



**Material Safety Data Sheet**  
According to EU Regulation 1907/2006 in the current version

Date 11.08.2015  
Version 3.0

**TEA TREE ESSENTIAL OIL, ORGANIC**

**1. Identification of the substance/preparation and trade name**

Trade name: Tea tree essential oil, organic  
Product resulting from biological agriculture certified by Ecocert Greenlife F32600  
Utilization: aromatic raw material for cosmetic and professional use  
Company identification: **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, Bihor-Romania,  
Tel/Fax: +40259-436.755, www.elemental.eu  
Emergency: RO: Biroul pentru Regulamentul Sanitar Internațional și Informare Toxicologică - Telefon de urgență 021 318 3606

**2. Hazards Identification**

Acute Tox. 4, Skin. Irr. 2, Skin. Sens. 1 - H302, H315, H317 - Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction.  
Asp. Tox. 1 - H304 - May be fatal if swallowed and enters airways  
Aquatic Chronic 2 - H411 - Toxic to aquatic life with long lasting effects

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
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 or doctor/physician.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P321 Specific treatment (see on this label).  
P330 Rinse mouth.  
P331 Do NOT induce vomiting.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.  
P405 Store locked up.  
P501 Dispose of contents/container according to regulation in force

Danger



**3. Composition / Information on ingredients**

INCI-name: Melaleuca alternifolia leaf oil  
CAS-number: 85085-48-9 / 68647-73-4  
EINECS-number: 285-377-1  
Main constituents: terpineol-4, gamma-terpinene, alpha-terpinene, cineole 1-8  
Elemental SRL - www.elemental.eu



**Material Safety Data Sheet**  
According to EU Regulation 1907/2006 in the current version

Date 11.08.2015  
Version 3.0

**TEA TREE ESSENTIAL OIL, ORGANIC**

Allergens list see on section 16.

**4. First Aid**

After excessive inhalation:	Move exposed person to fresh air. Keep the person warm and at rest. Call a doctor in case of persistence or worsening of adverse health effects. If unconscious, place the person in recovery position and call a physician immediately. Ensure good air circulation.
First aid after Skin contact:	Remove contaminated clothing. Rinse affected area with plenty of water. Contact a physician if symptoms persist.
First aid after Eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention if irritation occurs.
First aid after Ingestion:	Rinse mouth with water. Move exposed person to fresh air. Keep the person warm and at rest. Do not induce vomiting unless directed by medical personnel. If vomiting occurs, keep head down to prevent the passage of vomit into the lungs. Call a doctor in case of persistence or worsening of adverse health effects. If unconscious, place the person in recovery position and call a physician immediately. Ensure good air circulation.

**5. Fire-fighting Measures**

Suitable extinguishing media:	Foam, dry chemical powder, carbon dioxide, sand or earth
Unsuitable extinguishing	Direct waterjet
Special protective equipment	Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.
Fire and explosion protection	Avoid open flames. Toxic vapours must be avoid during fire. Respiratory protection should be released during fire.
Other information	Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

**6. Accidental release measures:**

Personal precautions:	Provide adequate ventilation, avoid contact with skin and eye contact. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing). Don't smoke. Prevent any contact with hot surfaces (see rubric 8).
Environmental precautions	Shut off source. Prevent product from entering sewerage, water courses or low lying areas. Take measures to reduce or prevent effects on ground water.
Land spill:	Gather product mechanically if possible. Bind remainings of the product with sand or other appropriate absorbent and remove. Dispose of product and contaminated absorbents in suitable containers, as directed in section 13.
Water spill:	Confine the spill immediately with booms. Warn other ships. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. In running waters, apply appropriate dispersants in accordance with local regulation.
Methods for cleaning up:	Contain spilled material, cover with an inert, non-combustible, inorganic, absorbent material and destroy according to the regulation in force.



**Material Safety Data Sheet**  
According to EU Regulation 1907/2006 in the current version

Date 11.08.2015  
Version 3.0

**TEA TREE ESSENTIAL OIL, ORGANIC**

**7. Handling and Storage**

**Precautions for safe handling:** To avoid splashing into the eyes and mucous membranes and following the arrangement of the workplace and manipulations, wearing glasses and special clothing (gloves...) may be indicated. It is prohibit smoking in areas where they are handled. Do not heat with a naked flame or expose their vapors to a flame or other sources of ignition (eg electrical equipment). Do not abundantly breathe vapors. Large spillages should be contained with sand or inert powder.

**Conditions for safe storage:** Store in cool, dry and ventilated area, away from heat sources, sparks and open flames, protected from light in tightly closed original container

**8. Exposure Controls and Personal Protection**

**Respiratory protection:** Avoid to breath directly on the product. Ensure a good ventilation of the workroom.

**Hand protection:** Use protective gloves

**Eye protection:** Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes  
Before handling, wear safety goggles in accordance with standard EN166.

