

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** TEA TREE OIL**CAS number:** 85085-48-9**EINECS number:** 285-377-1**Synonyms:** OIL OF MELALEUCA (TERPINEN-4-OL TYPE); TEA TREE OIL**INCI name:** Melaleuca alternifolia Leaf Oil**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet****Company name:** Naissance

Unit 9 Milland Road

Industrial Estate

Neath

Neath Port Talbot

SA11 1NJ

**Tel:** 0800 0430 826**Email:** info@naissance.co.uk**1.4. Emergency telephone number****Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Acute Tox. 4: H302**Most important adverse effects:** Flammable liquid and vapour. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.**2.2. Label elements****Label elements:****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.

H411: Toxic to aquatic life with long lasting effects.

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**Hazard pictograms:** GHS07: Exclamation mark

GHS02: Flame

GHS09: Environmental

GHS05: Corrosion



**Signal words:** Danger

**Precautionary statements:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P501: Dispose of to.

### 2.3. Other hazards

**Other hazards:** No data available.

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

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Non-classified ingredients:

##### TERPINEN-4-OL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	-	-	-	30-50%

##### GAMMA-TERPINENE

-	99-85-4	-	-	10-30%
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##### ALPHA-TERPINENE

-	99-86-5	-	-	1-10%
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### ALPHA-TERPINEOL

-	-	-	-	1-10%
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### PARA CYMENE

-	99-87-6	-	-	1-10%
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### TERPINOLENE

-	586-62-9	-	-	1-10%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash well with water.

**Eye contact:** Bathe the eye with running water for 15 minutes. If irritation persists seek medical advice.

**Ingestion:** Do not induce vomiting. Consult a doctor. Give a glass of water

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** Causes skin irritation Prolonged contact may cause dryness of the skin.

**Eye contact:** Severe irritant

**Ingestion:** No data available.

**Inhalation:** Potential irritant. Over exposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.

**Delayed / immediate effects:** No additional data available.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** No data available. Depending on the level/type of exposure, small levels can be treated by first aider. Larger contact or if symptoms persist, seek medical help immediately

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Dry chemical powder. Carbon dioxide. Foam. Vaporising liquids

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Slight fire and explosion hazard when exposed to heat and flames.

### 5.3. Advice for fire-fighters

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

## Section 6: Accidental release measures

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## 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Use personal protective equipment. Shut off all sources of ignition

## 6.2. Environmental precautions

**Environmental precautions:** No data available Do not discharge into drains or rivers. Keep away from surface and ground water.

## 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** For small spills, wash area with water and detergent. Wash with water and detergent  
For large spills contain with earth, sand or similar inert absorbent material and transfer both liquids and solids to salvage containers and arrange disposal by disposal company. Wash spilled area thoroughly with water and detergent

## 6.4. Reference to other sections

**Reference to other sections:** No data found

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid spills, skin and eye contact. Wash area well with hot water and detergent and check for residual vapours with an explosion meter before carrying out maintenance  
Product is Flammable. Use only in a well-ventilated area. Keep away from heat or flame

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Must be stored and transported in accordance with local regulations Product is a class 3 flammable liquid Store in a tightly closed container Protect from freezing and direct sunlight. Store in a cool, well ventilated area.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Use only in well ventilated area

**Respiratory protection:** Not required when used in well-ventilated area. Dust Mask/ use approved half face respirator particularly is using undiluted in confined spaces.

**Hand protection:** Use chemical resistant gloves

**Eye protection:** Safety glasses.

**Skin protection:** Wear protective gloves.

[cont...]

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**Environmental:** No additional data available.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Pale yellow

**Odour:** characteristic, myristic

**Solubility in water:** Insoluble

**Boiling point/range°C:** 97 to 220

**Melting point/range°C:** No data available.

**Flash point°C:** 57

**Autoflammability°C:** 252

**Vapour pressure:** 2100pa

**Relative density:** No data available.

**pH:** Not applicable.

### 9.2. Other information

**Other information:** Specific Gravity (25c) 0.8820 - 0.9030, refractive index (20c) 1.4750 - 1.4820, Insoluable, melting point 0

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** No data available.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous polymerisation does not occur.

### 10.4. Conditions to avoid

**Conditions to avoid:** Flames. Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids. Strong Alkalis.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicity values:**

Route	Species	Test	Value	Units
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DERMAL	RBT	LD50	2000	mg/kg
ORAL	RAT	LD50	1700	mg/kg

### Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 3)	-	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	No hazard: calculated
Aspiration hazard	-	Hazardous: calculated

### Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated

### Symptoms / routes of exposure

**Skin contact:** Causes skin irritation Prolonged contact may cause dryness of the skin.

**Eye contact:** Severe irritant

**Ingestion:** No data available.

**Inhalation:** Potential irritant. Over exposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.

**Delayed / immediate effects:** No additional data available.

**Other information:** No additional data available.

### Section 12: Ecological information

#### 12.1. Toxicity

##### Ecotoxicity values:

Species	Test	Value	Units
ZEBRAFISH (Brachydanio rerio)	96H LC50	>100	mg/l

#### 12.2. Persistence and degradability

**Persistence and degradability:** Readily biodegradable.

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## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

## 12.4. Mobility in soil

**Mobility:** No data available.

## 12.5. Results of PBT and vPvB assessment

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

## 12.6. Other adverse effects

**Other adverse effects:** No data available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Dispose of in accordance with local regulations liquids cannot be disposed of in landfill. do not release to water ways. wash water should be contained and sent out to a waste facility for proper handling and disposal in accordance with state, provincial and federal laws and regulation

**Recovery operations:** No additional data available.

**Disposal of packaging:** No additional data available.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1169

### 14.2. UN proper shipping name

**Shipping name:** EXTRACTS, AROMATIC, LIQUID

### 14.3. Transport hazard class(es)

**Transport class:** 3

### 14.4. Packing group

**Packing group:** III

### 14.5. Environmental hazards

**Environmentally hazardous:** Yes

**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** No additional data available.

**Tunnel code:** D/E

**Transport category:** 3

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## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk:** No additional data available.

## Section 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Specific regulations:** The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716)

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** No data found

## Section 16: Other information

### Other information

**Other information:** No data available

**Phrases used in s.2 and s.3:** 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.

H411: Toxic to aquatic life with long lasting effects.

**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.