



## MSDS - Tea Tree

Compilation Date: 10/04/18

### Section 1: Identification of the substance/mixture and of the company/undertaking

Product name: **Tea Tree Oil**

CAS: 68647-73-4

EINECS: 285-377-1

INCI NAME: Melaleuca alternifolia leaf

#### 1.2. Details of the supplier of the MSDS

Company name: Amour Natural

Unit 6 Adlam's Central Park, Wirral Park Road, Glastonbury BA6 9XE

Tel: 01458 898030

Email: info@amournatural.co.uk

#### 1.3 Emergency telephone number

01458 898030

### Section 2: Hazards Identification

2.1 Classification under CLP: FLAM. LIQ. 3 - H226 ;ACUTE TOX. 4 - H302. SKIN IRRIT. 2 - H315. EYE IRRIT. 2 - H319. SKIN SENS. 1 -H317. ASP. TOX. 1 - H304. AQUATIC ACUTE 2 - H401. AQUATIC CHRONIC 2 - H411.

#### 2.2. Label elements

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.

Hazard Pictograms:

GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard

GHS09: Environmental



Signal words: Danger

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+310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER 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.

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 CENTER 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 TO ...

This product is not identified as a PBT/vPvB substance.

### **Section 3: Composition/information on ingredients**

ALPHA PINENE

EINECS: 201-291-9

CAS: 80-56-8

CLP CLASSIFICATION: FLAM. LIQ. 3 - H226, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317,  
ASP. TOX. 1 - H304  
PERCENT: 1-5%

A-TERPINEOL

EINECS: 202-680-6

CAS: 98-55-5

CLP CLASSIFICATION: SKIN IRRIT.2-H315, EYE IRRIT.2-H319

PERCENT: 1-5%

BETA-PINENE

EINECS: 204-872-5

CAS: 127-91-3

CLP CLASSIFICATION: FLAM.LIQ.3-H226, SKINIRRIT.2-H315, SKINSENS.1-  
H317,ASP.TOX.1- H304

PERCENT: 1-5%

Γ-TERPINENE

EINECS: 202-794-6

CAS: 99-85-4

CLP CLASSIFICATION: FLAM.LIQ.3-H226, ASP.TOX.1-H304

PERCENT: 10-30%

A-TERPINENE

EINECS: 202-795-1

CAS: 99-86-5

CLP CLASSIFICATION: FLAM.LIQ.3-H226, ACUTETOX.4-H302, ASP.TOX.1-  
H304,AQUATIC CHRONIC 2 - H411

PERCENT: 10-30%

D-LIMONENE

EINECS: 227-813-5

CAS: 5989-27-5

CLP CLASSIFICATION: FLAM.LIQ.3-H226, SKINIRRIT.2-H315, SKINSENS.1-  
H317,ASP.TOX.1- H304, AQUATICACUTE1-H400, AQUATICCHRONIC1-H410

PERCENT: 1-5%

P-CYMENE

EINECS: 202-796-7

CAS: 99-87-6

CLP CLASSIFICATION: FLAM.LIQ.3-H226, SKINIRRIT.2-H315, SKINSENS.1-  
H317,ASP.TOX.1- H304, AQUATICACUTE1-H400, AQUATICCHRONIC1-H410

PERCENT: 5-10%

TERPIN-4-OL

EINECS: 209-796-7

CAS: 562-74-3

CLP CLASSIFICATION: ACUTETOX.4-H302, SKINIRRIT.2-H315, EYEIRRIT.2  
H319,AQUATIC ACUTE 3-H402  
PERCENT: 30-60%

TERPINOLENE

EINECS: 209-57-0

CAS: 586-62-9

CLP CLASSIFICATION: FLAM.LIQ.3-H226, ASP.TOX.1-H304, AQUATICCHRONIC2-H411

PERCENT: 1-5%

#### **Section 4: First Aid Measures**

Inhalation: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

Eye contact: Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.

Skin contact: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

Ingestion: Rinse mouth out with water. Seek medical advice **immediately**.

4.2 Most important symptoms and effects, both acute and delayed: May cause coughing and breathing difficulties. Irritating to respiratory tract and may cause damage to central nervous system. Toxic in contact with skin and can cause eye irritation.

#### **Section 5: Fire Fighting Measures**

5.1 Extinguishing media: Use CO<sub>2</sub>, Dry Powder or Foam

5.2 Exposure hazards: In combustion emits irritating, toxic and obnoxious fumes.

5.3 Advice for fire fighters: wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### **Section 6: Accidental Release Measures**

Ensure adequate ventilation of working area, no smoking.

Personal precautions: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

Environment precautions: Keep away from drains, soils, surface & groundwaters.

Cleaning up methods: Remove all potential ignition sources. Contain spilled material with sand or inert powder. Dispose of according to local disposal regulations.

