



SAFETY DATA SHEET

TEA TREE OIL

Page: 1

Compilation date: 09/12/2015

Revision date: 09/01/2017

Revision No: 4

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: Purelife UK
Unit 7, Building 2, Sandwich Ind
Sandwich,
Kent
CT13 9LU
United Kingdom

Tel: 01304 273111

Fax: Not applicable

Email: sales@purelifeuk.co.uk

1.4. Emergency telephone number

Emergency tel: 07845 772575

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.

[cont...]

SAFETY DATA SHEET

TEA TREE OIL

Page: 2

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%
---	---------	---	---	--------

ALPHA-TERPINENE

-	99-86-5	-	-	1-10%
---	---------	---	---	-------

[cont...]

SAFETY DATA SHEET

TEA TREE OIL

Page: 3

ALPHA-TERPINEOL

-	-	-	-	1-10%
---	---	---	---	-------

PARA CYMENE

-	99-87-6	-	-	1-10%
---	---------	---	---	-------

TERPINOLENE

-	586-62-9	-	-	1-10%
---	----------	---	---	-------

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

[cont...]

SAFETY DATA SHEET

TEA TREE OIL

Page: 4

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...]

SAFETY DATA SHEET

TEA TREE OIL

Page: 5

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
-------	---------	------	-------	-------

[cont...]

SAFETY DATA SHEET

TEA TREE OIL

Page: 6

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.

[cont...]

SAFETY DATA SHEET

TEA TREE OIL

Page: 7

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

[cont...]

SAFETY DATA SHEET

TEA TREE OIL

Page: 8

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.