



**AMPHORA AROMATICS
LIMITED**

essential oils, skincare & aromatherapy products

SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: **Tea Tree Organic Essential Oil**

SUPPLIER: Amphora Aromatics Limited, Airfield House, Western Drive, Bristol, BS14 0AF

TELEPHONE: +44 (0)117-9087770.

PRODUCT NUMBER: **273**

CAS NUMBER: 68647-73-4

EC NUMBER: 285-377-1

INCI: *Melaleuca alternifolia* Leaf Oil

BIOLOGICAL DEFINITION: *Melaleuca alternifolia* leaf oil is the oil distilled from the leaves of the tea tree, *melaleuca alternifolia*, *myrtaceae*.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION (EC 1272/2008):

- PHYSICAL HAZARDS: Flam. Liq. 3 - H226
- HEALTH HAZARDS: Acute Tox. 4 - H302.
Skin Irrit. 2 - H315.
Eye Irrit. 2 - H319.
Skin Sens. 1 - H317.
Asp. Tox. 1 - H304.
- ENVIRONMENTAL HAZARDS: Aquatic Acute 2 - H401.
Aquatic Chronic 2 - H411.

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

HAZARD STATEMENTS:

DANGER

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.



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PRECAUTIONARY STATEMENTS:	<p>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+310 If Swallowed: Immediately Call A Poison Centre or Doctor/Physician. P305+351+338 If in Eyes: Rinse Cautiously with Water for Several Minutes. Remove Contact Lenses, If Present and Easy to Do. Continue Rinsing. P331 Do Not Induce Vomiting. P391 Collect Spillage.</p>
SUPPLEMENTARY PRECAUTIONARY STATEMENTS:	<p>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+312 If Swallowed: Call A Poison Centre or Doctor/Physician If You Feel Unwell. P302+352 If on Skin: Wash with Plenty of Soap and Water. P303+361+353 If on Skin (Or Hair): Remove/Take Off Immediately All Contaminated Clothing. Rinse Skin with Water/Shower. P313 Get Medical Advice/Attention. P321 Specific Treatment (See ... On This Label). P330 Rinse Mouth. P332+313 If Skin Irritation Occurs: Get Medical Advice/Attention. P333+313 If Skin Irritation or Rash Occurs: Get Medical Advice/Attention. P337 If Eye Irritation Persists: P362 Take Off Contaminated Clothing and Wash Before Reuse. P363 Wash Contaminated Clothing Before Reuse. P370+378 In Case of Fire: Use ... For Extinction. P403+235 Store in A Well-Ventilated Place. Keep Cool. P405 Store Locked Up. P501 Dispose of Contents/Container in Accordance with Local and National Regulations</p>
CONTAINS:	<p>Alpha Pinene Natural, A-Terpinene, Beta Pinene, G-Terpinene, Limonene, Terpinen-4-Ol</p>



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3: COMPOSITION/INFORMATION ON INGREDIENTS

30.0 – 60.0% Terpin-4-Ol

CAS NUMBER: 562-74-3

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 209-235-5

Acute Tox. 4 - H302

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

Aquatic Acute 3 - H402

10.0 – 30.0% A- Terpinene

CAS NUMBER: 99-86-5

CLASSIFICATION (EC1272/2008):

EC NUMBER: 202-795-1

Flam. Liq. 3 - H226

Acute Tox. 4 - H302

Asp. Tox. 1 - H304

Aquatic Chronic 2 - H411

10.0 – 30.0% Γ- Terpinene

CAS NUMBER: 99-85-4

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 202-794-6

Flam. Liq. 3 - H226

Asp. Tox. 1 - H304

5.0 – 10.0% P-Cymene

CAS NUMBER: 99-87-6

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 202-796-7

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Asp. Tox. 1 - H304

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

1.0 – 5.0% Alpha-Pinene

CAS NUMBER: 80-56-8

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 201-291-9

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Asp. Tox. 1 - H304

1.0 – 5.0% Beta-Pinene

CAS NUMBER: 127-91-3

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 204-872-5

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Asp. Tox. 1 - H304

1.0 – 5.0% D-Limonene

CAS NUMBER: 5989-27-5

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 227-813-5

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Asp. Tox. 1 - H304

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410



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1.0 – 5.0% A-Terpineol (P-Meth-1-En-8-Ol)