#### **Section 7: Handling and Storage**

7.1 Precautions in handling: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Keep away from heat, sparks, open flame and hot surfaces. Use PPE.

7.2 Storage conditions: keep container tightly sealed. Store in a cool, dry well-ventilated place away from heat.

### **Section 8: Exposure Controls/ Personal Protection**

Ensure proper ventilation

Eye protection: Use approved goggles, have eye bath on site.

Skin protection: Wear gloves and protective clothing. Avoid contact and wash hands regularly and before eating

Respiratory protection: Do not inhale, wear a mask.

Work/Hygiene practices: Wash hands with soap & water after handling.

Do not discharge into drainage water

### **Section 9: Physical and Chemical Properties**

Colour: Colourless to pale yellow

Appearance/ state: Liquid

Odour: Powerful, warm, spicy

Relative density @20°C: 0.885-0.906

Flash point °C: 57

Refractive index @20°C: 1.473-1.482

Solubility in water: insoluble

### **Section 10: Stability and Reactivity**

Reactivity: not applicable

Chemical stability: Stable under storage conditions >15°C

Hazardous reaction: none

Conditions to avoid: temperatures above 15°C. Avoid acids, alkalis and oxidizing agents.

Decomposition: Liable to cause smoke & acrid fumes during combustion: carbon monoxide.

### **Section 11: Toxicological Information**

ORAL-RAT-LD50-1.9-MG/KG

ORAL-RAT-LD50-1.9-2.6 G/KG 13 MG/KG

Harmful if absorbed through skin or swallowed. Can cause eye irritation. Potential irritant if inhaled.

### **Section 12: Ecological Information**

12.1 not acutely toxic to fish

12.2 not readily biodegradable

12.3 partition coefficient 3.4-5.5

12.4 mobility LOG10KOC= 2.3-5.0

12.5 This product is not identified as a PBT/vPvB substance

12.6 Other Adverse effects: Do not allow product to enter streams, sewers or other waterways.

### **Section 13: Disposal Considerations**

Always recover spilled product. Discard waste with authorized waste management services, in accordance with local and national waste regulations.

#### **Section 14: Transport Information**

UN 1993: applies

Road (ADR/RID): UN 1169

Air (IATA): UN 1169

Sea (IMDG): UN 1169

Proper shipping name: Aromatic, liquid,EXTRACTS

Packing group: III

Marine pollutant, environmentally hazardous

#### **Section 15: Regulatory Information**

EU DIRECTIVES: 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).

STATUTORY INSTRUMENTS: THE CHEMICALS (HAZARD INFORMATION & PACKAGING FOR SUPPLY REGULATIONS 2009 (S.I.2009 NO 716).

APPROVED CODE OF PRACTICE: CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA SHEETS FOR SUBSTANCES & PREPARATIONS.

GUIDANCE NOTES: WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108.

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

#### **Section 16: Other Information**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3:

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.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

**MAT**

# ERIAL SAFETY DATA SHEET



## 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Product name: **Tea Tree Oil**

Supplier: Purely Essential

## 2. COMPOSITION / INFORMATION ON INGREDIENTS.

Definition/Botanical Origin: Obtained by steam distillation from the leaves & twigs of *Melaleuca alternifolia* L. (Fam. *Myrtaceae*).

**H-No: 3301.29.6 CAS No: 85085-48-9 Status: natural**  
**CoE No: 456 FEMA: 3902 Additives: none**

FDA: IFRA: not restricted Application: Aromatherapy, pharmaceuticals, skincare etc

RIFM: monograph EINECS: 285-377-1 FCCIV: official

INCI name: *Melaleuca alternifolia* (Tea Tree) Leaf Oil

## 3. HAZARDS IDENTIFICATION:

Xn. Harmful; R10 Flammable

## 4. FIRST-AID MEASURES:

Inhalation: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

Eye contact: Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.

Skin contact: Remove contaminated clothes. Wash thoroughly with

soap & water, flush with plenty of water. If irritation persists, seek medical advice.

Ingestion: Rinse mouth out with water. Seek medical advice **immediately**.

Other: When assessing action take Risk & Safety Phrases into account (Section 15)

## **5. FIRE FIGHTING MEASURES.**

Extinguishing media Use CO<sub>2</sub>, Dry Powder or Foam type of Extinguishers, spraying recommended: extinguishing media to base of flames. Do not use direct water jet on burning material.

Special measures: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

Extinguishing procedures: Closed containers may build up pressure when exposed to heat and should be cooled with water spray. [SEP] [SEP] [SEP] [SEP]

## **6. ACCIDENTAL RELEASE MEASURES.**

Personal precautions: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

Environment precautions: Keep away from drains, soils, surface & groundwaters.

