

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Organic Pure Tea Tree Essential Oil

1. Identification of the substance/mixture and company

Trade name: Organic Pure Tea Tree Essential Oil
100% pure and natural
INCI Melaleuca alternifolia leaf oil
CAS No. : 68647-73-4
EINECS No. : 285-377-1
REACH pre-registration No.: 01-2120743651-57-0029
Utilization: Raw material for cosmetic or professional use
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu
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

GHS Classification (CLP Regulation):
AH1 Aspiration hazard 1
ATO4 Acute toxicity oral 4
ED12 Serious eye damage / eye irritation 2
EHC2 Hazardous to the aquatic environment, long-term hazard 2
FL3 Flammable Liquids 3
SC12 Skin corrosion / irritation 2
SS1 Sensitization skin 1
H226 - Flammable liquid and vapor.
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.
H411 - Toxic to aquatic life with long lasting effects.

2.2. Label elements

GHS Classification (CLP Regulation):
Warning mention: Danger
AH1 Aspiration hazard 1
ATO4 Acute toxicity oral 4
ED12 Serious eye damage / eye irritation 2
EHC2 Hazardous to the aquatic environment, long-term hazard 2
FL3 Flammable Liquids 3
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SS1 Sensitization skin 1

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H319 - Causes serious eye irritation.

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.

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/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.

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

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

P501 - Dispose of contents/container according to applicable legislation.



2.3. Other hazards

Contains Terpinene-4-ol, p-Mentha-1,4-diene, p-Cymene, alpha-terpinene, alpha-Terpineol, alpha Pinene, d-Limonene, Myrcene.

3. Declaration of ingredients

3.1 The product contains the following ingredients:

Substance	CAS	EINECS	Risk symbols	Percent %
Terpinene-4-ol	562-74-3	209-235-5	ATO4, EDI2, SCI2 - H302, H315, H319	50.00
p-Mentha-1,4-diene	99-85-4	202-794-6	AH1, FL3 - H226, H304	30.00
Eucalyptol	470-82-6	207-431-5	FL3, SS1B - H226, H317	15.00
alpha-terpinene	99-86-5	202-795-1	AH1, ATO4, EHC2, FL3 - H226, H302, H304, H411	15.00
p-Cymene	99-87-6	202-796-7	AH1, EHC2, FL3 - H226, H304, H411	15.00
alpha-Terpineol	98-55-5	202-680-6	EDI2, SCI2 - H315, H319	8.00

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Terpinolene	586-62-9	209-578-0	AH1, EHA1, EHC1, FL3, SS1B – H226, H304, H317, H400, H410	6.00
alpha-Pinene	80-56-8	201-291-9	AH1, EHA1, EHC1, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H410	6.00
Myrcene	123-35-3	204-622-5	AH1, EDI2, FL3, SCI2 - H226, H304, H315, H319	3.00
beta-Phellandrene	555-10-2	209-081-9	AH1, FL3 - H226, H304	3.00
d-Limonene	5989-27-5	227-813-5	AH1, EHA1, EHC1, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H410	3.00

3.2. Mixtures
Not applicable.

4. First aid measures

4.1. Description of first aid measures

Skin Contact: Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/ attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

In case of ingestion: Do not induce vomiting, maintain the patient at rest. Resort to the medical care.

In case of inhalation: Move the victim to fresh air. Get medical advise immediately.

Soiled clothing: Withdraw soiled clothing and re-use them only after decontamination.

5. Fire fighting measures

5.1. Extinguishing media

Recommended: foam, dry powder, carbon dioxide (CO₂).

Inadvisable: avoid full water jet.

5.2. Special hazards arising from the substance or mixture

Flammability: The product is not easily flammable.

Prevention: Do not smoke. Do not use near flame.

5.3. Advice for firefighters

Never use a direct stream of water.

6. Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Use appropriate personal protective equipment during clean-up.

6.2. Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7. Handling and storage

7.1. Precautions for safe handling

Close packaging after use. Reproduce labeling if transferred in another container.

7.2. Conditions for safe storage, including any incompatibilities

Avoid any useless exposure. Keep away from food and drinks.

Store only in the container of origin in a clean and dry place. Keep containers closed when not in use.

Do not leave product near heat sources or in direct sun.

7.3. Specific end use(s)

Wash hands and any other area exposed with soap and water before eating, drinking, smoking and before leaving work.

8. Exposure controls / personal protection

8.1. Control parameters

Not applicable.

