



**AMPHORA AROMATICS
LIMITED**

essential oils, skincare & aromatherapy products

SAFETY DATA SHEET

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

PRODUCT NAME: **Bergamot Organic Essential Oil**

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

TELEPHONE: +44 (0)117-9087770.

PRODUCT NUMBER: **260**

CAS NUMBER: 89957-91-5

EC NUMBER: 289-612-9

INCI: Citrus aurantium bergamia fruit oil

BIOLOGICAL DEFINITION: Citrus bergamia peel oil expressed is an essential oil expressed from the epicarps of the bergamot, citrus bergamia risso, rutaceae.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION (EC 1272/2008):

- PHYSICAL HAZARDS: Flammable liquid, hazard category 3.
- HEALTH HAZARDS: Skin corrosion / irritation category 2.
Eye damage / irritation category 2.
Sensitization - skin category 1.
Aspiration hazard category 1.
- ENVIRONMENTAL HAZARDS: Hazardous to the aquatic environment - acute hazard category 1.
Hazardous to the aquatic environment - long-term hazard category 1.

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.
H410, very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

P210, keep away from heat, sparks, open flames and hot surfaces. - no smoking.
P233, keep container tightly closed.
P240, ground/bond container and receiving equipment.
P241, use explosion-proof electrical, ventilating and lighting equipment.
P242, use only non-sparking tools.

SDS: **260 Bergamot Organic Essential Oil**

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P243, take precautionary measures against static discharge. P261, avoid breathing vapour or dust.

P264, wash hands and other contacted 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/eye protection/face protection.

P301/310, if swallowed: immediately call a poison centre or doctor/physician.

P303/361/353, if on skin (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P305/351/338, if in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331, do not induce vomiting.

P333/313, if skin irritation or rash occurs: get medical advice/attention.

P337/313, if eye irritation persists: get medical advice/attention.

P362, take off contaminated clothing and wash before reuse.

P370/378, in case of fire: use carbon dioxide, dry chemical, foam for extinction.

P391, collect spillage.

P403/235, store in a well-ventilated place. Keep cool.

P405, store locked up.

P501, dispose of contents/container to approved disposal site, in accordance with local regulations.

CONTAINS:

n/a

3: COMPOSITION/INFORMATION ON INGREDIENTS

38.39% Linalyl Acetate

CAS NUMBER: 115-95-7

EC NUMBER: 204-116-4

CLASSIFICATION (EC 1272/2008):

Skin irrit. 2 – H315

Eye Irrit. 2 – H319

≤45.0% Limonene

CAS NUMBER: 5989-27-5

EC NUMBER: 227-813-5

CLASSIFICATION (EC 1272/2008):

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Asp. Tox. 1 - H304

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

≤15.0% Linalool

CAS NUMBER: 78-70-6

EC NUMBER: 201-134-4

CLASSIFICATION (EC 1272/2008):

Acute Tox. 5 - H303

Skin Irrit. 2 - H315

Aquatic Acute 3 - H402

7.58% β - Pinene

CAS NUMBER: 127-91-3

EC NUMBER: 20-872-5

CLASSIFICATION (EC 1272/2008):

Flam. Liq. 3 - H226

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Asp. Tox. 1 - H304

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

7.56% Γ -Terpinene (p-mentha-1,4-diene)

CAS NUMBER: 99-85-4

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 202-794-6

Flam. Liq. 3 – H226

Asp Tox. 1 –H304

1.89% α -Pinene

CAS NUMBER: 80-56-8

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 201-291-9

Flam. Liq. 3, H226

Asp. Tox. 1, H304

Skin Sens.1, H317

Aquatic Acute 1, H400

Aquatic Chronic 1, H410

1.14% Myrcene

CAS NUMBER: 123-35-3

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 204-622-5

Flam. Liq. 3 - H226

Asp. Tox. 1 - H304

Aquatic Chronic 3 - H412

1.5% Citral

CAS NUMBER: 5392-40-5

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 226-394-6

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

Skin Sens. 1 - H317

0.56% Geranyl Acetate

CAS NUMBER: 105-87-3

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 203-341-5

Aquatic Chronic 2 - H411

0.41% Beta Caryophyllene

CAS NUMBER: 87-44-5

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 201-746-1

Asp. Tox. 1 - H304

0.22% P-Mentha-1,3-Diene

CAS NUMBER: 99-86-5

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 202-795-1

Asp. Tox. 1 - H304

Acute Tox. 4, - H302

Aquatic Chronic 2, - H411

Flam. Liq. 3 - H226

0.22% P-Cymene

CAS NUMBER: 99-87-6

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 202-796-7

Flam. Liq. 3 - H226

Asp. Tox. 1 - H304

Acute Tox. 5 - H303

Aquatic Chronic 2 - H411

Skin Irrit. 3 -H316

0.17% D, L-Limonene (Isomer Unspecified)

CAS NUMBER: 7705-14-8

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 231-732-0

Flam. Liq. 3 - H226

Asp. Tox. 1 - H304

Skin Irrit. 2 - H315

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Skin Sens. 1 - H317

Aquatic Chronic 1 - H410

The full text for all hazard statements is displayed in Section 16.

4: FIRST AID MEASURES

INHALATION:	Get medical attention immediately. Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
INGESTION:	Get medical attention immediately. Immediately call the poison centre or doctor. Rinse mouth with water and obtain medical attention.
SKIN CONTACT:	Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.
EYE CONTACT:	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
GENERAL INFORMATION:	Always remove contaminated clothing immediately.
NOTES FOR THE DOCTOR:	May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:	Foam, CO ₂ , Dry Chemical Powder.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:	Burning produces irritating, toxic and obnoxious fumes.
ADVICE FOR FIREFIGHTERS:	Wear positive pressure self-contained breathing apparatus (scuba) and appropriate protective clothing.

