

Eucalyptus smithii SDS

Section 1: Product name and Identification

1.1 Product Name Eucalyptus smithii oil

Trade names and synonyms Eucalyptus smithii leaf oil

EC-No: 294-962-0

N° CAS EINECS: 91771-68-5

1.2 Relevant identified uses of the substances or mixture

Fragrant and/or flavour substance

1.3 Biological definition: Eucalyptus smithii oil is an essential oil obtained from hydrodistillation of the leaves of the plant, *Eucalyptus smithii* (F.Muell. ex R.T.Baker).

1.4 Details of the supplier of the safety data sheet

Company Name: Ayanda African Oils (Pty) Ltd

Company Address: Windermere Farm, Emoyeni, 3800, South Africa

Date Issued: 26/09/2018

Emergency Telephone Number: +27 353407008, +27 84 4071570, +27 84 6228811

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Section 2: Hazard Identification

Ayanda African Oils (Pty)
Reg No: 2017/655786/07
VAT no: 4040281596
Tel. Number: +27 +35 3407008





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2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008	Category	
Flammable liquids Flam. Liq. 3 (FL 3)	Category 3	H226
Asp. Tox. 1 (AH 1)	Category 1	H304
Skin Sens. 1 (SS 1)	Category 1	H317
Aquatic Chronic 2 (EH C2)	Category 2	H411

2.1.2 - Additional information

CLP* classification system : According to Regulation (EC) n° 1272/2008 and appendices, and the current version of IFRA* / IOFI* Labelling Manual.

Information taken from specialist publications and information in the company's possession is also taken into account. Other hazards :See the recommendations concerning the storage of classified products .

For the full text of risk phrases, hazard classes and categories, and H and EUH hazard statements, see section 16.





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2.2 Label elements (EC 1272/2008):

Hazardous pictogram(s)



GHS07



GHS08



GHS09



GHS02

Hazard Statements

H226 - Flammable liquid and vapour

H304 - May be fatal if swallowed and enters airways

H317 - May cause an allergic skin reaction

H411 - Toxic to aquatic life with long-lasting effects

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Signal word

Danger

2.5 Precautionary statements

P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking

P273 - Avoid release to the environment

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

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor, physician.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P501 - Dispose of contents/the container in accordance with current legislation.

Additional Hazard information

Not regulated

2.3 - Other hazards

CMR* substances not requiring classification : None

Allergens (according to Annex III of Regulation(EC) N°1223/2009):

Linalool (<= 1,00%), Geraniol (<= 0,50%)



Section 3: Composition/Information on ingredients

Chemical name	EC-No	CAS-No	Weight percent	Classification (67/548/EEC)	GHS Classification (EC 1272/2008)	REACH Registration Number
*Gamma Terpinene	202-794-6	99-85-4	Less than 3%	FL;R10 Xn;R65 Xi;R38 R43 N;R50/53;	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam Liq. 3 (H226)	no data available
*Eucalyptol	207-431-5	470-82-6	70%-90%	FL;R10 Xi,Xn;R36;N	H303 H316 H319 Flam Liq. 3 (H226)	no data available





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*Paracymene	202-796-7	99-87-6	1-3%	FL;R10 Xn;R65 N;R51/53	Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) Flam Liq. 3 (H226)	no data available
*Alpha Terpineol	202-680-6	98-55-5	1-5	Xi;R38	Skin Irrit. 2 (H315)	no data available
*Alpha Pinene	201-291-9	80-56-8	1%-10%	FL;R10 Xn;R65 Xi;R43 N;R50/53	Asp. Tox. 1 (H304) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam Liq. 3 (H226)	no data available
Linalool	201-134-4	78-70-6	Less than 1%	Xi R36/R37/R38	Skin Irrit. 2 (H315) Eye Irrit.2 (H319)	no data available

For the full text of the Hazard Statements mentioned in this Section, See Section 16



Section 4: First Aid measures

4.1 Discription of First aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance

Eye contact: Wash eyes by normal first aid procedures for at least 15 minutes and consult a physician. If you wear contact lenses, rinse your eyes immediately. The lenses will probably fall out during rinsing. If not, remove them after rinsing. Do not put them back in. If you wear soft contact lenses, throw them away even if new. Hard contact lenses may be used again after proper cleaning by an eyecare professional.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes

Ingestion: Clean mouth with water, call a POISON CENTRE or physician. If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head low down to prevent aspiration into the lungs.

Inhalation: Inhalation may cause coughing, tightness of chest and irritation of the respiratory system. Remove person to ventilated area and follow normal first aid procedures. Perform artificial respiration if breathing has stopped

Notes to physician: Treat symptomatically

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in labelling see section 2.2 and/or section 11

4.3 Indication of any immediate medical attention and special treatment needed

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No special treatment necessary. Symptomatic treatment required. Contact a poison specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use alcohol-resistant foam, dry chemical or carbon dioxide. Do not use direct injection of water.

5.2 Special hazards arising from the substances or mixtures

Possible production of toxic fumes under fire.

5.3 Unusual fire and Explosion Hazards

None, material is not pyrophoric, does not react with water, not an oxygen donor, material is shock stable

5.4 Advice for fire-fighters

Cool container exposed to the flame with water fog. Fire fighters should wear positive pressure self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Do not attempt to fight the fire with water, which tends to feed rather than smother the flames.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

For personal protection see section 8.



6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains, water courses or onto the ground.

