



**AMPHORA AROMATICS  
LIMITED**

**essential oils, skincare & aromatherapy products**

**SAFETY DATA SHEET**

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

PRODUCT NAME: **Eucalyptus Radiata**

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

TELEPHONE: +44 (0)117-9087770.

PRODUCT NUMBER: **145**

CAS NUMBER: 92201-64-4

EC NUMBER: 295-995-3

IDENTIFIED USES: Concentrated material for manufacturing purposes only.

**2: HAZARDS IDENTIFICATION**

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

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

- PHYSICAL HAZARDS: Flam. Liq. 3 - H226
- HEALTH HAZARDS: Skin Irrit. 2 - H315  
Eye Irrit. 2 - H319  
Skin Sens. 1 - H317  
Asp. Tox. 1 - H304
- ENVIRONMENTAL HAZARDS: Aquatic Chronic 2 - H411

**LABEL ELEMENTS**

PICTOGRAM:



SIGNAL WORD:

**DANGER**

HAZARD STATEMENTS:

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.  
H411 Toxic to aquatic life with long lasting effects.



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PRECAUTIONARY STATEMENTS:	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing vapour/spray. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS:	P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P264 Wash contaminated skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P302+P352 IF ON SKIN: Wash with plenty of water. P321 Specific treatment (see medical advice on this label). P331 Do NOT induce vomiting. P332+P313 If skin irritation occurs: Get medical advice/attention. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P391 Collect spillage. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/container in accordance with national regulations.
CONTAINS:	PIN-2(3)-ENE (ALPHA-PINENES), PIN-2(10)-ENE (BETA-PINENES), LIMONENE, p-CYMENE

**3: COMPOSITION/INFORMATION ON INGREDIENTS**

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**10-30% ALPHA-TERPINEOL**

CAS number: 10482-56-1	EC number: 233-986-8
Classification	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

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**5-10% LINALOOL**

CAS number: 78-70-6	EC number: 201-134-4
Classification	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

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SDS: 145 Eucalyptus Oil Radiata

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**5-10% PIN-2(3)-ENE (ALPHA-PINENES)**

CAS number: 80-56-8	EC number: 201-291-9
Classification	Skin Irrit. 2 - H315
	Skin Sens. 1B - H317
	Asp. Tox. 1 - H304

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**5-10% 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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**5-10% 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% 4-TERPINEOL**

CAS number: 562-74-3	EC number: 209-235-5
Classification	Acute Tox. 4 - H302
	Skin Irrit. 2 - H315
	Eye Irrit. 2 - H319

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**1-5% p-CYMENE**

CAS number: 99-87-6	EC number: 202-796-7
Classification	Flam. Liq. 3 - H226
	Skin Irrit. 2 - H315
	Eye Irrit. 2 - H319
	Asp. Tox. 1 - H304
	Aquatic Chronic 2 - H411

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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.

**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.

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**8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

PROTECTIVE EQUIPMENT:



APPROPRIATE ENGINEERING CONTROLS:

EYE/FACE PROTECTION:

HAND PROTECTION:

OTHER SKIN AND BODY PROTECTION:

HYGIENE MEASURES:

RESPIRATORY PROTECTION:

ENVIRONMENTAL EXPOSURE CONTROLS:

Provide adequate ventilation.

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.

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

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

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

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

**9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:

COLOUR:

ODOUR:

FLASH POINT °C:

SPECIFIC GRAVITY @ 20°C:

REFRACTIVE INDEX @ 20°C:

Liquid.

Colourless to pale yellow.

Characteristic.

51°C

~ 0.915

~ 1.465

**10: STABILITY AND REACTIVITY**

STABILITY:

POSSIBILITY OF HAZARDOUS REACTIONS:

CONDITIONS TO AVOID:

MATERIALS TO AVOID:

HAZARDOUS DECOMPOSITION PRODUCTS:

Stable at normal ambient temperatures

Will not polymerise.

Avoid heat, flames and other sources of ignition.

Strong oxidising agents. Strong acids. Strong alkalis.

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.



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**11: TOXICOLOGICAL INFORMATION**

EYE CONTACT:	Causes serious eye irritation.
SKIN CONTACT:	Causes skin irritation. May cause sensitisation by skin contact.
INGESTION:	May be fatal if swallowed and enters airways.
ATE ORAL (MG/KG)	65,000.0

**TOXICOLOGICAL INFORMATION ON INGREDIENTS.**

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**4-TERPINEOL**

ACUTE TOXICITY - ORAL

Acute toxicity oral (LD <sub>50</sub> mg/kg):	1,300.0
Species:	Rat
ATE oral (mg/kg):	1,300.0

ACUTE TOXICITY - DERMAL

Acute toxicity dermal (LD <sub>50</sub> mg/kg):	2,500.0
Species:	Rabbit
ATE dermal (mg/kg):	2,500.0

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**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.**

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**LIMONENE**

ACUTE AQUATIC TOXICITY

LE(C) <sub>50</sub> :	0.1 < L(E)C <sub>50</sub> ≤ 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)C <sub>50</sub> ≤ 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
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**14: TRANSPORT INFORMATION**

**UN NUMBER**

- UN No. 1169  
(ADR/RID/IMDG/ICAO/ADN):

**PROPER SHIPPING NAME:**

- PROPER SHIPPING NAME (ADR/RID): EXTRACTS, AROMATIC, LIQUID
- PROPER SHIPPING NAME (IMDG): EXTRACTS, AROMATIC, LIQUID
- PROPER SHIPPING NAME (ICAO): EXTRACTS, AROMATIC, LIQUID
- PROPER SHIPPING NAME (ADN): EXTRACTS, AROMATIC, LIQUID

**TRANSPORT HAZARD CLASS(es):**

- ADR/RID/ADN CLASS: 3
- ADR/RID/ADN CLASSIFICATION CODE: F1
- ADR/RID LABEL: 3
- IMDG CLASS: 3
- ICAO CLASS/DIVISION: 3
- ADN CLASS: 3



**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-E, S-D
- ADR TRANSPORT CATEGORY: 3
- EMERGENCY ACTION CODE: 3Y
- HAZARD IDENTIFICATION NUMBER (ADR/RID): 30
- TUNNEL RESTRICTION CODE: (D/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.