

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND THE COMPANY/ UNDERTAKING

1.1 Product Identifier

1. Label Name:	Kunzea Oil
2. CAS No:	97553-36-1
3. EINECS Code:	307-193-3
4. Flash Point (closed cup):	39°C
5. UN Number	1169
6. EU Tariff Number:	3301 2941

1.2 Other means of identification

kunzea ambigua

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

Recommended use: Concentrated aromatic, perfumery and cosmetic agent which should be used as such according to IFRA or FDA guidelines.

Recommended restrictions: For Manufacturing Use Only.

1.4. Details of the supplier of the safety data sheet

Essential Oils of Tasmania Pty Ltd

1520 Channel Highway, Margate, Tasmania, 7054, Australia

For further information please contact:

E-mail address/s info@eotasmania.com.au
clare@eotasmania.com.au

1.5. Emergency telephone number

Emergency telephone Office: +613 6229 4222
Clare McEldowney: +61400615665

Or contact relevant emergency number or POISON CENTRE.

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Hazardous substance or mixture according to the globally harmonised system (GHS).

Hazardous according to IATA regulations. No restrictions for airfreight transport

(Regulation CLP)

Hazard statements:

Flammable liquid (Category 3)

Aspiration hazard (Category 1)

Skin corrosion/irritation (Category 2)

Skin sensitisation (Category 1)
Serious eye damage/eye irritation (Category 2A)
Hazardous to the aquatic environment, long term hazard, (Category 1)

2.2 Label elements including precautionary statements

Pictogram



Signal Word Warning

Hazard statement(s)

H226 Flammable liquid and vapour.
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.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

Prevention

P210 Keep away from heat/ sparks/open flames/hot surfaces – No Smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection.

Response

P331 Do NOT induce vomiting.
P362 Take off contaminated clothing and wash before reuse.
P363 Collect spillage.
P391 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301 + 310 IF ON SKIN: wash with soap and water.
P302 + 352 IF SKIN irritation or rash occurs, get medical advice/attention.
P333 + 313 IF eye irritation persists: Get medical advice/attention.
P337 + 313 In case of fire use extinguishing measures that are appropriate to local circumstances and the surrounding environment (Do not use water).
P370 + P378 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P305 + 351 + 338

Storage

P405 Store locked up.
P403 + P235 Store in a well ventilated place. Keep cool.

Disposal

P501 Dispose of contents/containers to an approved waste disposal plant.

2.3 Other Hazards

See section 16

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Kunzea ambigua oil

CAS No: 97553-36-1

100% Purity

Main Components:

Chemical Name	EC-No	Cas. No	Weight %	GHS Classification
α -pinene	201-291-9	80-56-8	30-50	Flam. Liq. 3 (H226), Asp. Tox. 1 (H304), Skin Irrit. 2 (H315), Skin Sens.1(H317)
viridiflorol	209-003-3	552-02-3	10-20	Non-hazardous
1,8-cineole	207-431-5	470-82-6	8-18	Flam. Liq. 3 (H226)
globulol	207-696-7	489-41-8		Non-hazardous
ledene (viridiflorene)	209-003-3	552-02-3	1-4	Non-hazardous
bicyclogermacrene	n/a	24703-35-3	1-4	No data
α -terpineol	202-680-6	10482-56-1	1-2.5	Skin Irrit.2 (H315) Eye Irrit. 2 (H319), STOT SE 3 (H335)
linalool	201-134-4	78-70-6	0.5-2.5	Eye irrit.2(H319), Skin Irrit.2(H315)
limonene	227-813-5	5989-27-5	0.5-2	Flam. Liq. 3 (H226), Asp. Tox. 1 (H304), Skin Irrit.2 (H315), Skin Sens.1 (H317), Aquatic Chronic.1(H410)
Citronellol	203-375-0	106-22-9	0.5-2	Eye Irrit.2 (H319), Skin Irrit.2(H315) Skin Sens.1 (H317)

For full list of risk symbols and GHS classifications see section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

- Inhalation:** If irritation occurs, remove to fresh air. Seek medical treatment if irritation persists.
- Eye contact:** Rinse thoroughly with plenty of water for 10 – 15 minutes. In case of eye irritation, consult a physician.
- Skin contact:** Wash off immediately with soap and plenty of water while removing all contaminated clothing.
- Ingestion:** Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.

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

The most important known symptoms, and affects are described in the labelling (See section 2.2), and /or section 11.

4.3. Indication of any immediate medical attention and special treatment

No data available.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Appropriate Extinguishing Media

Use water spray, dry chemical, alcohol-resistant foam, or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Concentrated Vapours are heavier than air. In case of high temperatures, potentially explosive mixtures may develop upon contact with air. Carbon oxides may form.

5.3. Advice for fire-fighters

Special protective equipment for fire fighters:

Use standard procedures for chemical fire. As in any fire, wear self-contained breathing apparatus, MSHA/NIOSH approved (or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation and avoid breathing vapours, gas or mist. Vapours can accumulate in low areas. Contain spillage if safe to do so. For personal protection see section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent entrance into sewers and ground water.

6.3. Methods and material for containment and cleaning up

Contain spillage with non-combustible absorbent material (e.g. sand, earth, diatomite, acid binder, vermiculite, sawdust) and place in container for disposal according to local/national regulations. Alternatively, an electrically protected wet/dry vacuum cleaner can be used to collect spillage and material to container for adequate disposal. Store in adequate, closed container.

6.4. Reference to other sections

For disposal see section 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Close packaging after use. Avoid skin, eye contact and ingestion. Wear appropriate personal protection. Avoid high temperatures and sources of ignition – No Smoking. Avoid oxidants and acids. Maintain adequate local and general ventilation where the product is used.