See Section 12 for additional Ecological Information

6.3 Methods and materials for containment and cleaning up

Small spills can be wiped up with paper rags (placed in closed metal waste container). Large spill: contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Large spills can also be collected with non combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and placed in metal container for disposal according to local/National regulations (see section 13).

7. Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Handle in accordance with good industrial hygiene and safety practise.

For precautions see section 2.5

7.2 Conditions for safe storage, including any incompatibilities





Store in cool place, keep container tightly closed in a dry and well-ventilated place. Store away from direct sunlight.

Store in stainless steel container, opaque glass container or Fluorinated HDPE container.

Stabilizers : Store under a nitrogen blanket if possible.

Air and light sensitive.

Storage class (TRGS 510): Combustible liquids

7.3 Specific end use(s)

Apart from the mentioned in section 1.2 no other specific uses are stipulated

Section 8. Exposure controls/ Personal protection

8.1 Control parameters

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure control

Engineering measures: Ensure adequate ventilation, especially in confined areas

Eye protection: Tightly fitting safety goggles

Hand protection: Protective gloves

Skin and body protection: Wear suitable protective clothing

Respiratory protection: In cases of insufficient ventilation wear suitable respiratory equipment, otherwise none under normal use conditions

Hygiene measures: Handle in accordance with good industrial hygiene and safety practise

Environmental exposure controls The product should not be allowed to enter drains, water courses or the soil

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Section 9: Physical and chemical properties

Information on basic physical and chemical properties

a) Appearance	Form: liquid
	Colour: clear to orange
b) Odour	Characteristic note of Cineole
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezingpoint	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	+44 °C (closed cup)
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	Greater than air
m) Relative density	0,900 to 0,920 g/cm ³
n) Water solubility	insoluble
o) Partition coefficient: noctanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available





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t) Oxidizing properties	No data available
u) Specific gravity (@ 20°C)	0.900 – 0.920
v) Refractive Index (@ 20°C)	1.460 – 1.470
w) Optical rotation (@ 20°C)	+0° to +15°

Section 10: Stability and reactivity:

10.1 Reactivity	Material does not react with water
10.2 Chemical stability	Stable under normal circumstances
10.3 Possibility of hazardous reactions:	No data available
10.4 Conditions to avoid	Heat, flames and sparks. Exposure to air or moisture over prolonged periods
10.5 Incompatible materials	Strong oxidising agents, PVC
10.6 Hazardous decomposition products	May produce toxic gases (hydrocarbons, carbon oxide) upon burning

Section 11: Toxicological information

Potential health effects

<i>Inhalation</i>	May be fatal if swallowed and enters airways.
<i>Eye contact</i>	None known
<i>Skin contact</i>	No significant effects or critical hazards
<i>Ingestion</i>	None known
<i>Germ cell mutagenicity</i>	None known



Information on toxicological effects

Acute toxicity:

LD50 Oral – Not known

LD50 Dermal – Not known

Carcinogenicity

No significant effects or critical hazards.

Reproductive toxicity

No data available

Specific target organ toxicity – single exposure

Inhalation May cause respiratory irritation

Specific target organ toxicity – repeated exposure

No data available

Section 12: Ecological information

Toxicity

Danger to the aquatic environment according to Regulation (EC) n° 1272/2008). Toxic to aquatic life with long lasting effects.

Persistence and degradability

No data available



Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment To our knowledge, no such assessment has been carried out on this product to date.

Other adverse effects

No data available

Section 13 Disposal considerations

Product

Small spills can be wiped up with paper rags (placed in closed metal waste container). Large spill: contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Large spills can also be collected with non combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and placed in metal container for disposal according to local/National regulations. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solution to a licensed disposal company.

Contaminated packaging





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

Section 14 Transport information

Sea (IMDG)

Proper shipping name	Extract, aromatic, Liquid
Hazardous class	3
UN/ID No	1169
Packing group	III

Land (ADR)

Proper shipping name	Extract, aromatic, Liquid
Hazardous class	3
UN/ID No	1169
Packing group	III

Air (IATA)

UN/ID No	1169
Proper shipping name	Extract, aromatic, Liquid
Hazardous class	3
Packing group	III

Section 15 Regulatory information

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The regulatory information given in this section is intended merely as a reminder of the main provisions that apply specifically to the product covered by the MSDS.

The original EU texts mentioned are updated and transcribed into national law.

You are recommended to refer to all local, national and international measures and provisions that might apply.

You are alerted to the possible existence of provisions other than those referred to in this document.

Chemical safety assessment: To our knowledge, no such assessment has been carried out on this product to date.

Section 16

ADR/RID : Agreement on Dangerous Goods by Road / Regulations concerning the Intl Transport of Dangerous Goods by Rail

CLP : Classification Labelling Packaging

CMR : Carcinogenic, Mutagenic, Reprotoxic

DNEL : Derived No Effect Level

DSD : Dangerous Substances Directive

IATA-DGR : International Air Transport Association - Dangerous Goods Regulations

ICCT : Ilo Chemical Control Toolkit

ICAO-TI : International Civil Aviation Organization - Technical Instructions

IFRA : International Fragrance Association

IMDG : International Maritime Dangerous Goods

GC : Gas Chromatography

PBT : Persistent Bioaccumulating Toxicants

PNEC : Predicted No Effect Concentration

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RIFM : Research Institute for Fragrance Materials

STOT : Specific Target Organ Toxicity

vPvB : Very Persistent and Very Bioaccumulative substance

Issuing date: 26/08/2018

Revision Date:

Revision Note: not applicable

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a 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

