



# Bee Beautiful

## Tea Tree Essential Oil Material Safety Data Sheet

**Product Name**

Tea Tree Essential Oil

**Supplier**

Bee Beautiful Ltd  
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**Composition/Ingredients Information**

**Definition:** the oil obtained by steam distillation from the leaves and twigs of *Melaleuca alternifolia*.

**CAS number:** 85085-48-9

**EINECS number:** 285-377-1

**INCI:** *Melaleuca alternifolia*.

**Status:** Natural

**Additives:** None

**IFRA:** Not restricted

**Application:** Aromatherapy, skin care etc.

**Hazard Identification**

Xn, harmful.  
R10 – flammable, possible irritant.

**First Aid Measures**

**Inhalation:** Remove to fresh air and seek medical advice.

**Eye exposure:** Flush immediately with plenty of cold water for at least 15 minutes. Contact physician if symptoms persist.

**Skin exposure:** Wash thoroughly with soap and water. Contact physician if irritation persists.



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## **Tea Tree Essential Oil**

**Ingestion:** Rinse mouth with water and obtain medical attention immediately.

### **Fire-Fighting Measures**

**Extinguishing media:** Water mist, carbon dioxide, foam or dry powder extinguishers only. Keep away from sources of ignition.

**Protective clothing:** Fire fighters should wear protective clothing and approved respirator.

**Hazards:** Avoid inhalation of fumes.

### **Accidental Release Measures**

**Personal precautions:** Avoid inhalation and direct contact with skin and eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

**Spillage:** Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillage should be contained immediately by use of sand or inert powder and disposed of according to local regulations.

**Environmental precautions:** Keep away from drains, surface and ground water, and soil.

### **Handling and Storage**

**Precautions in handling:** Apply good manufacturing practice and industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

**Storage conditions:** Store in tightly closed original container, in a cool, dry and ventilated area away from heat sources and protected from light. Keep air contact to a minimum. Avoid plastic uncoated metal containers.

**Fire protection:** Keep away from ignition sources and naked flames.

### **Exposure Control/Personal Protection**

**Respiratory protection:** Avoid breathing concentrated product vapour.

**Ventilation:** Ensure good ventilation of working area.

**Skin protection:** Avoid skin contact. Use chemically resistant gloves as needed.



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**Eye protection:** Use safety glasses.

### Physical and Chemical Properties

**Odour:** Spicy, earthy.

**Colour:** Colourless to yellow.

**Appearance:** Mobile liquid.

**Specific gravity @ 20 deg. C:** 0.885 -0.906

**Refractive index @ 20 deg. C:** 1.475-1.482

**Optional rotation:** +5 to +15

**Terpinen-4-Oil:** >30

**1,8 Cineole:** 0-15

**Flash point:** 57 deg. C.

**Solubility in 85% Ethanol @ 20o C:** Soluble @ 1+2 maximum.

### Stability/Reactivity

**Reactivity:** It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.

**Decomposition:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

### Toxicological Information

Found to be non toxic, non photo-toxic and non irritating. See RIFM monograph (1988) FCT, 26, 407 speciall issue VII. Ingestion: orl rat LD50: 1.9-2.6 ml/kg ATTIA. However, BEOA CHIP guidance (1997) gives hazard codes as R22 and R38, some evidence of skin irritation about 75% concentration.

### Ecological Information

**Biodegradability:** N/a

**Precautions:** Prevent contamination of soil, ground and surface water.



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### Disposal Consideration

Avoid excessive disposing into drainage systems and into the environment. Seek expert advice. Observe specific local regulations.

### Transport Information

UN 1993: applies

Road (ADR/RID): Class 3 item 31c

Air (IATA): Class 3 packing GP 111

Sea (IMDG): Class 3

### Regulatory Information according to Directive 88/379/EEC

Classification packaging/labelling (directive 1999/45/EC)

**Hazards:** Xn, harmful

R10 flammable. Keep away from sources of ignition.

R22, harmful if swallowed.

R38, irritating to skin.

R65, harmful, may cause lung damage if swallowed.

**Safety Phrases:** S16 keep away from sources of ignition.

S62. If swallowed do not induce vomiting: seek medical help immediately.

### Other Information

Cosmetic Directive 7th Amendment: restrictions may apply. A source of Limonene and Linalool, listed as sensitizers. Check maximum usage for skin care products.

Packaging: glass, lacquer lined steel/tin, aluminium and F/HDPE.

### Allergens

|          | %   |
|----------|-----|
| Limonene | 4.0 |
| Linalool | 0.4 |

Usage in finished leave on products: 0.001%

Usage in finished rinse off products: 0.01%

This information relates only to the specific product designated and may not be valid for such product used in combination with any other materials or processes. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the



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suitability of such information for their own particular use.