



AUSTRALIA NATURAL PRODUCTS

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**(In Accordance with Regulation (EU) No. 1907/2006
and OSHA (US) 29 CFR 1910.1200 and 49 CFR)
Product: Tea Tree Essential Oil (*Melaleuca alternifolia*)**

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier:

Product name: Tea Tree Essential Oil

Chemical name / Botanical name: *Melaleuca alternifolia* Leaf Oil

CAS: 68647-73-4 (or 85085-48-9)

EC Number: 285-377-1 (or equivalent)

EC REACH Registration number: Exempt / Not subject to registration

Index No / Inventory Num.: -

1.2 Usage:

This product is intended for use in aromatherapy, cosmetics, perfumery, personal care, and pharmaceutical/antiseptic preparations.

Strongly discouraged: Not for direct undiluted skin application on sensitive areas; avoid direct ingestion unless under expert guidance.

1.3 Details of the supplier:

Australia Natural Products

19 First Avenue, Rodd Point, NSW 2046, Australia

Email: info@australianatural.com.au

Tel: +61 452 101 623

1.4 24 Hour Emergency telephone number:

National Poisons Information Centre: 13 11 26 (Australia)

Section 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP):

- Flammable liquids, Hazard Category 3
- Acute toxicity (oral), Hazard Category 4
- Skin corrosion/irritation, Hazard Category 2
- Skin sensitization, Hazard Category 1B
- Serious eye damage/eye irritation, Hazard Category 2
- Aspiration hazard, Hazard Category 1
- Hazardous to the aquatic environment — chronic hazard, Category 2

2.2 Label Elements

EC Number: 285-377-1

Tea Tree Essential Oil

Signal word: Danger

Hazard Statements:

- 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.
- H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements:

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/eye protection/face protection.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331: Do NOT induce vomiting.
- P302+P352: IF ON SKIN: Wash with plenty of water.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P501: Dispose of contents/container in accordance with local regulations.

2.3 Other Hazards:

Vapors may form explosive mixtures with air.

Section 3: Composition/Information on Ingredients

3.1 Substances

Concentration range of the constituent (% weight/weight)	EC Number / Registration Number	CAS Number	Chemical Name
100%	285-377-1	68647-73-4	Melaleuca alternifolia Leaf Oil (Essential oil obtained by steam distillation of the leaves and terminal branchlets of Melaleuca alternifolia)

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Consumption: If swallowed, do NOT induce vomiting. Immediately call a poison center or doctor. Rinse mouth with water.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms persist.

Skin contact: Remove contaminated clothing. Wash thoroughly with soap and water. Get medical attention if skin irritation or rash develops.

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

Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin and serious eye irritation. May cause an allergic skin reaction.

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

Treat symptomatically. Do not induce vomiting if swallowed.

Section 5: Fire Fighting Measures

5.1 Extinguishing media:

Recommended: Foam, dry powder, carbon dioxide (CO₂). Do not use a solid water stream directly on burning liquid as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture:

Flammable liquid and vapor. Vapors are heavier than air and may spread along floors. Combustion generates carbon monoxide, carbon dioxide, and acrid smoke.

5.3 Advice for firefighters:

Wear self-contained breathing apparatus (SCBA) and full protective firefighting gear. Cool closed containers exposed to fire with water spray.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Keep away from ignition sources. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Wear appropriate personal protective equipment. Eliminate all sources of ignition.

6.2 Environmental precautions:

Prevent entry into waterways, sewers, basements, or confined areas. Inform authorities if product enters public waters.

6.3 Methods and material for containment and cleaning up:

Absorb with inert absorbent material (e.g., sand, earth, vermiculite, diatomaceous earth). Scoop up and place in a chemical waste container for proper disposal.

6.4 Reference to other sections: See Sections 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Use only with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wear personal protective equipment. Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities:

Store in tightly closed original container in a cool, dry, and well-ventilated place away from direct sunlight and ignition sources. Keep away from oxidizing agents.

7.3 Specific end use(s): Not available beyond identified uses.

Section 8: Exposure controls/personal protection

8.1 Control parameters

No specific occupational exposure limits established for this specific essential oil. Follow general workplace organic vapor limits.

