

MATERIAL SAFETY DATA SHEET FOR

Organic Tea Tree Oil

Melaleuca Alternifolia, Product Reference OR018
EINECS CAS 85085-48-9 USA CAS 68647-73-4

1. CHEMICAL COMPOSITION: INCLUDING HAZARDOUS COMPONENTS:

This Essential Oil is steam distilled from the leaves of the *Melaleuca Alternifolia*. The principal constituent is Terpinen-4-ol and Cineole.

The oil is classified as hazardous.

2. HAZARDOUS IDENTIFICATION:

This product is required to be labelled according to the regulation 96/54/EC governing hazardous substances. The hydrocarbon content ranges between 35- 45%.

3. FIRST AID PROCEDURES:

Skin Contact: Rinse with running water. Remove contaminated clothing.
Eye Contact: Rinse with sterile water or an approved eyewash solution for 15 minutes.
Inhalation: Move to fresh air and rest.
Ingestion: If swallowed do not induce vomiting, seek medical advice and show the label or container.

4. FIRE FIGHTING PROCEDURES:

Suitable Extinguishers: Normal extinguishers can be used (CO₂, powders, foams, halogens).
Unsuitable Extinguishers: Direct water jet.
Fire Hazard: Products of combustion – Oxides of Carbon.

5. ACCIDENTAL RELEASE PROCEDURES:

Safety Clothing: Wear clothing suitable for an emergency.
Environmental Precautions: Contain the leak with earth or sand. Prevent from entering drains and sewers; if this cannot be done advise the local authority.
Clean Up Procedure: Absorb spillage onto sand or earth. Transfer to a suitable container for disposal.

6. HANDLING & STORAGE PROCEDURES:

Handling: Avoid spillage and eye contact (gloves and goggles recommended).
Ventilation: Good general ventilation required.
Storage Conditions: Store at ambient temperature in a dark container. Store away from oxidizing substances e.g. Bleach. Store in full containers; Stainless Steel for bulk or glass for small quantities.

7. EXPOSURE CONTROL/PERSONAL PROTECTION:

Respiratory: Use only in well ventilated areas. Use protection in poor ventilation.
Hand Protection: Wear gloves.
Eye Protection: Wear goggles
Skin Protection: Wear suitable protection clothing

8. PHYSICAL & CHEMICAL PROPERTIES:

Appearance: Mobile Liquid.
Odour: Medicated.
Colour: Water White.

Solubility: a. Solvent – Soluble
b. Alcohol – Soluble
c. Water – Insoluble
Boiling Point: Not reported.
Flash Point: 56°C.
Specific Gravity: 20°C 0.885 – 0.906.
Vapour Pressure mm: Not reported.

9. REACTIVITY & STABILITY:

The oil is stable under normal storage conditions. After opening, the oil is prone to air oxidization and may start to deteriorate after twelve months.

Synergistic Reaction: Not reported.
Materials to avoid: Oxidizing agents.
Polymerisation Hazard: None.

10. TOXICOLOGICAL INFORMATION:

Hazardous Effects

Inhalation: Hazardous.
Skin Contact: Concentrated oil can cause skin degreasing with some irritation.
Eye Contact: Irritant.
Ingestion: Hazardous.

11. ECOLOGICAL DATA

This is a degradable product, however, do not release directly into the environment.

12. DISPOSAL METHODS:

Recover the product where possible or bury in authorised landfill sites according to local authority regulations.

13. TRANSPORT REGULATIONS:

Road: Xn – Hazardous. R10 – Flammable.
Rail: Xn – Hazardous. R10 – Flammable.
Air: Xn – Hazardous. R10 – Flammable.
Proper Shipping Name: Extracts, Aromatic, Liquid
IMDG Class: 3
Packing Group III
UN No. 1169

14. REGULATORY INFORMATION:

Labels for Conveyance: Xn R10
Labels for Supply: Xn. R10. R22. R38. R65. S62.

15. FURTHER INFORMATION:

Whilst Absolute Aromas Ltd gives the above advice in good faith, it is not intended to be a substitute for customers own testing to ascertain good safety procedures. These regulations were designed for handling bulk products and to readily identify Toxic & Safety Data. Safety information is under continuous review.