



**AMPHORA AROMATICS  
LIMITED**

**essential oils, skincare & aromatherapy products**

**SAFETY DATA SHEET**

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

PRODUCT NAME: **Galangal Root Oil**

SUPPLIER: Amphora Aromatics Limited, Airfield House, Western Drive, Bristol, BS14 0AF

TELEPHONE: +44 (0)117-9087770.

PRODUCT NUMBER: **117**

IDENTIFIED USES: Concentrated material for manufacturing purposes only.

**2: HAZARDS IDENTIFICATION**

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**CLASSIFICATION (EC 1272/2008):**

- PHYSICAL HAZARDS: Not Classified
- HEALTH HAZARDS: Skin Irrit. 2 - H315  
Skin Sens. 1 - H317  
Asp. Tox. 1 - H304
- ENVIRONMENTAL HAZARDS: Aquatic Chronic 2 - H411

**LABEL ELEMENTS**

PICTOGRAM:



SIGNAL WORD:

**DANGER**

HAZARD STATEMENTS:

H315 Causes skin irritation.  
H304 May be fatal if swallowed and enters airways.  
H411 Toxic to aquatic life with long lasting effects.  
H317 May cause an allergic skin reaction.

PRECAUTIONARY STATEMENTS:

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/doctor.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with national regulations.

SDS: **117 Galangal Root Oil**

Compiled by: Geoffrey Harris, Quality Control - Approved by Johndan Chilcott, Regulatory Affairs – Date: 30/07/2019 Version: 3



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**SUPPLEMENTARY 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.  
P321 Specific treatment (see medical advice on this label).  
P331 Do NOT induce vomiting.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.  
P405 Store locked up.

**CONTAINS:**

Farnesene, Bisabolene, Pin-2(3)-Ene (Alpha-Pinenes), Eucalyptol, Geranyl Acetate, Pin-2(10)-Ene (Beta-Pinenes), Limonene, P-Mentha-1,4(8)-Diene (Terpinolene)

**3: COMPOSITION/INFORMATION ON INGREDIENTS**

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**10-30% FARNESENE**

CAS number: 18794-84-8

EC number: 242-582-0

Classification:

Asp. Tox. 1 - H304

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**10-30% BISABOLENE**

CAS number: 495-62-5

EC number: 207-805-8

Classification:

Skin Irrit. 2 - H315

Skin Sens. 1B - H317

Asp. Tox. 1 - H304

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**10-30% PIN-2(3)-ENE (ALPHA-PINENES)**

CAS number: 80-56-8

EC number: 201-291-9

M factor (Acute):

1

M factor (Chronic):

1

Classification:

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

Skin Sens. 1B - H317

Asp. Tox. 1 - H304

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

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**5-10% EUCALYPTOL**

CAS number: 470-82-6

EC number: 207-431-5

Classification:

Flam. Liq. 3 - H226

Skin Sens. 1B - H317

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**5-10% 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

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**1-5% CARYOPHYLLENE OXIDE**

CAS number: 1139-30-6

EC number: 214-519-7

Classification:

Aquatic Chronic 2 - H411

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**1-5% PIN-2(10)-ENE (BETA-PINENES)**

CAS number: 127-91-3	EC number: 204-872-5
M factor (Acute):	1
M factor (Chronic):	1
Classification:	Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

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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

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**1-5% CITRONELLYL ACETATE**

CAS number: 150-84-5	EC number: 205-775-0
Classification:	Skin Irrit. 2 - H315 Aquatic Chronic 2 - H411

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**1-5% EUGENYL ACETATE**

CAS number: 93-28-7	EC number: 202-235-6
Classification:	Acute Tox. 4 - H302

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**<1% CAMPHENE**

CAS number: 79-92-5	EC number: 201-234-8
M factor (Acute):	1
Classification:	Flam. Liq. 3 - H226 Eye Irrit. 2 - H319 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

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**<1% p-MENTHA-1,4(8)-DIENE (TERPINOLENE)**

CAS number: 586-62-9	EC number: 209-578-0
M factor (Chronic):	1
Classification:	Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 1 - H410

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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 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.
SPECIFIC HAZARDS:	Toxic gases or vapours.
PROTECTIVE ACTIONS DURING FIREFIGHTING:	Containers close to fire should be removed or cooled with water.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

**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.



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**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.

**9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:

Liquid.

COLOUR:

Yellow.

ODOUR:

Characteristic.

FLASH POINT °C:

60°C

SPECIFIC GRAVITY @ 20°C:

~ 0.950 @ 20°C

REFRACTIVE INDEX @ 20°C:

~ 1.492 @ 20°C



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**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**

SKIN CONTACT:	Causes skin irritation. May cause an allergic skin reaction.
INGESTION:	May be fatal if swallowed and enters airways.
<b>ACUTE TOXICITY - ORAL</b>	
- ATE ORAL (MG/KG):	111,333.33

**TOXICOLOGICAL INFORMATION ON INGREDIENTS:**

**EUGENYL ACETATE**

ACUTE TOXICITY - ORAL

Acute toxicity oral (LD <sub>50</sub> mg/kg):	1,670.0
<u>SPECIES:</u>	Rat
ATE oral (mg/kg):	1,670.0

**12: ECOLOGICAL INFORMATION**

ECOTOXICITY:	Toxic to aquatic life with long lasting effects.
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.

**ECOLOGICAL INFORMATION ON INGREDIENTS:**

**PIN-2(3)-ENE (ALPHA-PINENES)**

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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**PIN-2(10)-ENE (BETA-PINENES)**

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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**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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**13: DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS: Dispose of waste product or used containers in accordance with local regulations.

**14: TRANSPORT INFORMATION**

UN No. (ADR/RID/IMDG/ICAO/ADN): 3082  
PROPER SHIPPING NAME ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(ADR/RID/IMDG/ICAO/ADN): (CONTAINS PIN-2(3)-ENE (ALPHA-PINENES), GERANYL ACETATE)

**TRANSPORT HAZARD CLASS(ES):**

- ADR/RID/ADN CLASS: 9
- ADR/RID/ADN CLASSIFICATION CODE: M6
- ADR/RID LABEL: 9
- IMDG CLASS: 9
- ICAO CLASS/DIVISION: 9
- ADN CLASS: 9



**PACKING GROUP:**

- ADR/RID/ADN PACKING GROUP: III
- IMDG PACKING GROUP: III
- ADN PACKING GROUP: III
- ICAO PACKING GROUP: III

ENVIRONMENTAL HAZARDS: Environmentally hazardous substance/marine pollutant



TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE: Not applicable.

**SPECIAL PRECAUTIONS FOR USER**

EMS: F-A, S-F  
ADR TRANSPORT CATEGORY: 3  
EMERGENCY ACTION CODE: •3Z  
HAZARD IDENTIFICATION NUMBER (ADR/RID): 90  
TUNNEL RESTRICTION CODE: (E)

**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).  
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.



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**16: OTHER INFORMATION**

KEY LITERATURE REFERENCES AND SOURCES FOR DATA

European Chemicals Agency, <http://echa.europa.eu/>

HAZARD 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.

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.