**Physical protection:** Use individual protective equipment



**9. Physical and Chemical Properties**

**Appearance:** liquid at room temperature  
**Colour:** colourless to pale yellow  
**Odour:** typical  
**Flash point:** > +58°C  
**Specific gravity at 20°C:** 0.890 to 0.906  
**Refractive index at 20°C:** 1.475 to 1.482  
**Optical rotation at 20°C:** +5° to +15°  
**Solubility(ies):** insoluble in water; soluble in oil

**10. Stability and Reactivity**

**Stability:** No significant modifications, respecting the storage conditions (see rubric 7).

**Reactivity:** This product is stable to shock, vibration and pressure under normal conditions of use. In the presence of light and heat, oxidation can occur.

**Conditions to avoid:** Do not heat to high temperature. Do not expose sealed containers in the sun. Keep away from sources of ignition.

**Substances to avoid:** Avoid contacts with strong acids, alkali or oxidizing agents.

**11. Toxicological Information**

**Acute toxicity:**

LD50 Oral-rat > 1900 mg/kg

LD50 Dermal-rabbit >= 2.000 mg/kg

Elemental SRL - [www.elemental.eu](http://www.elemental.eu)



**Material Safety Data Sheet**  
According to EU Regulation 1907/2006 in the current version

Date 11.08.2015  
Version 3.0

**TEA TREE ESSENTIAL OIL, ORGANIC**

Respiratory or skinsensitization: May cause an allergic skin reaction  
Serious eye damage – eye irritation: Causes serious eye irritation  
Respiratory or skin irritation: Cause a skin irritation  
Germ cell mutagenicity: No significant effects or critical hazards.  
Carcinogenicity: No significant effects or critical hazards.  
Reproductive toxicity: No significant effects or critical hazards.  
Cosmetics Allergens (76/768/EEC): see section 16  
IFRA restrictions: This substance and / or some of its components are affected by the Code of Practice of IFRA effective, available on the website: <http://www.ifraorg.org>

**12. Ecological Information**

Toxic to aquatic organisms, resulting in long-term adverse effects.  
Daphnia acute aquatotoxicity: 66.10 mg/l/48h. Water hazard class: 2  
Low mobility in soil. Persistence and biodegradability: not determined. Bioaccumulation potential: not determined.  
Results of PBT assessment and vPvB: according to our knowledge, no assessment has been conducted on the product.



**13. Disposal Considerations**

Recommendation:  
In accordance with local environmental laws. Do not discharge into drains or watercourses. Recycle or dispose of in accordance with prevailing regulations, preferably by a collector or an approved company. Do not contaminate the soil or water with waste, do not dispose of them in the environment. Completely empty container. Conserve or labels on the container. Give to a certified disposal contractor. Do not throw in natural surroundings.

**14. Transport Information**

UN no: 1169  
Road (ADR/RID): Class 3. UN 1169. Packing group III. Expedition name: Extracts, aromatic, liquid.  
Tunnel code: A,B,C,D  
Air (IATA/ICAO): Class 3. UN 1169. Packing group III. Expedition name: Extracts, aromatic, liquid.  
Sea (IMDG): Class 3. UN 1169. Packing group III. Expedition name: Extracts, aromatic, liquid.  
Maritime pollutant: Yes

**15. Additional Regulatory Information**

Regulations specific for the substance or mixture:  
This Safety Data Sheet has been prepared in accordance with Annex II to Regulation 1907/2006  
Further informations: see section 2

**16. Other Information**

**DECLARATION OF ALLERGENS**

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

INCI Name	CAS No	Contents in %
-----------	--------	---------------



**Material Safety Data Sheet**  
According to EU Regulation 1907/2006 in the current version

Date 11.08.2015  
Version 3.0

**TEA TREE ESSENTIAL OIL, ORGANIC**

AMYL CINNAMAL	122-40-7	0
BENZYL ALCOHOL	100-51-6	0
CINNAMYL ALCOHOL	104-51-6	0
CITRAL	5392-40-5	0
EUGENOL	97-53-0	0
HYDROXYCITRONELLAL	107-75-5	0
ISO EUGENOL	97-54-1	0
AMYL CINNAMYL ALCOHOL	101-85-9	0
BENZYL SALICYLATE	118-58-1	0
CINNAMAL (Cinnamic Aldehyde)	104-55-2	0
COUMARIN	91-64-5	0
GERANIOL	106-24-1	0
CYCLOHEXENE	31906-04-4	0
ANISYL ALCOHOL (Anise alcohol)	105-13-5	0
BENZYL CINNAMATE	103-41-3	0
FARNESOL	4602-84-0	0
2-(TERT-BUTYL PROPIONALDE) (Lilial)	80-54-6	0
LINALOOL	78-70-6	<= 1
BENZYL BENZOATE	120-51-4	0
CITRONELLOL	106-22-9	0
HEXYL CINNAMIC ALDEHYDE (Hexyl Cinnamal)	101-86-0	0
d-LIMONENE	5989-27-5	<= 4
METHYL HEPTINE CARBONATE	111-12-6	0
3-METHYL-4-(2,6,6 TRIMETHYL-2-CYCLOHEXINE-1-YL)-3-BUTEN-2-ONE	127-51-5	0
OAK MOSS EXTRACT (Evernia Prunastri)	90028-68-5	0
TREE MOSS EXTRACT (Evernia Furfuracea)	90028-67-4	0

**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.