



**AMPHORA AROMATICS  
LIMITED**

**essential oils, skincare & aromatherapy products**

**SAFETY DATA SHEET**

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

PRODUCT NAME: Ravensara Essential Oil

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

PRODUCT NUMBER: 137

CAS NUMBER: 91770-56-8

EC NUMBER: 294-842-8

INCI: Ravensara Aromatica Leaf Oil

IDENTIFIED USES: Suitable for cosmetic, fragrance and professional use only.

BIOLOGICAL DEFINITION: Ravensara Aromatica Leaf Oil is the volatile oil distilled from the leaves of Ravensara aromatica, Lauraceae.

**2: HAZARDS IDENTIFICATION**

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CAS: 91770-56-8

EC: 294-842-8

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

- PHYSICAL HAZARDS: Flammable liquid, Category 3 (Flam. Liq. 3, H226).
- HEALTH HAZARDS: Skin irritation, Category 2 (Skin Irrit. 2, H315).  
Aspiration hazard, Category 1 (Asp. Tox. 1, H304).  
Eye irritation, Category 2 (Eye Irrit. 2, H319).  
Skin sensitisation, Category 1 (Skin Sens. 1, H317).  
Germ cell mutagenicity, Category 2 (Muta. 2, H341).  
Carcinogenicity, Category 2 (Carc. 2, H351).  
Reproductive toxicity, Category 2 (Repr. 2, H361).
- ENVIRONMENTAL HAZARDS: Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 1, 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.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.  
H361 Suspected of damaging fertility or the unborn child.  
H411 Toxic to aquatic life with long lasting effects.

SDS: 137 Ravensara Essential Oil

Compiled by: Johndan Chilcott, Regulatory Affairs - Approved by Woody Evans, Director – Date: 30/04/2019 - Version: 4



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PRECAUTIONARY STATEMENTS:	P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P261 Avoid breathing vapours/spray 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. P303 + P361 + P353 IF ON SKIN (or hair): Remove/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. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P370+P378 In case of fire: Use carbon dioxide, dry chemical, foam to extinguish. P501 Dispose of contents in accordance with local, state or national legislation.
CONTAINS:	Limonene, Sabinene, p-Cymene, alpha-pinene

**3: COMPOSITION/INFORMATION ON INGREDIENTS**

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**≤ 45.0% Eucalyptol**

CAS NUMBER: 470-82-6	EC NUMBER: 207-431-5
CLASSIFICATION (EC 1272/2008):	Flam. Liq. 3, H226 Skin Sens. 1, H317

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**≤ 14.58% Limonene**

CAS NUMBER: 5989-27-5	EC NUMBER: 227-813-5
CLASSIFICATION (EC 1272/2008):	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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**1.0 – 5.0% Sabinene**

CAS NUMBER: 3387-41-5	EC NUMBER: 222-212-4
CLASSIFICATION (EC 1272/2008):	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319, STOT SE 3, H335

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**1.0 – 5.0% p-Cymene**

CAS NUMBER: 99-87-6

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 222-212-4

Flam. Liq. 3, H226

Asp. Tox. 1, H304

Skin Irrit. 2, H315

Eye Irrit. 2, H319,

STOT SE 3, H335

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**3.36% Linalool**

CAS NUMBER: 78-70-6

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 201-134-4

Skin Irrit. 2, H315

Skin Sens. 1B H317

Eye Irrit. 2, H319

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**1.0 – 5.0% gamma-Terpinene**

CAS NUMBER: 99-85-4

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 202-794-6

Flam. Liq. 3, H226

Repr. 2, H361

Aquatic Chronic 2, H411

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**1.0 – 5.0% 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

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**2.94% Estragole**

CAS NUMBER: 140-67-0

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 205-427-8

Acute Tox. 4, H302

Carc. 2, H351

Muta. 2, H341

Skin Sens. 1, H317

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**1.0 – 5.0% 4-Terpinenol**

CAS NUMBER: 562-74-3

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 209-235-5

Acute Tox. 4, H302

Skin Irrit. 2, H315

Skin Sens. 1, H317

Eye Irrit. 2, H319,

STOT SE 3, H336

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**1.0 – 5.0% alpha-Terpineol**

