

AKÖMA™

FROM THE HEART

MATERIAL SAFETY DATA SHEET

1 - Identification of Product and Supplier

Product Name:	Tea Tree Essential Oil Organic				
Biological Definition:	The volatile oil obtained by steam distillation from the leaves & twigs of <i>Melaleuca alternifolia</i> L.				
INCI Name:	Melaleuca Alternifolia Leaf Oil				
Synonyms & Trade Names:	Ti-tree oil				
Internal Product Code:	R00401				
FEMA No.	3902	FDA No.	N/A	CoE No.	275
CAS-No	85085-48-9/ 8022-72-8/ 68647-73-4	EC No.	285-377-1/-/-	EINECS No.	285-377-1/-/-
Supplier:	Akoma International (UK) LTD Unit 9A Sawley Park Nottingham Road Derby DE21 6AS Tel: +44 (0) 1332 613 967				
Emergency Contact:	Mr. Wynn Mensah – Tel: 01332 613 967				

2 - Hazards identification:

2.1 Classification of the substance or mixture

Classification (67/548/EEC) Xn+N; R10-22-38-43-51/53-65, S24-37-61-62

Classification (EU 1272/2008) UN-GHS: FL 3, ATO 4(1900), AH 1, SCI 2, EDI 2A, SS 1, EH A2,C2
EU-CLP: FL 3, ATO 4, AH 1, SCI 2, EDI 2, SS 1, EH A2,C2

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2.2 Label elements

Label in accordance with Regulation (EC) No 1272/2008



Signal word: Danger

Contains Pinenes, limonene
H226 Flammable liquid
and vapour H302
Harmful if swallowed

Hazard Statements: 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
H411 Toxic to aquatic life with long-lasting effects.

Precautionary Statements: P301/310 IF SWALLOWED: Immediately call a POISON CENTER
or doctor/physician. P331 Do NOT induce vomiting
P262 Do not get in eyes, on skin or on clothing
P280 Wear protective gloves/protective clothing/eye
protection/face protection P273 Avoid release to the
environment
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove
contact lenses if present and easy to do – continue rinsing

Supplementary
Precautionary
Statements: P391 Collect spillage

Risk phrases and Safety phrases in full refer to *Section 16 – Other Information*

2.3 Other hazards:

Adverse physio-chemical Combustible but will not normally self-ignite
properties

Adverse effects on human The undiluted oil may cause skin sensitisation
health

3 - Composition and information on ingredients:

3.1 Substances

40% Terpinene -4-ol	CAS: 562-74-3	EC: 209-235-5	UN-GHS: ATO 4(1300); ATD 5(2500); SCI 2, EDI 2A, EH A3
20% gamma-Terpinene	CAS: 99-85-4	EC: 202-794-6	UN-GHS: ATO 5(3850); SCI 3
9% alpha-Terpinene	CAS: 99-86-5	EC: 202-795-1	UN-GHS: ATO 4(1650); SCI 3; EH A2,C2
5% para-Cymene	CAS: 99-87-6	EC: 202-796-7	UN-GHS: ATO 5(4750); SCI 3; EH A2,C2
3% Cineoles	CAS: 470-67-7	EC: 207-428-9	UN-GHS: ATO 5(2500); SCI 3
3% alpha-Terpineol	CAS: 10482-56-1 / 98-55-5	EC: 233-986-8 / 202-680-6	UN-GHS: ATO 5 (4300);SCI 2; EDI 2A
3% Pinenes	CAS: 80-56-8/ 127-91-3	EC: 201-291-9/ 204-872-5	UN-GHS: ATO 5(3700), SCI 2, SS 1
3% Terpinolene	CAS: 586-62-9	EC: 209-578-0	UN-GHS: ATO 5(3850); SCI 3; EH A2,C2
1% Limonene	CAS: 138-86-3	EC: 205-341-0/931-893-3	UN-GHS: SCI 2; SS 1; EH A1,C1.

3.2 Mixtures

EU INCI	US INCI
N/A	N/A

4 - First aid measures:

4.1 Description of first aid measures

General Information	See categories below
Inhalation	Remove from exposure area to fresh air. Contact a doctor if necessary.
Ingestion	Wash mouth out with water and obtain medical advice immediately.
Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
Eye Contact	Flush with plenty of water and seek medical advice if necessary.

4.2 Most important symptoms and effects, both acute and delayed N/A

4.3 Indication of any immediate medical attention and special treatment needed N/A

5 - Fire - Fighting measures:

5.1 Extinguishing Media

Use CO₂, Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

5.2 Special hazards arising from the substance or mixture.

None

5.3 Advice for fire-fighters

Wear protective clothing. Avoid inhalation of vapours. Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6 - Accidental release measures:

6.1 Personal precautions

Maintain good occupational and personal hygiene. Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not discharge directly into drains or soil. Keep away from surface and ground water.

6.3 Methods and material for containment and cleaning up

Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

6.4 References to other sections.

Please refer to *Section 8 - Exposure controls/personal protection* for further information on personal precautions

Please refer to *Section 13 - Disposal Considerations* for further information on waste treatment.

