

CERTIFICATE OF ANALYSIS

PRODUCT Tea Tree Oil Australian

Batch Number 4524502

Appearance Clear to pale yellow liquid

Odour Characteristic

Relative Density @ 20°C 0.892

Refractive Index @ 20°C 1.4781

Specific gravity @ 20°C +10.06

Test	Specification	Result
a-pinene	1.0 - 4.0	2.37
sabinene	tr-3.5	0.39
a-terpinene	6.0 - 12.0	9.96
limonene	0.5 - 1.5	0.93
p-cymene	0.5 - 8.0	1.91
1,8-cineole	tr-10.0	1.74
y-terpinene	14.0 - 28.0	21.17
terpinolene	1.5 - 5.0	3.53
terpinen-4-ol	35.0 - 48.0	41.64
a-terpineol	2.0 - 5.0	3.09
aromadendrene	0.2 - 3.0	1.10
ledene	0.1 - 3.0	0.88
8-cardinen	0.3 - 3.0	1.07
globulol	tr-1.0	0.18
viridifloral	tr-1.0	0.13

Best Before Date: November 2026



according to Regulation (EC) No 1223/2009

Product Name: TEA TREE OIL (AUSTRALIA)

Substance	CAS	max. content [A%]
3-Propylidenephthalide	17369-59-4	not detected
6-Methyl Coumarin	92-48-8	not detected
Acetyl Cedrene	32388-55-9	not detected
alpha-Isomethyl ionone	127-51-5	not detected
alpha-Terpinene	99-86-5	12
Amyl cinnamal	122-40-7	not detected
Amyl Salicylate	2050-08-0	not detected
Amylcinnamyl alcohol	101-85-9	not detected
Anethole	104-46-1 / 4180-23-8	not detected
Anise alcohol	105-13-5	not detected
Benzaldehyde	100-52-7	not detected
Benzyl alcohol	100-51-6	not detected
Benzyl benzoate	120-51-4	not detected
Benzyl cinnamate	103-41-3	not detected
Benzyl salicylate	118-58-1	not detected
beta-Caryophyllene	87-44-5	1
Camphor	76-22-2 / 21368-68-3 / 464-49-3 / 464-48-2	0,1
Cananga Odorata Flower Oil	83863-30-3 / 8006-81-3 / 68606-83-7 / 93686-30-7	not detected
Carvone	99-49-0 / 6485-40-1 / 2244-16-8	not detected
Cedrus Atlantica Wood Oil	92201-55-3 / 8023-85-6	not detected
Cinnamal	104-55-2	not detected
Cinnamomum Cassia Leaf Oil	8007-80-5 / 84961-46-6	not detected
Cinnamomum Zeylanicum Bark Oil	8015-91-6 / 84649-98-9	not detected
Cinnamyl alcohol	104-54-1	not detected



according to Regulation (EC) No 1223/2009

Product Name: TEA TREE OIL (AUSTRALIA)

Substance	CAS	max. content [A%]
Citral	5392-40-5	not detected
Geranial	141-27-5	
Neral	106-26-3	
Citronellol	106-22-9 / 26489-01-0	not detected
	1117-61-9	
	7540-51-4	
Citrus Aurantium Amara Flower Oil	72968-50-4	not detected
Citrus Aurantium Dulcis Flower Oil	8028-48-6 / 8016-38-4	
Citrus Aurantium Amara Peel Oil	68916-04-1 / 72968-50-4	not detected
Citrus Aurantium Dulcis Peel Oil	97766-30-8 / 8028-48-6 /	
Citrus Sinensis Peel Oil	8008-57-9	
Citrus Aurantium Bergamia Peel Oil	8007-75-8	not detected
	89957-91-5	
	68648-33-9 / 85049-52-1	
Citrus Limon Peel Oil	84929-31-7 / 8008-56-8	not detected
Coumarin	91-64-5	not detected
Cymbopogon Schoenanthus Oil	8007-02-1 / 89998-16-3	not detected
Cymbopogon Flexuosus Oil	91844-92-7	
Cymbopogon Citratus Leaf Oil	8007-02-1 / 91844-92-7	
Dimethyl Phenethyl Acetate	151-05-3	not detected
Eucalyptus Globulus Leaf Oil	97926-40-4 / 8000-48-4	not detected
Eucalyptus Globulus Leaf/Twig Oil	8000-48-4	
Eugenia Caryophyllus Leaf Oil	8000-34-8 / 8015-97-2 /	not detected
	84961-50-2	
Eugenia Caryophyllus Flower Oil	84961-50-2	
Eugenia Caryophyllus Stem Oil	84961-50-2	
Eugenia Caryophyllus Bud Oil	84961-50-2	
Eugenol	97-53-0	not detected
Eugenyl Acetate	93-28-7	not detected



according to Regulation (EC) No 1223/2009

Product Name: TEA TREE OIL (AUSTRALIA))