7.2. Conditions for safe storage, including any incompatibilities

Store in cool dry area. Keep container tightly closed in a well ventilated area. Protect from light. Reproduce labelling if damaged or transferred to another container. Keep upright to prevent leakage.

Temperature: Ideally maintain storage temperature at 2-5°C.

7.3. Specific end use(s)

See section 1.3. No other specific used.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits No data available.

8.2. Exposure controls

General protective and hygienic measures:

Avoid skin and eye contact. Keep away from foodstuffs and beverages. Handle in accordance with good industrial hygiene and safety practice.

Engineering Measures:

Ensure adequate ventilation, especially in confined areas.

Environmental Exposure Controls:

The product should not be allowed to enter drains, water courses or the soil.

Personal protective equipment

Eye/face Protection:	Safety glasses with side-shields conforming to appropriate government standards.
Hand Protection:	Handle with gloves (latex or nitrile). Inspect gloves before handling material. Remove carefully so as to avoid contaminating skin.
Skin and body protection:	Wear suitable protective clothing where the type will depend on the possible contaminant concentrations.
Respiratory protection:	Where risk assessment suggests respirator is needed due to poor engineering measures, use a full face respirator of appropriate local quality.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Botanical name:	<i>kunzea ambigua</i> .
Aspect (@20° C):	Mobile, viscous oil.
Appearance:	Colourless to pale yellow.
Shelf Life:	3 years from date of manufacture if stored in original, unopened containers in a cool environment.
Specific Gravity at 20 °C (g/cm³):	0.8890-0.9120
Optical Rotation at 20 °C (α):	12.00-22.00
Refractive Index at 20 °C:	1.4690-1.4800
Process:	Steam distillation of leaf and twigs of <i>kunzea ambigua</i> plant.
Flash Point (ASTM D92):	39°C
Solubility:	Soluble in 95% ethanol.

9.2. Other Information

No data available

10. STABILITY & REACTIVITY

10.1. Reactivity

Dangerous reactions: No dangerous reactions known if kept in accordance with recommended conditions (section 7.2) and according to relevant identified uses (section 1.2).

10.2. Chemical stability

Stable product if kept in accordance with the recommended conditions (section 7.2) and the relevant identified uses (section 1.2).

10.3. Possibility of hazardous reactions

No unstable or dangerous substances formed in decomposition, if kept according to the recommendations of section 7.2 and according to the relevant identified uses under section 1.2.

10.4. Conditions to avoid

Avoid exposure to high temperatures, flames, sparks and exposure to air or moisture over prolonged periods.

10.5. Incompatible materials

Strongly oxidizing agents.

10.6. Hazardous/decomposition products

No data available

11. TOXICOLOGICAL INFORMATION

11.1. Acute toxicological information

Acute Toxicity:

No Data available

Respiratory or skin sensitisation

No data available

Serious eye damage/eye irritation

No data available

Skin corrosion/irritation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity – single exposure

No data available

Specific target organ toxicity – repeat exposure

No data available

Aspiration hazard

No data available

Additional information

No data available

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Do not allow the product to enter the ground water or drains. Even diluted quantities may cause long lasting effects to aquatic life.

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 assessments

This substance does not have a PBT or vPvB classification to the best of our knowledge, as the chemical safety assessment is not required/conducted.

12.6. Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products:

Do not flush residual waste product into the sewers or ground water. Dispose of in accordance of legal requirements regarding environmental protection and regarding disposal of waste as well as the requirements of any local authorities. Surplus and not recyclable products to be eliminated by an authorized waste collection company only.

Contaminated packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

Labels Required:



IMDG, ADR, IATA

Proper shipping name Extracts Aromatic Liquids
Hazard class 3
UN/ID No 1169
Environmental Hazard
Packing Group III
Special Provisions -

15. REGULATORY INFORMATION

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

Classification according to the directive EU 67/548.EEC and 1999/45/CE.

International Inventories

TSCA -
EINECS/ELINCS -
DSL/NDSL -
PICCS -
ENCS -
IENSC -
AICS -
KECL -

Legend

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory.

EINECS/ELINCS – European Inventory of Existing Chemical Substances/EU List of Notified Chemical Substances.

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List.

PICCS – Philippines Inventory of Chemicals and Chemical Substances.

ENCS – Japan Existing and New Chemical Substances.

IECSC – China Inventory of Existing Chemical Substances.

AICS – Australian Inventory of Chemical Substances.

KECL – Korean Existing and Evaluated Chemical Substances.

15.2. Chemical safety assessment





No data available.



16. OTHER INFORMATION

Hazardous substance or mixture according to the Globally Harmonised System (GHS).

Hazardous according to IATA regulations. Restricted airfreight transport.

Classification of the substance or mixture

Hazard class	Category	Signal Word	Pictogram
Flammable liquids	Category 3	Warning	
Aspiration Hazard	Category 1	Warning	
Skin corrosion/irritation	Category 2	Warning	
Skin sensitization	Category 1	Warning	

Serious eye damage/eye irritation	Category 2A	Warning	
Hazardous to the aquatic environment, long term hazard	Category 1	Warning	

Classification according to EU Directives 67/548/EEC or 1999/45/EC

This MSDS complies with the requirements of Regulation (EC) No. 1907/2006.

Preparation according to WHS and ADG requirements and according to GHS 8.

Revision: 3rd November 2022,

Main areas of review include section 3, 9 and 14 with minor updates throughout.

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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End of Safety Data Sheet