and 13 for information on exposure control, personal protection and disposal

7. Handling and storage

7.1 Precautions for safe handling

Use in a well-ventilated place. Do not eat, drink or smoke while handling the product.

Wash hands after use.

Reproduce labeling if transfer to another container.

Ensure adequate ventilation.

Provide safety showers and eye washes.

Fire prevention:

Material safety data sheet

According to EU Regulation Regulation (EU) 2020/878 in the current version

Cajeput Organic Pure Essential Oil

Prevent access by unauthorized persons.

Handle in well ventilated areas.

Equipment and procedures:

For personal protection, see Section 8.

Observe precautions stated on the label and regulations of labor protection.

Close the packaging after use.

Avoid inhalation of vapors and contact with skin or eyes.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed containers away from heat sources and protected from extreme temperatures.

Keep containers closed when not in use.

Always keep in appropriate packages (identical to the original material).

7.3 Specific end uses

No further information available

8. Exposure controls / personal protection

8.1 Control parameters

There are no specific control parameters

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

Personal protective equipment:

Hand protection: Protect your hands with category I work gloves (ref.

Directive 89/686/EEC and standard EN 374) such as latex, PVC or equivalent.

Skin protection: Wear work clothes with long sleeves and safety footwear for professional use in category I (ref.

Directive 89/686/EEC and standard EN 344). Wash with soap and water after removing protective clothing.

Respiratory protection: Use protective masks. The use of respiratory protection means is necessary in the absence of technical measures to limit worker exposure.

Eye protection: it is recommended to wear airtight protective glasses (ref. EN 166 standard).

Engineering measures:

Avoid contact with eyes, skin or clothing. Do not ingest. Avoid contact with food, drinks.

Do not eat, do not drink and do not smoke during use.

Symbol compulsory wearing of personal protective equipment (PPE)



9. Physical and chemical properties

9.1 Information on physical and chemical properties

| | | |
|---------------------------|---|---------------------------|
| Physical state | : | Liquid |
| Appearance | : | liquid at room temperture |
| Colour | : | Pale Yellow |
| Odour | : | Aromatic, fresh. |
| Odour threshold | : | No data available |
| pH | : | No data available |
| Relative evaporation rate | : | No data available |
| Melting point | : | Not applicable |
| Freezing point | : | No data available |

Material safety data sheet

According to EU Regulation Regulation (EU) 2020/878 in the current version

Cajeput Organic Pure Essential Oil

| | | |
|---|---|-------------------------|
| Boiling point | : | No data available |
| Flash point | : | +45 °C |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Flammability | : | Not applicable |
| Vapour pressure | : | No data available |
| Relative vapour density at 20°C | : | No data available |
| Specific gravity (20/20°C) | : | 0.895 – 0.925 |
| Solubility | : | No data available |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Viscosity, kinematic | : | < 20 mm ² /s |
| Viscosity, dynamic | : | No data available |
| Explosive properties | : | No data available |
| Oxidising properties | : | No data available |
| Explosive limits | : | No data available |

9.2 Other information

Refractive index: 1.455 – 1.480

10. Stability and reactivity

10.1 Responsiveness

No dangerous reactions during storage and handling according to specifications.

10.2 Chemical stability

Stable product during storage and handling according to specifications.

10.3 Possibility of dangerous reactions

No dangerous reactions during storage and handling according to specifications.

10.4 Conditions to avoid

Avoid excessive heat (naked flames, sparks, ...).

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

Thermal decomposition / conditions to be avoided:

Avoid contact with any flame or spark, flame, Overheat. Avoid Direct rays of the sun.

No decomposition if used according to specifications.

Dangerous decomposition products:

No dangerous decomposition products known.

11. Toxicological information

11.1 Information on toxicological effects

Material safety data sheet

According to EU Regulation Regulation (EU) 2020/878 in the current version

Cajeput Organic Pure Essential Oil

Acute toxicity (oral) : 1 549,11 (De-terminated)
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified
Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: May be fatal if swallowed and enters airways

12. Ecological information

12.1 Toxicity

Do not leave the product, even diluted in great quantity, penetrate the ground water, water or the drains.

Ecology - general: Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute): Not classified

Hazardous to the aquatic environment, long-term (chronic): Toxic to aquatic life with long lasting effects

12.2 Persistence and degradability

No information available

12.3 Bioaccumulation potential

No information available

12.4 Ground mobility

No information available

12.5 Results of PBT and vPvB assessment

No information available

12.6 Other adverse effects

No information available

13. Disposal considerations

13.1 Waste treatment methods

Product residues are to be considered special hazardous waste. The hazardousness of waste containing part of this product must be assessed in accordance with current legislation.