Substance	CAS	max. content [A%]
Evernia Furfuracea Extract	90028-67-4	not detected
Evernia Prunastri Extract	90028-68-5	not detected
Farnesol	4602-84-0	not detected
Geraniol	106-24-1	0,1
Geranyl Acetate	105-87-3	not detected
Hexadecanolactone	109-29-5	not detected
Hexamethylindenopyran	1222-05-5	not detected
Hexylcinnamaldehyde	101-86-0	not detected
Hydroxycitronellal	107-75-5	not detected
Isoeugenol	97-54-1	not detected
	5932-68-3	
	5912-86-7	
Isoeugenyl Acetate	93-29-8	not detected
Jasminum Grandiflorum Flower	84776-64-7 / 90045-94-6 /	not detected
Extract	8022-96-6 / 8024-43-9	
	90045-94-6	
Juniperus Virginiana Oil	8000-27-9 / 85085-41-2	not detected
Laurus Nobilis Leaf Oil	8002-41-3 / 8007-48-5 /	not detected
	84603-73-6	
Lavandula Hybrida Oil	91722-69-9 / 8022-15-9 /	not detected
	93455-96-0 / 93455-97-1 /	
	92623-76-2	
Lavandula Intermedia	84776-65-8 / 8000-28-0 /	
Flower/Leaf/Stem Oil	90063-37-9	
Lavandula Angustifolia Oil	84776-65-8 / 8000-28-0 /	
	90063-37-9	
Limonene	138-86-3 / 7705-14-8	2
	5989-27-5	
	5989-54-8	



according to Regulation (EC) No 1223/2009

Product Name: TEA TREE OIL (AUSTRALIA))

Substance	CAS	max. content [A%]
Linalool	78-70-6	0,5
Linalyl Acetate	115-95-7	not detected
Lippia citriodora absolute	8024-12-2 / 85116-63-8	not detected
Mentha Piperita Oil	8006-90-4 / 84082-70-2	not detected
Mentha Viridis Leaf Oil	8008-79-5 / 84696-51-5	not detected
Menthol	89-78-1 / 1490-04-6 /	not detected
	2216-51-5 / 15356-60-2	
Methyl 2-octynoate	111-12-6	not detected
Methyl Salicylate	119-36-8	not detected
Myroxylon Pereirae Oil	8007-00-9	not detected
Narcissus Poeticus Extract	90064-26-9 / 68917-12-4	not detected
Narcissus Pseudonarcissus Flower	90064-27-0	
Extract		
Narcissus Jonquilla Extract	90064-25-8	
Pelargonium Graveolens Flower Oil	90082-51-2 / 8000-46-2	not detected
Pinene	80-56-8 / 7785-70-8 /	5
	127-91-3 / 18172-67-3	
Pinus Mugo Leaf Oil	90082-72-7	not detected
Pinus Pumila Twig Leaf Oil	97676-05-6	not detected
Pogostemon Cablin oil	8014-09-3 / 84238-39-1	not detected
Rosa Damascena Flower Oil	8007-01-0 / 90106-38-0	not detected
Rosa Alba Flower Oil	93334-48-6	
Rosa Canina Flower Oil	84696-47-9	
Rosa Centifolia Flower Oil	84604-12-6	
Rosa Gallica Flower Oil	84604-13-7	
Rosa Moschata Flower Oil		
Rosa Rugosa Flower Oil	92347-25-6	



according to Regulation (EC) No 1223/2009

Product Name: TEA TREE OIL (AUSTRALIA))

Substance	CAS	max. content [A%]
cis-Rose ketone 1	43052-87-5 / 23726-94-5	not detected
trans-Rose ketone 1	24720-09-0	
cis-Rose Ketone 2	23726-92-3	
trans-Rose ketone 2	23726-91-2	
Rose ketone 3	57378-68-4	
trans-Rose ketone 3	71048-82-3	
Rose ketone 4	23696-85-7	
Salicylaldehyde	90-02-8	not detected
Santalol	11031-45-1 / 115-71-9 /	not detected
	77-42-9	
Santalum Album Oil	8006-87-9 / 84787-70-2	not detected
Sclareol	515-03-7	not detected
Terpineol	8000-41-7 / 98-55-5 /	5
	138-87-4 / 586-81-2	
Terpinolene	586-62-9	5
Tetramethyl acetyloctahydro-	54464-57-2 / 54464-59-4 /	not detected
naphthalenes	68155-66-8 / 68155-67-9	
Trimethylbenzenepropanol	103694-68-4	not detected
Trimethylcyclopentenyl	67801-20-1	not detected
Methylisopentenol		
Turpentine	9005-90-7	not detected
	8006-64-2	
	8052-14-0	
Vanillin	121-33-5	not detected



Process flow chart of Tea Tree oil

	steam distillation	
Leaves and stem of Melaleuca alternifolia		crude Tea Tree oil
packing		
Finished Tea Tree oil → 180 kg/ga	Ivanized drums, av	oid heat and light



Non-GMO Statement
PRODUCT: TEA TREE AUSTRALIAN OIL
We certify that the product mentioned above is manufactured from Non GMO raw materia
This certificate is generated using data provided by our suppliers.