CAS NUMBER: 98-55-5

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 202-680-6

Skin Irrit. 2, H315

Eye Irrit. 2, H319

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**≤ 2.58% Eugenyl Methyl Ether (Methyl Eugenol)**

CAS NUMBER: 93-15-2

EC NUMBER: 202-223-0

CLASSIFICATION (EC 1272/2008):

Acute Tox. 4, H302

Muta. 2, H341

Carc. 2, H351

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**1.0 – 2.0% Myrcene**

CAS NUMBER: 123-35-3

EC NUMBER: 204-622-5

CLASSIFICATION (EC 1272/2008):

Flam. Liq. 3, H226

Asp. Tox. 1, H304

Skin Irrit. 2, H315

Eye Irrit. 2, H319

Aquatic Acute 1, H400

Aquatic Chronic 1, H410

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**1.0 – 2.0% beta-Pinene**

CAS NUMBER: 127-91-3

EC NUMBER: 204-872-5

CLASSIFICATION (EC 1272/2008):

Flam. Liq. 3, H226

Asp. Tox. 1, H304

Skin Irrit. 2, H315

Skin Sens. 1, H317,

Aquatic Acute 1, H400

Aquatic Chronic 1, H410

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**1.0 – 2.0% Camphene**

CAS NUMBER: 79-92-5

EC NUMBER: 201-234-8

CLASSIFICATION (EC 1272/2008):

Flam. Sol. 1, H228

Eye Irrit. 2, H319

Aquatic Acute 1, H400,

Aquatic Chronic 1, H410

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**1.0 – 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

Aquatic Chronic 4, H413

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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:	Remove from exposure area to fresh air. Get medical advice/attention.
INGESTION:	Do not induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Get medical advice/attention.
SKIN CONTACT:	Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if any discomfort continues.
EYE CONTACT:	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical advice/attention. Continue to rinse.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	No additional data available.
NOTES FOR THE DOCTOR:	No additional data available.

**5: FIREFIGHTING MEASURES**

EXTINGUISHING MEDIA RECOMMENDED:	Carbon dioxide, dry chemical, 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:	A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed: - carbon monoxide (CO) - carbon dioxide (CO <sub>2</sub> ).
SPECIAL MEASURES:	Keep packages near the fire cool. Prevent the effluent of fire-fighting measures from entering drains or waterways.
EXTINGUISHING PROCEDURES:	Keep packages near the fire cool.
ADVICE FOR FIREFIGHTERS:	Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

**6: ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Consult the safety measures listed under headings 7 and 8. For non-first aid worker: Avoid any contact with the skin and eyes. For first aid worker: First aid workers will be equipped with suitable personal protective equipment (See section 8).
ENVIRONMENT PRECAUTIONS:	Do not discharge into drains, water courses or onto the ground. Keep away from surface and ground water.
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.



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**7: HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING:**

- OCCUPATIONAL HYGIENE: Always wash hands after handling.  
Remove and wash contaminated clothing before re-using.  
Remove contaminated clothing and protective equipment before entering eating areas.
- FIRE PREVENTION: Handle in well-ventilated areas.  
Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits.  
Prevent the accumulation of electrostatic charges with connections to earth.  
Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.  
Keep packages tightly closed and away from sources of heat, sparks and naked flames.  
Do not use tools which may produce sparks. Do not smoke.  
Prevent access by unauthorised personnel.
- RECOMMENDED EQUIPMENT AND PROCEDURES: For personal protection, see section 8.  
Observe precautions stated on label and also industrial safety regulations.  
Avoid skin and eye contact with this substance.
- PROHIBITED EQUIPMENT AND PROCEDURES: No smoking, eating or drinking in areas where the substance is used.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

- STORAGE PRECAUTIONS: Keep the container tightly closed in a dry, well-ventilated place.  
Keep away from food and drink.  
Keep away from all sources of ignition - do not smoke.  
Keep well away from all sources of ignition, heat and direct sunlight.  
Avoid accumulation of electrostatic charges.
- PACKAGING: Always keep in packaging made of an identical material to the original.

