



**AMPHORA AROMATICS
LIMITED**

essential oils, skincare & aromatherapy products

SAFETY DATA SHEET

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

PRODUCT NAME: Lemon Eucalyptus Essential Oil

SUPPLIER: Amphora Aromatics Ltd, 36 Cotham Hill, Cotham, Bristol BS6 6LA

Telephone +44 (0)117-9087770.

PRODUCT NUMBER: 126

CAS NUMBER: 8000-48-4 / 85203-56-1

EC NUMBER: 286-249-8

INCI: Eucalyptus Citriodora Oil

IDENTIFIED USES: Suitable for use in cosmetics, fragrances, flavourings and professional applications only.

BIOLOGICAL DEFINITION: Eucalyptus Citriodora Oil is the volatile oil obtained from Eucalyptus citriodora, Myrtaceae.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CAS: 8000-48-4 / 85203-56-1

EC: 286-249-8

CLASSIFICATION (EC No 1272/2008):

PHYSICAL HAZARDS:

Not classified.

HEALTH HAZARDS:

Skin Irrit. 2 - H315;

Skin Sens. 1 - H317;

Eye Irrit. 2 - H319

ENVIRONMENTAL HAZARDS:

Aquatic Chronic 2 - H411

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

WARNING

HAZARD STATEMENTS:

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:

P261 Avoid breathing mist/vapours/spray.

P273 Avoid release to the environment.

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

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

SDS: 126 Lemon Eucalyptus Essential Oil

Compiled by: Johndan Chilcott, Regulatory Affairs - Approved by Woody Evans, Director – Date: 17/04/2019 – Version: 2



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PRECAUTIONARY STATEMENTS	P337+P313 If eye irritation persists: Get medical advice/attention. P391 Collect spillage. P501 Dispose of contents in accordance with local, state or national legislation.
CONTAINS:	P264 Wash hands and exposed skin thoroughly after handling. P362+P364 Take off contaminated clothing. And wash it before reuse. Citronellal.

3: COMPOSITION/INFORMATION ON INGREDIENTS

70.0 – 85.0% Citronellal

CAS NUMBER: 106-23-0	EC NUMBER: 203-376-6
CLASSIFICATION (EC 1272/2008):	Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Eye Irrit. 2 H319, Aquatic Chronic 2 - H411

<10.0% Citronellol

CAS NUMBER: 106-22-9	EC NUMBER: 203-375-0
CLASSIFICATION (EC 1272/2008):	Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Eye Irrit. 2 - H319

3.0 – 10.0% Iso Pulegol

CAS NUMBER: 89-79-2	EC NUMBER: 203-375-0
CLASSIFICATION (EC 1272/2008):	Acute Tox. 4 - H302 Skin Irrit. 2 H315 Eye Irrit. 2 H319

0.01– 5.0% Neo Iso Pulegol

CAS NUMBER: 96612-21-4	EC NUMBER: -
CLASSIFICATION (EC 1272/2008):	Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

0.01– 4.0% 6-Methylhept-5-en-2-one

CAS NUMBER: 110-93-0	EC NUMBER: 203-816-7
CLASSIFICATION (EC 1272/2008):	Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

0.01 – 3.0% Citronellyl Acetate

CAS NUMBER: 150-84-5	EC NUMBER: 205-775-0
CLASSIFICATION (EC 1272/2008):	Skin Irrit. 2 - H315 Aquatic Chronic 2- H411

0.01– 2.0% beta-Caryophyllene

CAS NUMBER: 87-44-5	EC NUMBER: 201-746-1
CLASSIFICATION (EC 1272/2008):	Asp. Tox. 1-H304 Skin Sens. 1B- H317



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0.01 -2.0% alpha-Pinene

CAS NUMBER: 80-56-8

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 201-291-9

Flam. Liq. 3 - H226

Acute Tox. 4 H302

Asp. Tox. 1 - H304

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Aquatic Acute 1- H400

Aquatic Chronic 1 H410

0.01 – 1.0% cis-beta-Ocimene

CAS NUMBER: 3338-55-4

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 222-081-3

Flam. Liq. 3 - H226

Asp. Tox. 1- H304

0.01 – 1.0% alpha-Terpinolene

CAS NUMBER: 586-62-9

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 209-578-0

Asp. Tox. 1- H304

Skin Sens. 1B - H317

Aquatic Acute 1- H400,

Aquatic Chronic 1- H410

0.01 – 1.0% Myrcene

CAS NUMBER: 123-35-3

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 204-622-5

Flam. Liq. 3 - H226

Asp. Tox. 1- H304

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319,

Aquatic Acute 1- H400

Aquatic Chronic 1- H410

0.01– 1.0% Linalool

CAS NUMBER: 126-91-0

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 204-811-2

Skin Sens. 1B - H317

0.01 -1.0% d-Limonene

CAS NUMBER: 5989-27-5

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 227-813-5

Flam. Liq. 3 - H226,

Asp. Tox. 1 - H304

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

≤ 0.05 Methyl Eugenol

CAS NUMBER: 93-15-2

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 202-223-0

Acute Tox. 4- H302

Muta. 2 - H341

Carc. 2 - H351

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.