7 - Handling and storage:

7.1 Precautions for safe handling

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

7.2 Conditions for safe storage, including any incompatibilities

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.

7.3 Specific end use(s)

N/A

8 - Exposure controls and personal protection:

8.1 Control Parameters

None.

8.2 Exposure Controls

Eye protection



Use safety glasses.

Hand protection



Avoid all skin contact. Use chemically resistant gloves if required.

Hygiene Measures

Wash hands with soap & water after handling.

Engineering Measures

Ensure good ventilation of working area.

Respiratory Equipment

Avoid breathing product vapour. Apply local ventilation where possible.

9 - Physical data and chemical properties:

9.1 Information on basic physical and chemical properties

Appearance @ 20°C	Clear, Colourless, Mobile liquid
Odour	Characteristic, Earthy, Aromatic, Myristic
Specific gravity @ 20°C	0.885 to 0.906
Refractive Index @ 20°C	1.475 to 1.482
Optical Rotation	+5° to + 15°

9.2 Other information

N/A

10 - Stability and Reactivity:

10.1 Reactivity

It presents no significant reactivity hazards, by itself or in contact with water.

10.2 Chemical stability

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions

None.

10.4 Conditions to avoid

Avoid storing in temperatures over 25°C.

10.5 Incompatible materials

Avoid contact with strong acids, alkali or oxidising agents.

10.6 Hazardous decomposition products

Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11 - Toxicological information:

11.1 Information on toxicological effects.

Acute toxicity:

Acute Oral toxicity (oral rat) 1.9 to 2.6 ml/kg (ATTIA 1997); (oral rat) 1900mg/kg *FCT 26*, 407 (1988).

skin-rabbit LDLo 5000 mg/kg *FCT 26*, 407, 1988.

Acute toxicity oral: Classified as category 4 GHS & CLP following criteria under EU 1272/2008

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Skin corrosion / irritation:	Classified as Category 2 under GHS & CLP following criteria under EU 1272/2008
Serious eye damage/irritation:	Classified as Category 2 under GHS & CLP following criteria under EU 1272/2008
Respiratory or skin sensitisation:	Classified as Category 1 under GHS & CLP following criteria under EU 1272/2008
Germ cell mutagenicity:	A batch of Australian Tea Tree Oil was considered to be non clastogenic in the mouse micronucleus test under the conditions of the study. Ref: SCCP Opinion 1155/2008
Carcinogenicity:	No data found: SCCP Opinion 1155/2008
Reproductive toxicity:	There are no teratogenicity data available for Tea Tree Oil. In addition, the available literature on reproductive toxicity of constituents of Tea Tree Oil is limited. Ref: SCCP Opinion 1155/2008
STOT-single exposure:	Data not found
STOT-repeated exposure:	Data not found
Aspiration hazard:	Category 1 under GHS categorisation following criteria of EU 1272/2008
Other information:	Not photo-toxic

12 - Ecological Information:

12.1 Toxicity

Hazardous to the Aquatic Environment - Long-term Hazard Category 2 under EU 1272/2008. Considered a marine pollutant.

12.2 Persistence and degradability

No data available.

12.3 Bio-accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and VPVB assessment

No data available.

12.6 Other adverse effects

N/A

13 - Disposal Considerations:

13.1 Waste Treatment Methods

Avoid disposing to drainage systems and into the environment. May be incinerated together with general household waste in accordance with local regulations and by agreement with local waste disposal

management companies and responsible authorities.

14 - Transport Information:



Warning Icon	
Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID (Tea tree oil)
UN No. Road	UN 1169
ADR Class	Class 3
Hazard No (ADR)	Not found
Hazchem Code	3Y
UN No. SEA	UN 1169
IMDG Class	Class 3
IMDG Pack Gr.	Pk Gp III
EMS	F-E, S-E
UN No. AIR	UN 1169
Air Class	Class 3
Air Pack Gr.	Pk Gp III

15 - Regulatory Information:

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

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716)).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

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15.2 Chemical safety assessment

An assessment has not been executed as this is not a hazardous material according to article 31 of REACH 1907/2006.

16 -Other Information:

Training instructions: Refer to possible hazard before use of this product.

Abbreviations and acronyms:

MSDS	Material Safety Data Sheet
INCI	International Nomenclature of Cosmetic Ingredients
CAS	Chemical Abstract Service
IMDG	International Maritime Code for Dangerous Goods
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID	International Carriage of Dangerous Goods by Rail
ICAO	International Civil Aviation Organization
ADN	International Carriage of Dangerous Goods by Inland Waterways
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
Trem Card	Transport Emergency Card
STOT	Specific Target Organ Toxicity
N/A	Not Available

Risk Phrases in full: R10 Flammable
R22: Harmful if swallowed. R38: Irritating to skin.
R43: May cause sensitisation by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65: Harmful: may cause lung damage if swallowed.

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Hazard Statements in full: 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

Complies with REACH guidance for SDS as circulated by ECHA 2011.

Disclaimer

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