



BioProGreen

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The safety data sheet for tea tree oil *Melaleuca alternifolia*

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

- **Product identification** :100% pure and natural essential oil
- **Trade name** :TEA TREE ESSENTIAL OIL
- **Use** :industrial, reserved for professional use
- **Company identification**: BioPro Green- No. 105 Lot al Massar, route de safi, 40100 Marrakesh – Kingdom of Morocco
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•In case of emergency, call the anti-poison and pharmacovigilance center 0537686464, 0801000180

•**Product information:**

Product Name: TEA TREE ESSENTIAL OIL

Botanical name : *Melaleuca alternifolia*

Method of obtaining:steam distillation of *Melaleuca alternifolia*

• **Administrative situation**

INCI name	EC number	CAS No.
	272-678-9	85088-01-9

2 - IDENTIFICATION OF RISKS

Classification according to Regulation (EC) No. 1272/2008 [CLP]

- Aspiration hazard, Category 1 H304
- Dangerous for the aquatic environment — Acute danger, Category 1 H400
- Dangerous for the aquatic environment – chronic hazard, Category 2 H411

Label elements

Hazard pictograms (CLP):

GHS08 GHS09



Signal word (CLP): Danger

Hazard statements:

- H304 - May be fatal if swallowed and enters airways
- H400 - Very toxic to aquatic organisms
- H411 – Toxic to aquatic organisms, causes long-term adverse effects

Precautionary advice:

- P273 – Avoid release into the environment
- P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, Doctor
- P331 - DO NOT induce vomiting
- P501 - Dispose of contents/container in containers/containers provided for this purpose according to current regulations

3 – COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance :

- **Name:** Tea tree essential oil
- **CAS number:** 8 5 0 8 8 - 0 1 - 9
- **EC number:** 2 7 2 - 6 7 8 - 9

3.2 Blend

Not applicable

4- FIRST AID

Description of first aid

General first aid: Never administer anything by mouth to an unconscious person. If you feel unwell, consult a doctor (if possible show him the label).

First aid after inhalation: Breathe fresh air. Put the victim to rest.

First aid after skin contact: Wash with plenty of soap and water. Wash contaminated clothing before reuse. In case of skin irritation: Consult a doctor. Specific treatment (see ... on this label). In case of irritation or rash

First aid after eye contact: Rinse carefully with water for several minutes. Remove contact lenses if the victim wears them and they can be easily removed. Continue rinsing.

If eye irritation persists, consult a doctor.

First aid after ingestion: Rinse mouth. DO NOT induce vomiting. Seek emergency medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after ingestion: May be fatal if swallowed and enters airways

Indication of any immediate medical attention and special treatment needed

No additional information available

5- FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Mousse. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing agents: Do not use a strong stream of water.

Special hazards arising from the substance or mixture

No additional information available.

Advice for firefighters

Firefighting instructions: Cool exposed containers by spraying or misting water. Use caution when fighting any chemical fire. Prevent firefighting wastewater from contaminating the environment.

Protection in case of fire: Do not enter fire area without protective equipment, including respiratory protection

6- MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL RELEASE

Personal precautions, protective equipment and emergency procedures

- **For non-rescuers**

Emergency procedures : Remove unnecessary staff.

- **For first aiders**

Protective gear : Provide adequate protection for cleaning crews.

Emergency procedures : Ventilate the area.

Precautions for environmental protection

Avoid entry into sewers and drinking water. Notify authorities if liquid enters sewers or public waters. Avoid release into the environment.

Methods and material for containment and cleaning up

Cleaning processes: Absorb spilled material as quickly as possible using inert solids such as clay or diatomaceous earth. Collect spilled material. Store away from other materials.

Reference to other sections

See section 8. Exposure controls/personal protection.

7- HANDLING AND STORAGE

Precautions for safe handling

Precautions for safe handling: Wash hands and any other exposed areas with mild soap and water before eating, drinking, smoking, and before leaving work. Ensure good ventilation of the work area to avoid the formation of vapors. No open flames. NO SMOKING. Take precautionary measures against electrostatic discharge. Do not use spark-producing tools. Avoid breathing fumes and vapors.

Conditions for safe storage, including any incompatibilities

Technical measures: comply with current regulations.

Storage conditions: Store only in the original container in a cool, well-ventilated place away from: direct sunlight, heat source. Keep containers closed when not in use. Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct rays of the sun. Heat sources

Storage area: Store in a well-ventilated area. Keep away from any flame or source of sparks. Store away from light. Protect from heat.

Storage temperature: 18 (5 – 25) °C

Specific end use(s)

No additional information available

8- EXPOSURE CONTROL / PERSONAL PROTECTION

Control Settings

No additional information available

Exposure controls

individual protection equipment: Avoid any unnecessary exposure.

Hand protection : Wear safety gloves
Eye protection : Splash goggles or safety glasses
protection : Wear appropriate protective clothing
protection : Wear an appropriate mask
Other information : Do not eat, drink or smoke during use.