Cleaning up methods Remove all potential ignition sources. Contain spilled material. Cover for spillages: with an inert or non-combustible inorganic absorbent material, or sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

## **7. HANDLING & STORAGE.**

- Precautions in handling: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst

handling.

Storage conditions: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

Fire protection: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION.**

Respiratory protection: Avoid breathing product vapour. Apply local ventilation where possible.

Ventilation: Ensure good ventilation of working area.

Hand protection: Avoid all skin contact. Use chemically resistant gloves if required.

Eye protection: Use safety glasses.

Work/Hygiene practices: Wash hands with soap & water after handling.

## **9. PHYSICAL & CHEMICAL PROPERTIES.**

Colour: Colourless to pale yellow

Appearance: Clear mobile liquid

Odour: Spicy, earthy, myristic

**Flash point °C: 57**

Specific Gravity @ 20°C: 0.885 - 0.906

Optical rotation @ 20°C: +5° to +15°

Refractive index @ 20° C: 1.475 - 1.482

Solubility in 85% ethanol @ 20°C: soluble 1 + 2 max

Solubility in water: Negligible

GC analysis: 1,8-Cineol (tr -15%) , Terpinen-4-ol (30 - 48%)



Air (IATA): Class 3 packing group III

Sea (IMDG): page 3142, Class 3

CHIP: See section 15

**15. REGULATORY INFORMATION.** According to Directive 88/379/EEC

Hazards: Harmful

Symbols: Xn

Risk Phrases: R10 Flammable Liquid

R22 Harmful if swallowed

R38 Irritating to skin

- R65 May cause lung damage if swallowed

Safety Phrases: S16 Keep away from sources of ignition – No Smoking

S62 If swallowed, do not induce vomiting: Seek medical advice immediately and show this container or label

**16. OTHER INFORMATION.**

Cosmetics Directive 7<sup>th</sup> Amendment: Restrictions may apply. A source of Limonene, listed as a sensitiser. Check maximum usage levels for skin care products.

**PACKAGING:**

**Type**

**Suitability**

Glass	Yes
Lacquer lined steel/tin	Moderate
Aluminium	Yes
HPPE	Yes
F/HDPE	Yes
Other plastic	Yes

Stainless steel drums preferred.

## **SHELF LIFE**

When stored within advised conditions, re-test after 12 months, then at 3 monthly intervals up to a maximum life of 36 months.

## **Q.C. REQUIREMENTS.**

In-line with general product specification. Always satisfy suitability for specific application.

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. 

## **DECLARATION OF ALLERGENS**

<b>PRODUCT</b>	<b>Tea Tree Oil</b>
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<b>MATERIAL</b>	<b>CAS NUMBE R</b>	<b>TOTAL ALLERGEN I LEVEL (%)</b>
<b>AMYL CINNAMAL</b>	<b>122-40-7</b>	-
<b>BENZYL ALCOHOL</b>	<b>100-51-6</b>	-
<b>CINNAMYL ALCOHOL</b>	<b>104-51-6</b>	-
<b>CITRAL</b>	<b>5392-40-5</b>	-
<b>EUGENOL</b>	<b>97-53-0</b>	-
<b>HYDROXYCITRONELLAL</b>	<b>107-75-5</b>	-
<b>ISO EUGENOL</b>	<b>97-54-1</b>	-
<b>AMYL CINNAMYL ALCOHOL</b>	<b>101-85-9</b>	-
<b>BENZYL SALICYLATE</b>	<b>118-58-1</b>	-
<b>CINNAMAL</b>	<b>104-55-2</b>	-
<b>COUMARIN</b>	<b>91-64-5</b>	-
<b>GERANIOL</b>	<b>106-24-1</b>	-

<b>HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE</b>	<b>31906-04- 4</b>	-
<b>ANISE ALCOHOL</b>	<b>105-13-5</b>	-
<b>BENZYL CINNAMATE</b>	<b>103-41-3</b>	-
<b>FARNESOL</b>	<b>4602-84-0</b>	-
<b>BUTYLPHENYL METHYLPROPIONAL</b>	<b>80-54-6</b>	-
<b>LINALOOL</b>	<b>78-70-6</b>	-
<b>BENZYL BENZOATE</b>	<b>120-51-4</b>	-
<b>CITRONELLOL</b>	<b>106-22-9</b>	-
<b>HEXYL CINNAMAL</b>	<b>101-86-0</b>	-
<b>LIMONENE</b>	<b>5989-27-5</b>	<b>4.0</b>
<b>METHYL 2-OCTYNOATE</b>	<b>111-12-6</b>	-
<b>ALPHA-ISOMETHYL IONONE</b>	<b>127-51-5</b>	-
<b>EVERNIA PRUNASTRI EXTRACT</b>	<b>90028-68- 5</b>	-
<b>EVERNIA FURFURACEA EXTRACT</b>	<b>90028-67- 4</b>	-