**8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**PROTECTIVE EQUIPMENT:**



**PROCESS CONDITIONS:**

**ENGINEERING MEASURES:**

**RESPIRATORY EQUIPMENT:**

**HAND PROTECTION:**

Provide eyewash station.

Provide adequate ventilation or respiratory protection.

Not necessary in adequate local with general ventilation - avoid breathing vapours.

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



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EYE PROTECTION:	Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes Before handling, wear safety goggles with protective sides in accordance with standard EN166. In the event of high danger, protect the face with a face shield. Prescription glasses are not considered as protection.
OTHER PROTECTION:	Protective work clothing solvent resistant.
HYGIENE MEASURES:	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
PERSONAL PROTECTION:	No additional data available.
SKIN PROTECTION:	Avoid skin contact. Wear suitable protective clothing.
ENVIRONMENTAL EXPOSURE CONTROLS:	The usual precautions in handling chemicals have to be observed.

**9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	Mobile liquid.
COLOUR:	Colourless to pale yellow.
ODOUR:	Characteristic.
RELATIVE DENSITY:	Approx. 0.900 @ 20°C
FLASH POINT (°C):	50°C
REFRACTIVE INDEX:	Approx. 1.470 @ 20°C
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 (°C):	No additional data available.

**10: STABILITY AND REACTIVITY**

REACTIVITY:	Presents no significant reactivity hazards. Stable under normal temperature conditions and recommended use.
CHEMICAL STABILITY:	This substance is stable under the recommended handling and storage conditions in section 7.
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



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**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	Suspected of causing genetic defects.
CARCINOGENICITY	Suspected of causing cancer.
REPRODUCTIVE TOXICITY	Suspected of damaging fertility or the unborn child.
STOT-SINGLE EXPOSURE	No additional data available.
STOT-REPEATED EXPOSURE	No additional data available.
ASPIRATION HAZARD	May be fatal if swallowed and enters airways.
PHOTO-TOXICITY	No additional data available.
OTHER INFORMATION	No additional data available.

**12: ECOLOGICAL INFORMATION**

ECOTOXICITY:	Toxic to aquatic life with long lasting effects. The product must not be allowed to run into drains or waterways.
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:	No additional data available.

**13: DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS:	Do not allow entry into drains or waterways. <u>Waste:</u> Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment. <u>Soiled packaging:</u> Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.
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**14: TRANSPORT INFORMATION**

UN No. ROAD: 1169  
UN No. SEA: 1169  
UN No. AIR: 1169  
PROPER SHIPPING NAME: Extracts, aromatic, liquid.

**TRANSPORT HAZARD CLASS(ES):**

ADR/RID

- ADR/RID: Class 3
- ADR CLASSIFICATION CODE: F1
- SPECIAL PROVISIONS: 601 604E
- LIMITED QUANTITIES: 5L
- EXPECTED QUANTITIES: E1
- EMERGENCY ACTION CODE: 3Y
- TUNNEL RESTRICTION CODE: D/E

IMDG

- IMDG: Class 3
- SPECIAL PROVISIONS: 601 640E
- LIMITED QUANTITIES: 5L
- EXPECTED QUANTITIES: E1
- IMDG EMS: F-E, S-D
- STOWAGE AND HANDLING: Category A

ICAO/IATA

- ICAO/IATA: Class 3
- IATA PROPER SHIPPING NAME: EXTRACTS, AROMATIC, LIQUID
- EXPECTED QUANTITIES: E1

**PACKING GROUP:**

- ADR/RID PACKING GROUP: III
- IMDG 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: 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. H228 Flammable solid. 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. H335 May cause respiratory irritation. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H361 Suspected of damaging fertility or the unborn child. 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. H413 May cause long lasting harmful effects to aquatic life.
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**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.