8.2 Exposure controls

Engineering Controls-Ventilation: Provide local exhaust ventilation or general dilution ventilation to maintain exposure below occupational limits.

Respiratory Protection: Use a properly fitted, air-purifying respirator with organic vapor cartridges if ventilation is insufficient.

Skin Protection: Wear chemical-resistant, impermeable gloves (e.g., nitrile or neoprene) and protective clothing.

Eye/Face protection: Tightly fitting safety goggles or chemical safety face shield.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance: Clear mobile liquid

Color: Colorless to pale yellow or light amber

Odor: Warm, fresh, spicy, camphoraceous, medicinal, and characteristic of tea tree

Boiling Point: > 160 °C

Relative density: 0.885 – 0.906 g/cm³ at 20 °C

Refractive index: 1.475 – 1.482 at 20 °C

Flash Point: 55 °C – 60 °C (closed cup)

Solubility in water: Insoluble in water; soluble in alcohol and oils

Section 10: Stability and reactivity

10.1 Reactivity: Stable under normal storage and handling conditions.

10.2 Chemical stability: Stable under recommended conditions.

10.3 Possibility of hazardous reactions: Vapors may form explosive mixture with air.

10.4 Conditions to avoid: Heat, flames, sparks, and direct sunlight.

10.5 Incompatible materials: Strong oxidizing agents, strong acids, and strong bases.

10.6 Hazardous decomposition products: Carbon monoxide, carbon dioxide, and unburned hydrocarbons.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Harmful if swallowed (Oral LD50 approx. 1900 mg/kg in rats - estimate).

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: May cause an allergic skin reaction (Skin Sensitizer Category 1B).

Germ cell mutagenicity: No data indicating classification available.

Carcinogenicity: Not classified as carcinogenic.

Reproductive toxicity: No data indicating classification available.

STOT-single exposure: No data indicating classification available.

STOT-repeated exposure: No data indicating classification available.

Aspiration toxicity: May be fatal if swallowed and enters airways.

Section 12: Ecological information

12.1 Acute aquatic toxicity: Toxic to aquatic life with long-lasting effects.

12.2 Persistence and degradability: Readily biodegradable.

12.3 Bioconcentration Factor: Low potential for bioaccumulation.

12.4 Mobility in soil: Low mobility in soil, floats on water surface.

12.5 Results of PBT and vPvB assessment: Not determined.

12.6 Other adverse effects: Avoid release into drains, surface water, or soil.

Section 13: Disposal considerations

13.1 Waste treatment methods

Container disposal: Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not puncture or incinerate empty containers unless properly cleaned.

Disposal conditions: Dispose of in accordance with local, state, and national regulations. Do not discharge waste into natural water systems.

Section 14: Transport information

14.1 International Carriage of Dangerous Goods by Road (ADR)

UN Number: UN1169

Proper Shipping Name: EXTRACTS, AROMATIC, LIQUID

Class: 3

Packing Group: III

Environmental Hazards: Yes

14.2 Sea Transport (IMDG)

UN Number: UN1169

Proper Shipping Name: EXTRACTS, AROMATIC, LIQUID

Class: 3

Packing Group: III

Marine Pollutant: Yes

14.3 Air Transport (ICAO/IATA)

UN Number: UN1169

Proper Shipping Name: Extracts, aromatic, liquid

Class: 3

Packing Group: III

Section 15: Regulatory information

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

Prepared in accordance with Regulation (EC) No 1272/2008 (CLP), Regulation (EC) No 1907/2006 (REACH), and OSHA 29 CFR 1910.1200.

15.2 Chemical safety assessment: Not required.

Section 16: Other information

Key literature references and sources for data:

1. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
2. ISO 4730 standard for oil of Melaleuca (tea tree oil) and international essential oil safety databases.

Disclaimer: *Information in this SDS is based on available published sources and is believed to be accurate. No warranty, express or implied, is made and the company assumes no liability resulting from the use of this SDS. Each user of this material needs to evaluate the conditions of use and design appropriate protective measures.*

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End of Safety Data Sheet