

**01. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY UNDERTAKING****1.1 Product Identifier**

1.1 Product Identifier	Tea Tree Oil				
Biological Definition	Melaleuca Alternifolia Leaf Oil is the oil distilled from the leaves of the Tea Tree, Melaleuca alternifolia, Myrtaceae.				
INCI Name	Melaleuca Alternifolia Leaf Oil				
Synonyms Trade Names	-				
CAS Number	85085-48-9 8022-72-8 68647-73-4	EC Number	285-377-1	EINECS No.	285-377-1

1.2 Relative identified uses of the substance or mixture and uses advised against

No additional data available.

1.3 Details of the supplier of the safety data sheet

Calmer Solutions Limited - Hadresham, Woolborough Lane, Outwood, Surrey, England RH1 5QR - Reg No 4992013

1.4 Emergency Telephone Number

In case of a medical emergency following exposure to a chemical, call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 (UK Only)

02. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

The full text for all hazard statements is displayed in Section 16.

Classification (EC 1272 / 2008)Physical and Chemical Hazards: Flam. Liq. 3 - H226
Human health: Irrit. 2 - H319. Skin Sens. 1 - H317. Asp. Tox. 1 - H304.
Environment: H411.Acute Tox. 4 - H302. Skin Irrit. 2 - H315. Eye
Aquatic Acute 2 - H401. Aquatic Chronic 2 -

GHS02

GHS07

GHS08

GHS09

None



Signal Word

Danger

Contains

Alpha-Pinene, Alpha-Terpinene, Beta-Pinene, G-Terpinene, Limonene, Terpinol-4-ol,

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.
H401 Toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P262 Do not get in eyes, on skin, or on clothing.
P301 IF SWALLOWED:
P310 Immediately call a POISON CENTER or doctor/physician.
P305 IF IN EYES:
P351 Rinse cautiously with water for several minutes.
P338 Remove contact lenses, if present and easy to do. Continue rinsing.
P331 Do NOT induce vomiting.
P391 Collect spillage.

Supplementary Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash... thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P301 IF SWALLOWED:
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P302 IF ON SKIN:
P352 Wash with plenty of soap and water.
P303 IF ON SKIN (or hair):
P361 Remove/Take off immediately all contaminated clothing.
P353 Rinse skin with water/shower.
P313 Get medical advice/attention.
P321 Specific treatment (see... on this label).
P330 Rinse mouth.
P332 If skin irritation occurs:
P313 Get medical advice/attention.
P333 If skin irritation or rash occurs:
P337 If eye irritation persists:
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P370 In case of fire:
P378 Use... for extinction.
P403 Store in a well-ventilated place.
P235 Keep cool.
P405 Store locked up.
P501 Dispose of contents/container to...

2.3 Other Hazards

PBT or PvB according to Annex XIII	No Additional Data Available.
Adverse physio-chemical properties	No Additional Data Available.
Adverse effects on human health	No Additional Data Available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

1 - 5 % Alpha Pinene	CAS No: 80-56-8	EC No: 201-291-9
Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Sens. 1 - H317, Aquatic Acute 1 - Aquatic Chronic 1 - H410		
1 - 5 % Alpha-Terpineol	CAS No: 98-55-5	EC No: 202-680-6
Classification (EC 1272/2008): Aquatic Acute 2 - H401, Eye Irrit. 1 - H319, Skin Irrit 2 - HH315, Acute Tox. 5 - H303, Flam. Liq. 4 - H227		
1 - 5 % Beta-Pinene	CAS No: 127-91-3	EC No: 20-872-5
Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317		
10 - 30 % γ-Terpinene (p-mentha-1,4diene)	CAS No: 99-85-4	EC No: 202-794-6
Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304		
10 - 30 % Alpha-Terpinene	CAS No: 99-86-5	EC No: 202-795-1
Classification (EC 1272/2008): Asp. Toxic 1 - H304, Acute Tox. 4 - H302, Aquatic Chronic 2 - H411, Flam. Liq. 3 - H226		
1 - 5 % d-limonene	CAS No: 5989-27-5	EC No: 227-813-5
Classification (EC 1272/2008): Flam. Liq. 3 - H226, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410, Skin Irrit. 1 - H410, Skin Sens. 1 - H317		
5 - 10 % p-Cymene	CAS No: 99-87-6	EC No: 202-796-7
Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Acute Tox. 5 - H303, Aquatic Chronic 2 - H411, Skin Irrit 3 - H316		
30 - 60 % 4-Terpineol	CAS No: 562-74-3	EC No: 209-235-5
Classification (EC 1272/2008): Acute Tox. 4 - H302, Skin Irrit. 2 - H315		
1 - 5 % Terpinolene	CAS No: 586-62-9	EC No: 209-578-0
Classification (EC 1272/2008): FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H304-H317 - H410		

04. FIRST AID MEASURES

4.1 Description of first aid measures

41 Inhalation:	Move the exposed person to fresh air. Seek medical attention if any discomfort continues.
41 Ingestion:	Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.
41 Eye:	Remove victim immediately from source of exposure. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.
41 Skin:	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

No additional data available.

4.3 Indication of any immediate medical attention and special treatment needed

No additional data available.

05. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Carbon dioxide, Chemical Powder or Foam. Do not use a direct stream of water.