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4: FIRST AID MEASURES

INHALATION:	Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical advice/attention if any discomfort continues.
INGESTION:	Ingestion may cause nausea and vomiting. Get medical advice/attention if irritation or symptoms persist. Do not induce vomiting.
SKIN CONTACT:	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical advice/attention if any discomfort continues.
EYE CONTACT:	Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical advice/attention.

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:	Carbon dioxide (CO ₂), dry chemical or foam.
UNSUITABLE EXTINGUISHING MEDIA	Do not use water jet as an extinguisher, as this may scatter and spread fire.
SPECIAL HAZARDS ARISING FROM THE PRODUCT:	When heated and in case of fire, irritating vapours/gases may be formed.
ADVICE FOR FIREFIGHTERS:	Special Fire Fighting Procedures Water spray should be used to cool containers. Protective equipment for fire-fighters Wear full protective clothing. Wear suitable respiratory equipment when necessary.

6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
ENVIRONMENT PRECAUTIONS:	Do not discharge into drains, water courses or onto the ground.
CLEANING UP METHODS FOR SPILLAGES:	Absorb with liquid binding material e.g. sand, diatomaceous earth. Collect in closed and suitable containers for disposal. Prevent any material from entering drains or waterways. Wash spill site after removal with a detergent.

7: HANDLING AND STORAGE

USAGE PRECAUTIONS:	Avoid spilling, skin and eye contact.
STORAGE PRECAUTIONS:	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Protect from light, including direct sunrays. Keep away from heat, sparks and open flame.



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8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Alpha Pinene (CAS: 80-56-8)

DNEL

- Workers - Inhalation; Long term systemic effects: 3.8 mg/m³
- Workers - Dermal; Long term systemic effects: 0.54 mg/kg, bw/day
- General population - Inhalation; Long term systemic effects: 0.67 mg/m³
- General population - Dermal; Long term systemic effects: 0.19 mg/kg, bw/day
- General population - Oral; Long term systemic effects: 0.19 mg/kg, bw/day

PNEC

- Fresh water; Short term 0.606 mg/l
 - Fresh water, Intermittent release; 3.03 mg/l
 - Marine water; Short term 0.061 mg/l
 - Intermittent release, Marine water; 0.303 mg/l
 - STP; Short term 0.2 mg/l
 - Sediment (Fresh water); Short term 157 mg/kg
 - Sediment (Marine water); Short term 15.7 mg/kg
 - Soil; Short term 31.7 mg/kg
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Citronellyl Acetate (CAS: 150-84-5)

DNEL

- Workers - Inhalation; Long term systemic effects: 17 mg/m³
- Workers - Dermal; Long term systemic effects: 4.8 mg/kg, bw/day
- General population - Inhalation; Long term systemic effects: 4.2 mg/m³
- General population - Dermal; Long term systemic effects: 2.4 bw/day, mg/kg
- General population - Oral; Long term systemic effects: 2.4 bw/day, mg/kg

PNEC

- Fresh water; Short term 0.003 mg/l
 - Fresh water, Intermittent release; 0.035 mg/l
 - Marine water; Short term 0 mg/l
 - STP; Short term 10 mg/l
 - Sediment (Fresh water); Short term 0.851 mg/kg
 - Sediment (Marine water); Short term 0.085 mg/kg
 - Soil; Short term 0.168 mg/kg
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alpha -Terpinolene (CAS: 586-62-9)

DNEL

- Workers - Inhalation; Long term systemic effects: 3.6 mg/m³
- Workers - Dermal; Long term systemic effects: 0.52 bw/day, mg/kg
- General population - Inhalation; Long term systemic effects: 0.9 mg/m³
- General population - Dermal; Long term systemic effects: 0.26 bw/day, mg/kg
- General population - Oral; Long term systemic effects: 0.26 bw/day, mg/kg

PNEC

- Fresh water; Short term 0.634 mg/l
 - Intermittent release, Fresh water; Short term 0.634 mg/l
 - Marine water; Short term 0.063 mg/l
 - STP; Short term 0.2 mg/l
 - Sediment (Freshwater); Short term 14.7 mg/kg
 - Sediment (Marine water); Short term 14.7 mg/kg
 - Soil; Short term 29.1 mg/kg
-

Myrcene (CAS: 123-35-3)

DNEL

- Workers - Dermal; Long term systemic effects: 0.83 mg/kg
- Workers - Inhalation; Long term systemic effects: 5.83 mg/m³
- General population - Dermal; Long term systemic effects: 0.42 mg/kg
- General population - Inhalation; Long term systemic effects: 1.25 mg/m³

PNEC

- STP; 0.2 mg/l
 - Soil; 1.015 mg/kg
 - Fresh water; 0.00028 mg/l
 - Marine water; 0.0008 mg/l
 - Sediment (Freshwater); 5.022 mg/kg
 - Sediment (Marine water); 0.502 mg/kg
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PROTECTIVE EQUIPMENT:



APPROPRIATE ENGINEERING CONTROLS:

Provide eyewash station.
Provide adequate ventilation to minimise the risk of inhalation of vapours.