CAS NUMBER: 98-55-5

EC NUMBER: 202-680-6

CLASSIFICATION (EC 1272/2008):

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

1.0 – 5.0% Terpinolene

CAS NUMBER: 586-62-9

EC NUMBER: 209-57-0

CLASSIFICATION (EC 1272/2008):

Flam. Liq. 3 - H226

Asp. Tox. 1 - H304

Aquatic Chronic 2 - H411

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

4: FIRST AID MEASURES

INHALATION:	Get medical attention immediately. Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
INGESTION:	Get medical attention immediately. Rinse mouth with water and obtain medical attention.
SKIN CONTACT:	Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.
EYE CONTACT:	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
GENERAL INFORMATION:	Always remove contaminated clothing immediately.

MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED):

- INHALATION:	May cause coughing and difficulties in breathing.
- INGESTION:	Irritating to the respiratory tract and may cause damage to the central nervous system.
- SKIN CONTACT:	Toxic in contact with skin.
- EYE CONTACT	May cause eye irritation.

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:	Foam, CO ₂ , Dry Chemical Powder.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:	Burning produces irritating, toxic and obnoxious fumes.
ADVICE FOR FIREFIGHTERS:	Wear positive pressure self-contained breathing apparatus (scuba) and appropriate protective clothing.

6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing.
ENVIRONMENT PRECAUTIONS:	Do not discharge into drains, water courses or onto the ground. Dispose of in line with local authority guidelines.
CLEANING UP METHODS FOR SPILLAGES:	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.



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7: HANDLING AND STORAGE

USAGE PRECAUTIONS:	Handle in accordance with good hygiene and safety practice. Keep away from heat, sparks, open flames and hot surfaces. - no smoking. Use personal protective equipment as required.
OCCUPATIONAL HYGIENE:	Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.
STORAGE PRECAUTIONS:	Keep container tightly sealed. Keep in a dry and ventilated area. Keep away from potential sources of ignition and protected from light. Maintain limited contact with oxygen.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



APPROPRIATE ENGINEERING CONTROLS:	Ensure work area is well ventilated. Provide Safety shower and eye bath.
EYE/FACE PROTECTION:	Wear eye/face protection.
HAND PROTECTION:	Wear protective gloves.
OTHER SKIN AND BODY PROTECTION:	Wear protective clothing to reduce the risk of skin and eye contact.
HYGIENE MEASURES:	Good personal hygiene practises are always advisable, especially when working with chemicals including oils.
RESPIRATORY PROTECTION:	Under normal conditions of use and where adequate ventilation is available to prevent build-up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: A) Increase ventilation of the area with local exhaust ventilation. B) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. C) Use closed systems for transferring and processing this material also refer to sections 2 and 7.
ENVIRONMENTAL EXPOSURE CONTROLS:	Avoid discharging into drainage water.
PERSONAL PROTECTION:	Avoid inhalation of the product. Avoid contact with skin and eyes.

9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid.
COLOUR:	Colourless to Pale Yellow.
ODOUR:	Characteristic – Powerful, warm, spicy.
FLASH POINT °C:	57°C
SPECIFIC GRAVITY @ 20°C:	0.885 – 0.906
REFRACTIVE INDEX @ 20°C:	1.473 – 1.482
SOLUBILITY IN WATER @ 20°C	Insoluble in water.



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10: STABILITY AND REACTIVITY

REACTIVITY:	Presents no significant reactivity hazards, by itself or in contact with water. Stable under normal temperature and storage conditions and recommended use.
CHEMICAL STABILITY:	Stable under suggested storage conditions (<15°C).
POSSIBILITY OF HAZARDOUS REACTIONS:	No.
CONDITIONS TO AVOID:	Storage at high temperatures. Do not store above 15°C.
INCOMPATIBLE MATERIALS:	Avoid concentrated acids, alkalis & oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes, smoke and carbon monoxide.

