

***Ayanda African Oils abbreviated SDS for website (upon request the full SDS can be made available)**

Safety Data Sheet Tea Tree Oil

REACH Registration: 01-2120743651-57-0034

Description: Tea tree oil is an essential oil obtained from Steam distillation of the leaves of the plant, *Melaleuca alternifolia*.

| Physical and Chemical properties | RANGE |
|----------------------------------|----------------------------|
| Odour | Characteristic piney odour |
| Appearance | Mobile liquid |
| Colour | clear to light yellow |
| Specific gravity at 20°C | 0,885 to 0,906 |
| Refractive index at 20°C | 1,475 to 1,482 |
| Optical rotation at 20°C | +7 ° to +12 ° |
| Flash point | 55 °C |

| Main Ingredients: | CAS-No | Percentage |
|-------------------------|----------|---------------|
| Terpinene-4-ol | 562-74-3 | 35 to 48% |
| Gamma Terpinene | 99-85-4 | 14 to 28% |
| Cineol 1,8 (Eucalyptol) | 470-82-6 | traces to 10% |
| Alpha terpinene | 99-86-5 | 6 to 12% |
| Para cymene | 99-87-6 | 0.5 to 8% |

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 Reg No 2017/655786/07
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Ayanda African Oils (Pty)
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Ayanda

AFRICAN OILS

Technical specifications:

NCS, Natural Complex Substance (100% pure and natural)

N° CAS TSCA 68647-73-4
N° CAS EINECS 85085-48-9
N° EINECS 285-377-1
N° FEMA 3902
N° CoE: 275n
AFNOR: NF ISO 4730
INCI Melaleuca alternifolia oil

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Hazards Identification



GHS07



GHS08



GHS09



GHS02

Transport information:

| | Sea (IMDG) | Land (ADR) | Air (IATA) |
|----------------------|------------------|------------------|------------------|
| Proper shipping name | Extracts, Liquid | Extracts, Liquid | Extracts, Liquid |
| Hazardous class | 3 | 3 | 3 |
| UN/ID No | 1197 | 1197 | 1197 |
| Packing group | III | III | III |

Customs rate code

3301 29 49

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Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Handle in accordance with good industrial hygiene and safety practise.

Conditions for safe storage, including any incompatibilities.

Store in cool place, keep container tightly closed in a dry and well-ventilated place. Store away from direct sunlight. Store in stainless steel container, opaque glass container or Fluorinated HDPE container. Air and light sensitive.

Shelf life four years from date of production.

Special indications:

The presence of the following allergen substances in a finished product must be indicated by way of labelling if their respective concentration exceeds 100 ppm in a rinsed product and 10 ppm in a product not rinsed. (7th amendment of Cosmetic Directive European 2003/15/EC)

Present allergens:

| Restricted Component | Cas No: | % Level in Product | IFRA Standard |
|----------------------|-----------|--------------------|--------------------|
| Limonene | 5989-27-5 | <1.5% | Specification Stds |
| Linalool | 78-70-6 | <1% | Specification Stds |
| Alpha-Pinene | 80-56-8 | < 4% | |
| Beta-pinene | 7785-70-8 | < 2% | |
| Alpha-terpinene | 99-86-5 | < 12% | |
| Terpinolene | 586-62-9 | < 5% | |
| Beta – Caryophyllene | 87-44-5 | < 0.1% | |



First Aid measures

Description of First aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye contact: Wash eyes by normal first aid procedures for at least 15 minutes and consult a physician.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Ingestion: Clean mouth with water, call a POISON CENTRE or physician. If swallowed, do not induce vomiting.

Inhalation: Inhalation may cause coughing, tightness of chest and irritation of the respiratory system. Remove person to ventilated area and follow normal first aid procedures. Perform artificial respiration if breathing has stopped.

Notes to physician: Treat symptomatically.

Fire-fighting measures

Extinguishing media

Suitable extinguishing media: Use alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substances or mixtures.

Forms carbon monoxide and/or dioxide upon burning.

Unusual fire and Explosion Hazards

None, material is not pyrophoric, does not react with water, not an oxygen donor, material is shock stable.



Advice for fire-fighters

Cool container exposed to the flame with water fog. Fire fighters should wear positive pressure self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains, water courses or onto the ground.

Methods and materials for containment and cleaning up

Small spills can be wiped up with paper rags (placed in closed metal waste container). Large spill: contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Large spills can also be collected with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and placed in metal container for disposal according to local/National regulations.

Contact: Mathias Wessels

This sheet has been updated on the 17 October 2023.

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