EYE/FACE PROTECTION:

If risk of splashing, wear safety goggles in accordance with standard EN166.

HAND PROTECTION:

Wear suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

OTHER SKIN AND BODY PROTECTION:

Wear appropriate clothing to prevent any possibility of skin contact.
Wear apron or protective clothing in case of splashes.
Use personal protection according to Directive 89/686/EEC.



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HYGIENE MEASURES:	Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using, do not eat, drink or smoke.
RESPIRATORY PROTECTION:	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
ENVIRONMENTAL EXPOSURE CONTROLS:	Avoid discharging into drainage water. Only eliminate by authorised companies.

9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear liquid pale yellow to greenish yellow.
COLOUR:	Pale yellow to greenish yellow.
ODOUR:	Characteristic.
FLASH POINT °C:	73 - 74 CC (Closed cup)
SPECIFIC GRAVITY @ 20°C:	0.868
REFRACTIVE INDEX @ 20°C:	1.458
MELTING POINT °C:	No additional data available.
BOILING POINT °C:	No additional data available.
VAPOUR PRESSURE	No additional data available.
SOLUBILITY IN WATER @ 20°C:	Insoluble in water.
AUTO-IGNITION TEMPERATURE:	No additional data available.

10: STABILITY AND REACTIVITY

REACTIVITY:	Presents no significant reactivity hazards. Stable under normal temperature conditions and recommended use.
CHEMICAL STABILITY	Stable under the recommended handling and storage conditions.
POSSIBLE HAZARDOUS REACTIONS	Not expected under normal conditions of use.
CONDITIONS TO AVOID	Avoid extreme heat and direct sunlight
INCOMPATIBLE MATERIALS	Avoid contact with strong acids, alkalis or oxidising agents
HAZARDOUS DECOMPOSITION PRODUCTS	Not expected under normal temperature conditions and recommended use. Thermal decomposition may release/form oxides of carbon (carbon monoxide, carbon dioxide) and other toxic gases

11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Not classified.
SKIN CORROSION / IRRITATION:	Causes skin irritation.
SERIOUS EYE DAMAGE / IRRITATION:	Causes serious eye irritation.
RESPIRATORY OR SKIN SENSITISATION:	Skin - May cause an allergic skin reaction.
GERM CELL MUTAGENICITY:	Not classified. However, product contains a substance suspected of causing genetic defects
CARCINOGENICITY:	Not classified. However, product contains a substance suspected of causing cancer.
REPRODUCTIVE TOXICITY:	Not classified



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STOT-SINGLE EXPOSURE:	Not classified
STOT-REPEATED EXPOSURE:	Not classified
ASPIRATION HAZARD:	Not classified
PHOTO-TOXICITY:	No additional data available.
OTHER INFORMATION:	No additional data available.

12: ECOLOGICAL INFORMATION

ECOTOXICITY:	Toxic to aquatic life with long lasting effects.
PERSISTENCE AND DEGRADABILITY:	No additional data available.
BIOACCUMULATIVE POTENTIAL:	No additional data available.
MOBILITY IN SOIL:	No additional data available.
RESULTS OF PBT AND VPVB ASSESSMENT:	No additional data available.
PRECAUTIONS:	Do not allow product to enter streams, sewers or other waterways.

13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Dispose of in compliance with all local and national regulations.
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14: TRANSPORT INFORMATION

UN No. ROAD:	3082
UN No. SEA:	3082
UN No. AIR:	3082
PROPER SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.

TRANSPORT HAZARD CLASS(ES):

ADR/RID/ADN CLASS: 9 Miscellaneous dangerous substances and articles.

IMDG CLASS: 9

ICAO CLASS/DIVISION: 9



PACKING GROUP:

ADR/RID/ADN PACKING GROUP: III

IMDG PACKING GROUP: III

ICAO PACKING GROUP: III

ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT: Environmentally Hazardous Substance/Marine Pollutant.



TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE: No additional data available.



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15: REGULATORY INFORMATION

STATUTORY INSTRUMENTS:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716)

EU LEGISLATION:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

GUIDANCE:

Workplace Exposure Limits EH40. CHIP for everyone HSG (108)

16: OTHER INFORMATION

HAZARD AND/OR PRECAUTIONARY
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 skin reaction.
H319 Causes serious eye irritation.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.
Retest after 6 months.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.