5.2 Special hazards arising from the product

In case of fire Carbon Monoxide and other unidentified organic compounds may be released.

5.3 Advice for firefighters

In case of insufficient ventilation use suitable respiratory equipment. Wear chemical protective clothing.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground. In case of large spills or if the product contaminates rivers, or sewers, inform the responsible authorities according to local and national legislation.

6.3 Methods and material for containment and clearing up

Absorb with inert, non-combustible, inorganic absorbent material, sweep up and remove to an approved disposal container. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. The contaminated area should be immediately cleaned with an appropriate de-contaminator. Pour the de-contaminator on the remains in an opened container and let it act for a few days until no further reaction is produced.

6.4 Reference to other sections

See sections 7, 8, 13.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid spilling, skin and eye contact.

7.2 Conditions for safe storage, including and incompatibilities

Keep away from heat, sparks and open flame. Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

p-Cymene (CAS: 99-87-6) Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Protective Equipment

Goggles

Gloves

Respirator

None

None



Process Conditions:

Provide eyewash station.

Engineering Measures:

Provide adequate ventilation.

Respiratory Equipment:

Avoid inhalation of vapour.

Hand Protection:

Avoid skin contact. Wear protective gloves.

Eye Protection:

Wear protective goggles to prevent eye contact.

Other Protection:

Slip proof shoes may be worn in event of spillages.

Hygiene Measures:

Good personal hygiene practices are always advisable, especially when working with chemicals / oils.

Personal Protection:

Avoid inhalation of vapour and contact with skin and eyes.

Skin Protection

Wear overalls or laboratory coat to protect from skin contact.

Environmental

Exposure Controls:

Avoid discharging into drainage water.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Mobile liquid, colourless to pale yellow.

Colour: Colourless to pale yellow.

Flash Point: 57

Odour: Characteristic – powerful, warm, spicy.

Relative Density: 0.885 - 0.906 @ 20°C

Refractive: 1.470 - 1.482 @ 20°C

Melting Point: No additional data available.

Boiling: 97.0 – 220.0

Vapour: 2100 Pa

Solubility: Insoluble.

Auto Ignition: 252

9.2 Other Information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No additional data available.

10.2 Chemical Stability

This substance is stable under the recommended handling and storage.

10.3 Possible hazardous reactions

No additional data available.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Strong acids, alkali or oxidising agents.

10.6 Hazardous Decomposition Products

Toxic gases/vapours/fumes of: Carbon monoxide (CO). Nitrogen.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity:	Toxic Dose 1 - LD 50 2 - LD 50	1.9 (1.4 - 2.7) mg/kg (oral rat) 1.9 - 2.6 g/kg 13 mg/kg (oral rat)
Respiratory or skin sensitisation:	Potential irritant.	
Skin corrosion/irritation:	May be harmful if absorbed through the skin. May be harmful if swallowed.	
Serious Eye damage/irritation:	May cause eye irritation.	
Germ Cell Mutagenicity:	No additional data available.	
Carcinogenicity:	No additional data available.	
Reproductive toxicity:	No additional data available.	
STOT Single exposure:	No additional data available.	
STOT Repeated exposure:	No additional data available.	
Photo-toxicity:	No additional data available.	
Aspiration hazard:	No additional data available.	
Other Information:	No additional data available.	



12. ECOLOGICAL INFORMATION

12.1 Toxicity
Not acutely toxic to fish (LC50>100mg/l OECD 203).
12.2 Persistence Degradability
The product is not readily biodegradable.
12.3 Bioaccumulation Potential
Partition coefficient 3.4 - 5.5
12.4 Mobility in soil
Mobility: Log10Koc = 2.3-5.0
12.5 Results of PBT and vPvB Assessment
No additional data available.
12.6 Other adverse effects
Do not allow product to enter streams, sewers or other waterways.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

14.1 UN number			
Road:	UN 1169		
Sea:	UN 1169		
Air:	UN 1169		
14.2 UN Prpoer shipping name			
	UN1169	EXTRAC	
14.3 Transport hazard class(es)			
ADR/RID/ADN Class:	3: Flammable Liquid	IMDG Class:	3ICAO Class/Division: 3Transport Labels
Cl. 3_140_s	UN1169	EXTRAC	UN1169 EXTRAC
			
14.4 Packing group			
ADR/RID/ADN Packing group	III	IMDG Packing group	III
14.5 Environmental Hazards			
Environmentally Hazardous Substance/Marine Pollutant			
Umwelt_140	UN1169	EXTRAC	UN1169 EXTRAC
			
14.6 Special precautions for users			
EMS:	F-E, S-DEmergency Action Code:	3YEHazard No (ADR):	30 Flammable liquid (flash-point between 23°C

and 60°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 60°C, heated to a temperature equal to or above its flash-point, or self heating liquid. Tunnel Restriction Code: (D/E)

14.7 Transport in bulk according to Annex II of MARLPOL73/78 and the IBC Code

No additional data available.

15. REGULATORY INFORMATION

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

Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108). EU Legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard or precaution	H319 Causes serious eye irritation. H315 Causes skin irritation. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H402 Harmful to aquatic life. H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. H401 Toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H400 Very toxic to aquatic life.
Other Information:::	No additional data available
Revision Date:	4/1/2022
Reason:	New SDS
Revision Number:	2

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