11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	
- TOXIC DOSE 1 – LD50:	1.9 (1.4 – 2.7) mg/kg (oral rat).
- TOXIC DOSE 2 – LD50:	1.9 – 2.6 g/kg 13 mg/kg (oral rat)
Skin Irritation:	May be harmful if absorbed through the skin. May be harmful if swallowed.
Eye Damage or Irritation:	May cause eye irritation.
Respiration or Skin Sensitivity:	Potential irritant if inhaled.
Germ Cell Mutagenicity:	No data.
Carcinogenicity:	No data.
Reproductive Toxicity:	No data.
STOT – Single Exposure:	No data.
STOT – Repeated Exposure:	No data.
Aspiration Hazard:	No data.
Other Information:	No data.

12: ECOLOGICAL INFORMATION

TOXICITY:	Not acutely toxic to fish (LC50>100mg/l OECD 203)
PERSISTENCE AND DEGRADABILITY:	This product is not readily biodegradable.
BIOACCUMULATIVE POTENTIAL:	Partition coefficient 3.4 – 5.5
MOBILITY IN SOIL:	Log10Koc = 2.3 – 5.0
RESULTS OF PBT AND vPvB ASSESSMENT:	This substance does not meet the PBT/vPvP criteria of REACH, Annex XIII
PRECAUTIONS:	Do not allow product to enter streams, sewers or other waterways.

13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Always recover spilled product. Discard waste material with authorised waste management services. Act in accordance with local & national waste regulations.
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14: TRANSPORT INFORMATION

UN No. (ROAD/SEA/AIR): UN1169
PROPER SHIPPING NAME: Extracts, Aromatic, Liquid. (Tea Tree)

TRANSPORT HAZARD CLASS(ES):

- ADR/RID/ADN CLASS: 3 Flammable Liquid.
- IMDG CLASS: 3 Flammable Liquid.
- ICAO CLASS: 3 Flammable Liquid.



PACKING GROUP:

- ADR/RID/ADN PACKING GROUP: III
- IMDG PACKING GROUP: III
- ICAO PACKING GROUP: III

ENVIRONMENTAL HAZARDS: Environmentally hazardous/
marine pollutant.



SPECIAL PRECAUTIONS FOR USER:

- EMS: F-E, S-D
- EMERGENCY ACTION CODE: 3YE
- HAZARD NO (ADR): 30 *Flammable liquid (flashpoint between 23°C and 60°C, inclusive) or flammable liquid or solid in the molten state with a flashpoint above 60°C, heated to a temperature equal to or above its flashpoint, or self-heating liquid.*
- TUNNEL RESTRICTION CODE: (D/E)

TRANSPORT IN BULK ACCORDING TO ANNEX II
OF MARPOL73/78 AND THE IBC CODE: Not applicable.

15: REGULATORY INFORMATION

STATUTORY INSTRUMENTS: The Chemicals (Hazard Information & Packaging for Supply)
Regulations 2009 (S.I.2009 NO 716).

EU LEGISLATION: Regulation (EC) No 1907/2006 of the European Parliament and of
the council of 18th December 2006. Concerning the registration,
evaluation, authorization & restriction of chemicals (reach),
establishing a European Chemicals Agency, amending directive
1999/45/EC and repealing council regulation (EEC) No793/93 &
commission regulation (EC) No1488/94 as well as council directive
76/769/EEC & commission directive 91/155/ECC, 93/67/ECC,
93/105/EEC & 2000/21/EC (including amendments).

GUIDANCE: Workplace Exposure Limits EH40. Chip for Everyone HSG 108.



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16: OTHER INFORMATION

HAZARD STATEMENTS IN FULL:

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.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.
Retest after 6 months.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.