9- PHYSICAL AND CHEMICAL PROPERTIES

Information on essential physical and chemical properties

Physical state : Liquid
Appearance : Liquid clear slightly viscous
Color : YELLOWpale colorless
Smell : Characteristic, fresh, herbaceous
Olfactory threshold : None data available
pH : 4.5 - 6.5
Relative evaporation rate: None data available (Butyl acetate=1)
Fusion point : Not applicable
Freezing point : Not applicable
Boiling point : > 100°C
Flash point : 60°C
Auto-ignition temperature: None data available
temperature: Decomposition
None data available
Flammability (solid, gas) : not non-flammable
Vapor pressure : > 1 (air = 1)
< 1 mmHg at 20°C
Relative vapor density at 20°C: 0.885 - 0.906 g/cm³ at 20 °C
Relative density : 0.927 - 0.94
Solubility : Slightly soluble in water, miscible in organic solvents.
Log Pow : 2.7 - 3.4
Kinematic viscosity : 4 - 6 mm²/s at 20 °C
Viscosity, dynamic : 4.5 - 6.5 mPa.s at 20 °C
Explosive properties : Non-explosive
Oxidizing properties : Non-oxidizing
Explosive limits : Not applicable

Other information

Refractive index : 1.475 - 1.482

10- STABILITY AND REACTIVITY

- **Reactivity** :No additional information available
- **Chemical stability**: Not established.
- **Possibility of hazardous reactions**:Not established.

- **Conditions to avoid:** Direct rays of the sun. Extremely high or extremely low temperatures.
- **Incompatible materials:** Strong acids. Strong foundations.
- **Hazardous decomposition products:** smoke. Carbon monoxide. Carbon dioxide.

11- TOXICOLOGICAL INFORMATION

- **Acute toxicity :** unclassified

Melaleuca alternifolia(8 5 0 8 8 - 0 1 - 9)	
oral LD50 rat	> 5000 mg/kg
DE 50 rabbit skin	> 5000 mg/kg

Skin corrosion/irritation : Unclassified

Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Unclassified

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization : Unclassified

Based on available data, the classification criteria are not met.

Germ cell mutagenicity : Unclassified

Based on available data, the classification criteria are not met.

Carcinogenicity : Unclassified

Based on available data, the classification criteria are not met.

Reproductive toxicity : Unclassified

Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure): Not classified

Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Not classified

Based on available data, the classification criteria are not met. Aspiration hazard :

May be fatal if swallowed and enters airways. Potential adverse effects on human health and possible symptoms:

Based on available data, the classification criteria are not met.

12- ECOLOGICAL INFORMATION

- **Toxicity**

Ecology - water: Very toxic to aquatic organisms. Toxic to aquatic organisms, causes long-term adverse effects.

Melaleuca alternifolia(8 5 0 8 8 - 0 1 - 9)	
CE50 Daphnia	1 0.044 mg/l - 48h

- **Persistence and degradability**

Melaleuca alternifolia (8 5 0 8 8 - 0 1 - 9)	
Persistence and degradability	May cause long-term adverse effects on the environment.

- **Bioaccumulation potential**

Melaleuca alternifolia(8 5 0 8 8 - 0 1 - 9)	
Bioaccumulation potential	Not established

- **Mobility in the ground:**No additional information available
- **Results of PBT and VPVB assessments:**No additional information available
- **Other adverse effects:**Avoid release into the environment

13- DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendations for waste disposal: Dispose of in accordance with applicable local/national safety regulations. Dispose of the contents/container in containers/containers provided for this purpose according to current regulations

Ecology - waste:Avoid release into the environment. Hazardous waste due to its toxicity.

14- TRANSPORT INFORMATION

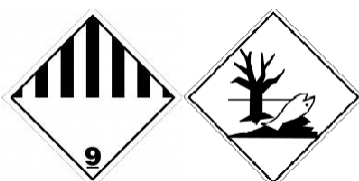
In accordance with the requirements of ADR / RID / IMDG / IATA / ADN

- **UN number:**2749
- **UN proper shipping name**

Proper shipping name (ADR): ENVIRONMENTALLY DANGEROUS SUBSTANCE, LIQUID, NOS

Transport document description (ADR): UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS, 9, III (E)

Transport hazard class(es)Transport hazard class(es) (ADR): 9 Danger labels (ADR): 9



- **Packing group**

Packing group (ADR) : III

- **Environmental hazards Dangerous**

for the environment:

Yes

Other information : Not additional information available

- **Special precautions for user Transport by land:**

Classification code (ADR): M6

Special provisions (ADR): 274, 335, 601

Limited quantities (ADR): 5I

Excepted quantities (ADR): E1

Vehicle for tank transport: A.T.

Transport category (ADR) : 3

Hazard No. (Kemler code) : 90

Orange panels



Tunnel Restriction Code (ADR): E

- **Transport in bulk in accordance with Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

15 – REGULATORY INFORMATION

Safety, health and safety regulations/legislation specific to the substance or mixture environment

- **EU regulations**

No restrictions according to Annex XVII of (REACH)

Melaleuca alternifolia BIO is not on the REACH Candidate list Does not contain any substance on the REACH candidate list

Melaleuca alternifolia BIO is not listed in Annex XIV of REACH Does not contain any substances listed in Annex XIV of REACH

- **Chemical Safety Assessment**

No chemical safety assessment has been carried out

16 - VARIOUS INFORMATION

- **Data sources:** REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907 /2006.
- **Other information:**None).
- **Full text of H and EUH phrases:**

Aquatic acute 1	Dangerous for the aquatic environment — Acute danger, Category 1
Aquatic Chronic 1	Dangerous for the aquatic environment — Chronic danger, Category 1
Aquatic Chronic 2	Dangerous for the aquatic environment — Chronic danger, Category 2
Asp. Tox. 1	Aspiration Hazard, Category 1
H304	May be fatal if swallowed and enters airways
H400	Very toxic to aquatic organisms
H410	Very toxic to aquatic organisms, causes long-term adverse effects.
H411	Toxic to aquatic organisms, causes long-term adverse effects.

EU SDS (Annex II REACH)

This information is based on our current knowledge and describes the product for health, safety and environmental purposes only. They should therefore not be interpreted as guaranteeing any specific property of the product.