6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing. Avoid inhalation.
ENVIRONMENT PRECAUTIONS:	Do not discharge into drains, water courses or onto the ground. Dispose of in line with local authority guidelines.
CLEANING UP METHODS FOR SPILLAGES:	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

7: HANDLING AND STORAGE

USAGE PRECAUTIONS:	Handle in accordance with good hygiene and safety practice. Keep away from heat, sparks, open flames and hot surfaces. - no smoking. Use personal protective equipment as required.
OCCUPATIONAL HYGIENE:	Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.
STORAGE PRECAUTIONS:	Keep the product container tightly closed, in a dry, ventilated area. Keep away from potential sources of ignition and protected from light. Maintain limited contact with oxygen.

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8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



APPROPRIATE ENGINEERING CONTROLS:

Ensure work area is well ventilated. Provide Safety shower and eye bath.

EYE/FACE PROTECTION:

Wear eye/face protection.

HAND PROTECTION:

Wear protective gloves.

OTHER SKIN AND BODY PROTECTION:

Wear protective clothing to reduce the risk of skin and eye contact.

HYGIENE MEASURES:

Good personal hygiene practises are always advisable, especially when working with chemicals including oils.

RESPIRATORY PROTECTION:

Under normal conditions of use and where adequate ventilation is available to prevent build-up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: A) Increase ventilation of the area with local exhaust ventilation. B) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or cannisters and particulate filters. C) Use closed systems for transferring and processing this material. Also refer to Sections 2 and 7.

ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid discharging into drainage Water.

PERSONAL PROTECTION:

Avoid inhalation of the product. Avoid contact with skin and eyes.

9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Liquid.

COLOUR:

Pale Yellow to Yellow

ODOUR:

Characteristic- Citrus, bergamot.

FLASH POINT °C:

54°C

SPECIFIC GRAVITY @ 20°C:

0.860 – 0.875

REFRACTIVE INDEX @ 20°C:

1.457 – 1.470

SOLUBILITY IN WATER @ 20°C

Insoluble in water.

10: STABILITY AND REACTIVITY

REACTIVITY:

Not applicable.

CHEMICAL STABILITY:

Stable under suggested storage conditions (<15°C).

POSSIBILITY OF HAZARDOUS REACTIONS:

No.

CONDITIONS TO AVOID:

Storage at high temperatures. Do not store above 15°C.

INCOMPATIBLE MATERIALS:

Avoid concentrated acids, alkalis & oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes, smoke and carbon monoxide.



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11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

- ASSUMED TOXICITY VALUE (LD50 OR ATE) FOR ACUTE ORAL TOXICITY: 13396.24
- ASSUMED TOXICITY VALUE (LD50 OR ATE) FOR ACUTE DERMAL TOXICITY: 207373.27
- ASSUMED TOXICITY VALUE (LD50 OR ATE) FOR ACUTE INHALATION TOXICITY: n/a
- INHALATION ROUTE: n/a

Skin Irritation: Causes Skin Irritation (H315)
Eye Damage or Irritation: No Data.
Respiration or Skin Sensitivity: May cause an allergic skin reaction (H317).
Germ Cell Mutagenicity: No Data.
Carcinogenicity: No Data.
Reproductive Toxicity: No Data.
STOT – Single Exposure: No Data.
STOT – Repeated Exposure: No Data.
Aspiration Hazard: May be fatal if swallowed and enters airways. (H304).
Other Information: No Data.

12: ECOLOGICAL INFORMATION

TOXICITY: Harmful to aquatic life with long lasting effects.
PERSISTENCE AND DEGRADABILITY: No Data.
BIOACCUMULATIVE POTENTIAL: None.
MOBILITY IN SOIL: None.
RESULTS OF PBT AND vPvB ASSESSMENT: This substance does not meet PBT/vPvB criteria of REACH, annex XIII
PRECAUTIONS: Do not allow product to enter streams, sewers or other waterways.

13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Always recover spilled product. Discard waste material with authorised waste management services. Act in accordance with local & national waste regulations.

14: TRANSPORT INFORMATION

UN No. (ROAD/SEA/AIR): UN1169
PROPER SHIPPING NAME: Extracts, Aromatic, Liquid.
TRANSPORT HAZARD CLASS(ES):
- ADR/RID/ADN CLASS: 3 Flammable Liquid.
- IMDG CLASS: 3 Flammable Liquid.
- ICAO CLASS: 3 Flammable Liquid.



PACKING GROUP:

- ADR/RID/ADN PACKING GROUP: III

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- IMDG PACKING GROUP: III
- ICAO PACKING GROUP: III
ENVIRONMENTAL HAZARDS: Environmentally hazardous/
marine pollutant.



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

15: REGULATORY INFORMATION

STATUTORY INSTRUMENTS: The Chemicals (Hazard Information & 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 18th December 2006. Concerning the registration, evaluation, authorization & restriction of chemicals (reach), establishing a European Chemicals Agency, amending directive 1999/45/EC and repealing council regulation (EEC) No793/93 & commission regulation (EC) No1488/94 as well as council directive 76/769/EEC & commission directive 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (including amendments).
GUIDANCE: Workplace Exposure Limits EH40. Chip for Everyone HSG 108.

16: OTHER INFORMATION

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.
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.