



**AMPHORA AROMATICS  
LIMITED**

**essential oils, skincare & aromatherapy products**

**SAFETY DATA SHEET**

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

PRODUCT NAME: Palmarosa Essential Oil

SUPPLIER: Amphora Aromatics Ltd, 36 Cotham Hill, Cotham, Bristol BS6 6LA  
Telephone +44 (0)117-9087770.

PRODUCT NUMBER: 134

CAS NUMBER: 84649-81-0

EC NUMBER: 283-461-2

INCI: Cymbopogon martini Oil

IDENTIFIED USES: Concentrated material for manufacturing purposes only.

**2: HAZARDS IDENTIFICATION**

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CAS: 84649-81-0

EC: 283-461-2

PHYSICAL HAZARDS:

Not Classified

HEALTH HAZARDS:

Skin Irrit. 2 - H315

Eye Dam. 1 - H318

Skin Sens. 1 - H317

ENVIRONMENTAL HAZARDS:

Aquatic Chronic 3 - H412

CLASSIFICATION (67/548/EEC OR 1999/45/EC): Xi; R41, R38. R52/53, R43

**LABEL ELEMENTS**

PICTOGRAM:



SIGNAL WORD:

DANGER

HAZARD STATEMENTS:

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

PRECAUTIONARY STATEMENTS:

P261 Avoid breathing vapour/spray.

P264 Wash contaminated skin 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/face protection.

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

SDS: 134 Palmarosa Oil

Compiled by: Johndan Chilcott, Regulatory Affairs - Approved by Woody Evans, Director - Date: 25/03/2019 - Version: 3



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

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see medical advice on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

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

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with national regulations

CONTAINS:

GERANIOL, GERANYL ACETATE, CITRAL, FARNESOL, LIMONENE

**3: COMPOSITION/INFORMATION ON INGREDIENTS**

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**60 - 100% GERANIOL**

CAS NUMBER: 106-24-1

EC NUMBER: 203-377-1

CLASSIFICATION:

Skin Irrit. 2 - H315

Eye Dam. 1 - H318

Skin Sens. 1 - H317

CLASSIFICATION (67/548/EEC OR 1999/45/EC):

Xi;R38,R41. R43.

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**10 - 30% GERANYL ACETATE**

CAS NUMBER: 105-87-3

EC NUMBER: 203-341-5

CLASSIFICATION:

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Aquatic Chronic 2 - H411

CLASSIFICATION (67/548/EEC OR 1999/45/EC):

Xi; R38. N; R51/53. R43

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**1 - 5% LINALOOL**

CAS NUMBER: 78-70-6

EC NUMBER: 201-134-4

CLASSIFICATION:

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

CLASSIFICATION (67/548/EEC OR 1999/45/EC):

Xi; R36/38

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**1 - 5% BETA-CARYOPHYLLENE**

CAS NUMBER: 87-44-5

EC NUMBER: 201-746-1

CLASSIFICATION:

Asp. Tox. 1 - H304

CLASSIFICATION (67/548/EEC OR 1999/45/EC):

Xn; R65

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**1 - 5% CITRAL**

CAS NUMBER: 5392-40-5

EC NUMBER: 226-394-6

CLASSIFICATION:

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

Skin Sens. 1 - H317

CLASSIFICATION (67/548/EEC OR 1999/45/EC):

Xi; R36/38. R43

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**1 – 5% FARNESOL**

CAS NUMBER: 4602-84-0

EC NUMBER: 225-004-1

CLASSIFICATION:

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

Skin Sens. 1B - H317

CLASSIFICATION (67/548/EEC OR 1999/45/EC):

Xi; R36/38. R43

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**1.5 % LIMONENE**

CAS NUMBER: 138-86-3

EC NUMBER: 205-341-0

M FACTOR (ACUTE) = 1

M FACTOR (CHRONIC) = 1

CLASSIFICATION:

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Asp. Tox. 1 - H304

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

CLASSIFICATION (67/548/EEC OR 1999/45/EC):

Xn; R65. Xi; R38. N; R50/53. R10, R43

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

**4: FIRST AID MEASURES**

INHALATION:

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION:

Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.

SKIN CONTACT:

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.

EYE CONTACT:

Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

GENERAL INFORMATION:

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. See Section 11 for additional information on health hazards.

NOTES FOR THE DOCTOR:

No specific recommendations.

**5: FIREFIGHTING MEASURES**

EXTINGUISHING MEDIA RECOMMENDED:

Extinguish with the following media: Foam, carbon dioxide or dry powder.

UNSUITABLE EXTINGUISHING MEDIA:

Water.

SPECIAL HAZARDS ARISING FROM THE  
SUBSTANCE OR MIXTURE:

Toxic gases or vapours.

ADVICE FOR FIREFIGHTERS:

Containers close to fire should be removed or cooled with water. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.



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**6: ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS:

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage.

ENVIRONMENT PRECAUTIONS:

Do not discharge into drains or watercourses or onto the ground.