8.2. Exposure controls

General protective and hygienic measures:

- Avoid skin and eye contact. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

Personal Protection:

- Hand protection: Wear gloves.

- Eye protection: Wear glasses.

- Respiratory protection: Wear a mask.

- Ingestion: Do not drink or smoke during use.



9. Physical and chemical properties

9.1 Information on physical and chemical properties

Odor: Aromatic, warm, woody

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Color: Yellow greenish
Texture: Liquid
Flash point (°C): [+55 ; +59]
Refractive index at 20°C: [1.475 ; 1.485]
Relative density at 20°C: [0.880 ; 0.910]
Angular rotation at 20°C (°): [-5 ; +15]

9.2 Other information
None

10. Stability and reactivity

10.1. Reactivity
Not applicable.

10.2. Chemical stability
Not applicable.

10.3. Possibility of hazardous reactions
Not applicable.

10.4. Conditions to avoid
Not applicable.

10.5. Incompatible materials
Not applicable.

10.6. Hazardous decomposition products
Thermal decomposition / conditions to be avoided:
- Avoid contact with any flame or spark, flame, overheating.
- 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
Acute toxicity:
- Oral: 1 438,48 (Determined)
- Inhalation: Not determined
- Skin: 5 000,00 (Determined)

12. Ecological information

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12.1. Toxicity

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

12.3. Persistence and degradability

Not applicable.

12.4. 12.3. Bioaccumulative potential

Not applicable.

12.4. Mobility in soil

Not applicable.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

Not applicable.






13. Disposal considerations

13.1. Waste treatment methods

Product recommendation: Do not dispose with waste. Do not let penetrate in sewers.

Used packing recommendation: Disposal in accordance with regulations.

14. Transport information

ADR / RID	IMDG	IATA
 	 	

14.1. UN number

ADR: 1169 (Tunnel code D/E)

IMDG: 1169

IATA: 1169

14.2. UN proper shipping name

ADR: EXTRACTS, AROMATIC, LIQUID

IMDG: EXTRACTS, AROMATIC, LIQUID

IATA: EXTRACTS, AROMATIC, LIQUID

14.3. Transport hazard class(es)

ADR: 3

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IMDG:3
IATA: 3

14.4. Packing group

ADR: III
IMDG: III
IATA: III

14.5. Environmental hazards

IMDG: Marine Pollutant
Marine pollutant(s): Alpha-terpinene

14.6. Special precautions for user

Not applicable.

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

Not applicable.

15. Regulatory information

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

Not applicable.

15.2. Chemical safety assessment

Not applicable.

16. Additional information

16.1 Full H statements in point 3:

H226 Flammable liquid and vapor.
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.
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.

16.2 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

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GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

DECLARATION OF ALLERGENS

7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

Compounds	CAS	% Natural	% Synthetic	% Total
3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde	31906-04-4	-	-	-
alpha-Amylcinnamyl alcohol	101-85-9	-	-	-
alpha-Amylcinnamaldehyde	122-40-7	-	-	-
alpha-Hexylcinnamaldehyde	101-86-0	-	-	-
alpha-iso-Methylionone	127-51-5	-	-	-
Anisyl alcohol	105-13-5	-	-	-
Benzyl alcohol	100-51-6	-	-	-
Benzyl benzoate	120-51-4	-	-	-
Benzyl cinnamate	103-41-3	-	-	-
Benzyl salicylate	118-58-1	-	-	-
Cinnamaldehyde	104-55-2	-	-	-
Cinnamyl alcohol	104-54-1	-	-	-
Citral	5392-40-5	0,5000	-	0,5000
Coumarin	91-64-5	-	-	-
dl-Citronellol	106-22-9	-	-	-
d-Limonene	5989-27-5	3,0000	-	3,0000

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Eugenol	97-53-0	-	-	-
Farnesol	4602-84-0	-	-	-
Geraniol	106-24-1	0,2000	-	0,2000
Hydroxycitronellal	107-75-5	-	-	-
Isoeugenol	97-54-1	-	-	-
Linalool	78-70-6	0,5000	-	0,5000
Methyl 2-octynoate	111-12-6	-	-	-
Oakmoss absolute	9000-50-4, 689	-	-	-
p-t-Butyl-alpha-methylhydrocinnamic aldehyde	80-54-6	-	-	-
Treemoss (E. furfurac.)	68648-41-9, 68	-	-	-
Total:		4,2000	-	4,2000

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.