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## 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 (CO<sub>2</sub>, 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 oxidation 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.**