IFRA STANDARDS CONFORMITY CERTIFICATE

Fragrance compound

radicate Tao Trop Oil			
roduct: Tea Tree Oil			

We certify that the above substance is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), 51st Amendment to the IFRA Code of Practice (published June *2023*), It does not appear in the IFRA list of standards and so no information is available on its use in the IFRA Classes:

IFRA class(es) [see respective IFRA guidance for details]	Level of use (%)*

^{*}Actual use level or maximum use level

The IFRA Standards are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM).

Recommendation: Information about presence and concentration of IFRA restricted/prohibited materials in the Tea Tree Oil is as follows:

IFRA Restricted materials:

Ingredient name	CAS	Concentration %
Methyl eugenol	93-15-2	0.05
Beta-cedrene	546-28-1	0.03

IFRA prohibited materials: None

Ingredient name	CAS	Details

Signature (If generated electronically, no signature)

Date 9 August 2023

Disclaimer: This Certificate provides restrictions for use of the specified product based only on those materials restricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. This Certificate does not provide certification of a comprehensive safety assessment of all product constituents.



SAFETY DATA SHEET

Tea tree Oil

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier Product name Tea tree oil

EC number:	285-377-1
EC name:	Melaleuca alternifolia, ext
CAS number (EC	85085-48-9
inventory):	
Registration number	

1.2 Relevant identified uses of the substance or mixture and uses advised against

Multiple uses in the Flavour and Fragrance industries

1.3 Details of the supplier of the safety data sheet

Madar Corporation Limited

19 - 20 Sandleheath Industrial Estate Fordingbridge SP6 1PA

Tel: 01425 655 555

E mail:

1.4 Emergency telephone technical@madarcorporation.co.uk

In case of emergency Tel. 01425 655 555 during office hours

SECTION 2: Hazards Identification

2.1 Classification of the substance

Classification in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008 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



H319 - Causes serious eye irritation

H401 - Toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements

P262 - Do not get in eyes, on skin, or on clothing

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor

P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P331 - Do NOT induce vomiting

P391 - Collect spillage

2.2 Label elements

Signal Word DANGER

Pictograms



2.3 Other hazards

SECTION 3: Composition

3.1 Substances

Tea tree oil 100 %

SECTION 4: First Aid Measures

4.1 Description of first aid measures

EYE CONTACT: Irrigate the eyes with copious volumes of water for at least 15 minutes with the eye lids held open. Seek medical advice if

inflammation persists

INHALATION: Remove person to fresh air, remove any contaminated clothing, in case of breathing difficulty seek medical advice.

SKIN CONTACT: Wash affected area with soap and running water, if irritation persists seek medical advice.



INGESTION: Dilute internally with water, do not induce vomiting. Seek medical advice immediately.

- 4.2 Most important symptoms and effects, both acute and delayed
- 4.3 Indication of any immediate medical attention and special treatments needed

Symptomatic treatment as required

SECTION 5: Firefighting Measures

- 5.1 Extinguishing media Foam, CO₂, Dry Powder
- 5.2 Special hazards arising from the substance or mixture Combustion products: Carbon monoxide, Carbon dioxide, Smoke
- 5.3 Advice for fire fighters Do Not Use Water as extinguishing media. No special fire fighting equipment required.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear clothing suitable for an emergency

6.2 Environmental precautions

Contain the leak with earth or sand. Prevent from entering drains, sewers and water courses. If this cannot be done, advise the local authority.

6.3 Methods and materials for containment and clearing up

Absorb spillage onto sand or earth. Transfer to a suitable container for disposal.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Handle in a well ventilated area, away from sources of ignition, DO NOT SMOKE.

7.2 Conditions for safe storage, including any incompatibilities

Store in well-filled, tightly closed containers away from heat, light and sources of ignition.

7.3 Specific end uses

Used in Flavours and Fragrances.

SECTION 8. Exposure Controls/Personal Protection

8.1 Control parameters No data available



Substance	8 hour exposure limit	15 minute exposure limit	Source, Type

DNELs for workers No data available

Exposure	Route	DNEL	Dose descriptor	
pattern			·	
Acute -	Dermal			
systemic				
effects				
Acute -	Inhalation			
systemic				
effects				
Acute - local	Dermal			
effects				
Acute - local	Inhalation			
effects				
Long-term -	Dermal			
systemic				
effects				
Long-term -	Inhalation			
systemic				
effects				
Long-term -	Dermal			
local effects				
Long-term -	Inhalation			
local effects				

PNECs No data available

Compartment	PNEC	Dose descriptor
Fresh water		
Sewage treatment		

8.2 Exposure controls

Engineering controls – Use suitable handling equipment

Respiratory protection – Use only in well ventilated areas. Use protection in poor ventilation.