CLEANING UP METHODS FOR SPILLAGES:

Keep combustible materials away from spillage. Eliminate all sources of ignition. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash thoroughly after dealing with a spillage.

**7: HANDLING AND STORAGE**

USAGE PRECAUTIONS:

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing.

OCCUPATIONAL HYGIENE:

Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet.

STORAGE PRECAUTIONS:

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

**8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

PROTECTIVE EQUIPMENT:



APPROPRIATE ENGINEERING CONTROLS:

Provide adequate ventilation.

EYE/FACE PROTECTION:

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

HAND PROTECTION:

OTHER SKIN AND BODY PROTECTION:

Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

HYGIENE MEASURES:

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

RESPIRATORY PROTECTION:

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

ENVIRONMENTAL EXPOSURE CONTROLS:

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.



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**9: PHYSICAL AND CHEMICAL PROPERTIES**

|                          |                                      |
|--------------------------|--------------------------------------|
| APPEARANCE:              | Liquid.                              |
| COLOUR:                  | Colourless to pale yellow. / Orange. |
| ODOUR:                   | Characteristic.                      |
| FLASH POINT °C:          | 100                                  |
| SPECIFIC GRAVITY @ 20°C: | ~ 0.889                              |
| REFRACTIVE INDEX @ 20°C: | ~ 1.473                              |

**10: STABILITY AND REACTIVITY**

|                                     |  |
|-------------------------------------|--|
| STABILITY:                          | Stable at normal ambient temperatures.   |
| POSSIBILITY OF HAZARDOUS REACTIONS: | Will not polymerise.   |
| CONDITIONS TO AVOID                 | Avoid heat, flames and other sources of ignition.  |
| MATERIALS TO AVOID                  | Strong oxidising agents. Strong acids. Strong alkalis.   |
| HAZARDOUS DECOMPOSITION PRODUCTS    | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. |

**11: TOXICOLOGICAL INFORMATION**

|               |  |
|---------------|--|
| EYE CONTACT:  | Causes serious eye damage.                                       |
| SKIN CONTACT: | Causes skin irritation. May cause sensitisation by skin contact. |

**12: ECOLOGICAL INFORMATION**

|              |  |
|--------------|--|
| ECOTOXICITY: | Harmful to aquatic life with long lasting effects. |
|--------------|--|

**ECOLOGICAL INFORMATION ON INGREDIENTS**

**LIMONENE**

**ACUTE AQUATIC TOXICITY**

LE(C)<sub>50</sub>: 0.1 < L(E)C50 ≤ 1

M FACTOR (ACUTE): 1

**CHRONIC AQUATIC TOXICITY**

M FACTOR (CHRONIC): 1

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|                                     |   |
|-------------------------------------|---|
| PERSISTENCE AND DEGRADABILITY:      | The product is expected to be biodegradable.                                |
| BIOACCUMULATIVE POTENTIAL:          | The product does not contain any substances expected to be bioaccumulating. |
| MOBILITY IN SOIL:                   | The product is insoluble in water.  |
| RESULTS OF PBT AND vPvB ASSESSMENT: | This product does not contain any substances classified as PBT or vPvB.     |

**13: DISPOSAL CONSIDERATIONS**

|                   |  |
|-------------------|--|
| DISPOSAL METHODS: | Dispose of waste product or used containers in accordance with local regulations |
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**14: TRANSPORT INFORMATION**

|   |                                     |
|---|-------------------------------------|
| UN No. ROAD:  | Not applicable.                     |
| UN No. SEA:   | Not applicable.                     |
| UN No. AIR:   | Not applicable.                     |
| PROPER SHIPPING NAME:   | Not applicable.                     |
| TRANSPORT HAZARD CLASS(ES):   | No transport warning sign required. |
| PACKING GROUP:  | Not applicable.                     |
| ENVIRONMENTALLY HAZARDOUS<br>SUBSTANCE/MARINE POLLUTANT:                    | No.                                 |
| TRANSPORT IN BULK ACCORDING TO ANNEX II<br>OF MARPOL73/78 AND THE IBC CODE: | Not applicable.                     |

**15: REGULATORY INFORMATION**

|                 |  |
|-----------------|--|
| EU LEGISLATION: | Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).<br>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) (as amended). |
| GUIDANCE:       | Workplace Exposure Limits EH40.  |

**16: OTHER INFORMATION**

|                           |  |
|---------------------------|--|
| RISK PHRASES IN FULL      | R10 Flammable.<br>R36/38 Irritating to eyes and skin.<br>R38 Irritating to skin.<br>R41 Risk of serious damage to eyes.<br>R43 May cause sensitisation by skin contact.<br>R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.<br>R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.<br>R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.<br>R65 Harmful: may cause lung damage if swallowed. |
| HAZARD STATEMENTS IN FULL | H226 Flammable liquid and vapour.<br>H304 May be fatal if swallowed and enters airways.<br>H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H318 Causes serious eye damage.<br>H319 Causes serious eye irritation.   |

SDS: 134 Palmarosa Oil

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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.

H412 Harmful 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.