Disposal must be entrusted to an authorised waste management company in accordance with national and, if applicable, local regulations.

Contaminated packaging must be sent for recovery or disposal in accordance with national waste management regulations.

14. Transport information

Material safety data sheet

According to EU Regulation Regulation (EU) 2020/878 in the current version

Cajeput Organic Pure Essential Oil

14.1 - UN Number

ADR/ADN/RID : 1197 (Tunnel code(D/E))

IMDG:1197

IATA :1197

14.2 - UN proper shipping name

ADR/ADN/RID : EXTRACTS, LIQUID

IMDG:EXTRACTS, LIQUID

IATA :EXTRACTS, LIQUID

14.3. Transport hazard class(es)

ADR/ADN/RID : 3

IMDG:3

IATA :3

14.4. Packing group

ADR/ADN/RID : III

IMDG:III

IATA :III

14.5. Environmental hazards

IMDG : NO CONCERNED

Marine pollutant(s) : Terpinolene

14.6. Special precautions for user

NO CONCERNED

14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable



15. Regulatory information

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

Class of water contamination (Germany) : WGK (no information available)

15.2 - Chemical safety assessment

Not listed on the REACH Candidate List

Not listed on REACH Annex XIV (Authorisation List)

Not listed on the PIC list (Regulation EU 649/2012)

Not listed on the POP list (Regulation EU 2019/1021)

16. Additional information

16.1 Abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula-tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergen-cy Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships car-rying Dangerous Chemicals in

Material safety data sheet

According to EU Regulation Regulation (EU) 2020/878 in the current version

Cajeput Organic Pure Essential Oil

Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; INCI: International Nomenclature of Cosmetic Ingredients; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; PNEC: Predicted No Effect Concentration; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; STE: Short-term exposure; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative.

Full H sentences text in section 3:

H226 Flammable liquid and vapour.

H302 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.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H400 Very toxic 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

DECLARATION OF ALLERGENS

Fragrance ingredients restricted as 26 potential allergens in previous ANNEX III of EUROPEAN COSMETIC REGULATION (EC) No1223/2009 and its amendments and in Schedule 34 of the Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 Statutory Instrument

| INGREDIENT NAME | C.A.S. | Maximum % in the substance determined by GCMS analysis |
|------------------------|----------|--|
| ALPHA-ISOMETHYL IONONE | 127-51-5 | - |
| AMYL CINNAMAL | 122-40-7 | - |
| AMYL CINNAMYL ALCOHOL | 101-85-9 | - |
| ANISE ALCOHOL | 105-13-5 | - |

Material safety data sheet

According to EU Regulation Regulation (EU) 2020/878 in the current version

Cajeput Organic Pure Essential Oil

| | | |
|---|------------|--------|
| BENZYL ALCOHOL | 100-51-6 | - |
| BENZYL BENZOATE | 120-51-4 | - |
| BENZYL CINNAMATE | 103-41-3 | - |
| BENZYL SALICYLATE | 118-58-1 | - |
| BUTYLPHENYL METHYLPROPIONAL | 80-54-6 | - |
| CINNAMAL | 104-55-2 | - |
| CINNAMYL ALCOHOL | 104-54-1 | - |
| CITRAL | 5392-40-5 | - |
| CITRONELLOL | 106-22-9 | - |
| COUMARIN | 91-64-5 | - |
| EUGENOL | 97-53-0 | - |
| EVERNIA FURFURACEA (TREETMOSS) EXTRACT | 90028-67-4 | - |
| EVERNIA PRUNASTRI (OAKMOSS) EXTRACT | 90028-68-5 | - |
| FARNESOL | 4602-84-0 | - |
| GERANIOL | 106-24-1 | - |
| HEXYL CINNAMAL | 101-86-0 | - |
| HYDROXYCITRONELLAL | 107-75-5 | - |
| HYDROXYISOHEXYL 3- CYCLOHEXENE CARBOXALDEHYDE | 31906-04-4 | - |
| ISOEUGENOL | 97-54-1 | - |
| LIMONENE | 5989-27-5 | 15,000 |
| LINALOOL | 78-70-6 | 10,000 |
| METHYL 2-OCTYNOATE | 111-12-6 | - |

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.