Hand Protection – Wear gloves

Eye protection - Wear goggles

Skin protection - Wear suitable protective clothing

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Clear, mobile liquid Odour: Characteristic of tea tree Odour threshold: No data available

pH: Not applicable

Melting point: Not applicable Boiling point: Not applicable



Flashpoint: 59°C

Evaporation rate: No data available

Flammability: Flammable

Upper/lower flammability limits: No data available

Vapour pressure: No data available Vapour density: No data available Relative density: 0.885 – 0.906 Solubility in water: Insoluble Solubility in other solvents: Soluble

Partition coefficient (log Kow): No data available Autoignition temperature: No data available Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidising properties: None

9.2 Other information

Particle size: Not applicable

SECTION 10: Stability and Reactivity

- 10.1 Reactivity: Will react with oxidising agents
- 10.2 Chemical stability: Stable under proper storage conditions.
- 10.3 Possibility of hazardous reactions: Not if stored correctly
- 10.4 Conditions to avoid: Do not leave containers open to the air. Avoid storage at elevated temperatures and sources of ignition.
- 10.5 Incompatible materials: Oxidising agents
- 10.5 Hazardous decomposition products: On combustion may produce smoke, carbon monoxide and carbon dioxide.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

Toxicokinetics

- (a) acute toxicity: LD₅₀ 1900 mg/kg (Rat). Dermal >5000mg/kg (Rabbit)
- (b) skin corrosion/irritation: Causes skin irritation
- (c) serious eye damage/irritation: May cause eye irritation
- (d) respiratory/skin sensitisation: May cause an allergic skin reaction
- (e) germ cell mutagenicity: No data available
- (f) carcinogenicity: No data available
- (g) reproductive toxicity: No data available
- (h) STOT-single exposure: No data available
- (i) STOT-repeated exposure: No data available
- (j) aspiration hazard: No data available

SECTION 12: Ecological Information

12.1 Toxicity: No data available



- Persistence and degradability: No data available 12.2
- 12.3 Bioaccumulative 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

SECTION 13: Disposal Considerations

Waste treatment methods - Do not dispose into drainage systems. Ensure disposal is within local and national guidelines. Consult a specialist waste disposal company for correct disposal procedure and/or seek other expert advice.

SECTION 14: Transport Information

	ADR	IMDG	ICAO
14.1 UN Number	1169		
14.2 UN Proper shipping	Tea tree oil		
name			
14.3 Transport hazard	3	3	3
class(es)			
14.4 Packing group	III		
14.5 Environmental			
hazards			
14.6 Special precautions			
for user			
14.7 Transport in bulk			
according to Annex II of			
MARPOL 73/78 and the			
IBC Code			

SECTION 15: Regulatory Information

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

This substance is listed as existing in Europe

15.2 **Chemical Safety Assessment**

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other Information

Revision information:

List of Abbreviations used in this SDS:

CAS **Chemical Abstracts Service**

CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008

Dangerous Substances Directive 67/548/EEC DSD

Dangerous Preparations Directive 1999/45/EC DPD

European Commnity/Commission EC



Supersedes: 3

PBT Persistent, Bioaccumulative and Toxic REACHRegistration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006 vPvB very Persistent, very Bioaccumulative

References: Food Cosmetics Toxicology 26 407 (1988)

The information in this safety data sheet is based on the properties of the material known to Madar Corporation Limited at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances under which it is packaged, stored or applied in the workplace. This document is not intended for quality assurance purposes.



PRODUCT SPECIFICATION SHEET

PRODUCT: TEA TREE OIL AUSTRALIAN

PARAMETERS	RESULT
APPEARANCE	Clear to pale yellow liquid
ODOUR	Characteristic
OPTICAL ROTATION	5 - 15
SPECIFIC GRAVITY (20/20°C)	0.8001 to 0.9000
REFRACTIVE INDEX (20°C)	1.4015 - 1.5572

This certificate is generated using data provided by our suppliers.



Vegan and No Animal Test Statement

PRODUCT: TEA TREE AUSTRALIAN OIL

We certify that our products meet the items below:

- Do not and will not contain ingredients or sourced materials that contain animal or animal by-products.
- Item was not and will not be processed using processing aids that contain animal or animal by-products.
- This ingredient has not been tested on animals.
- The company doesn't contract another company to test this ingredient on animals.
- The company doesn't intend to test the ingredient on animals in the future

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