



**AMPHORA AROMATICS  
LIMITED**

**essential oils, skincare & aromatherapy products**

**SAFETY DATA SHEET**

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

PRODUCT NAME: **Black Pepper Essential Oil**

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

TELEPHONE: +44 (0)117-9087770.

EMAIL: info@amphora-aromatics.com

PRODUCT NUMBER: **5**

CAS NUMBER: 84929-41-9

EC NUMBER: 284-524-7

INCI: Piper Nigrum Fruit Oil.

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

BIOLOGICAL DEFINITION: The volatile oil obtained by steam distillation from the dried slightly unripe fruits of *Piper nigrum L.*

**2: HAZARDS IDENTIFICATION**

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CAS: 84929-41-9v

EC: 284-524-7

CLASSIFICATION (EC 1272/2008)

PHYSICAL HAZARDS:

Flam. Liq. 3 - H226

HEALTH HAZARDS:

Asp. Tox. 1 - H304

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

ENVIRONMENTAL HAZARDS:

Aquatic Acute 1 – H400

Aquatic Chronic 1 – H410

**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.

H410 Very toxic to aquatic life with long lasting effects.

**SDS: 5 Black Pepper**

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PRECAUTIONARY STATEMENTS:	P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P241 Use explosion-proof electrical/ventilating/lighting/equipment. P261 Avoid breathing /mist/vapours/spray. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye 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. P332+P313 If skin irritation occurs: Get medical advice/attention. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P331 Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P370+P378: In case of fire: Use foam, carbon dioxide or dry powder to extinguish. P391 Collect spillage. P501 Dispose of contents/container in accordance with local/regional/national regulations.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P362 Take off contaminated clothing and wash before reuse. P264 Wash hands and exposed skin thoroughly after handling.
CONTAINS:	Caryophyllene, d-limonene, beta-Pinene, alpha-Pinene

**3: COMPOSITION/INFORMATION ON INGREDIENTS**

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**25.0 – 35.0% beta-Caryophyllene**

CAS NUMBER: 87-44-5

EC NUMBER: 201-746-1

CLASSIFICATION (EC 1272/2008):

Asp. Tox. 1 - H304,  
Skin Sens. 1B - H317

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**<25.0% d-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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**10.0 – 15.0% 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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**8.0 – 15.0% Sabinene**

CAS NUMBER: 3387-41-5

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 222-212-4

Flam. Liq. 3 - H226,

Asp. Tox. 1 - H304

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**5.0 – 10.0% 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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The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**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:

Burns, Allergic contact dermatitis. The severity of the symptoms will vary depending of the concentration and the length of exposure.

INDICATION OF ANY IMMEDIATE MEDICAL

Treat symptomatically.

ATTENTION AND SPECIAL TREATMENT NEEDED:

**5: FIREFIGHTING MEASURES**

EXTINGUISHING MEDIA RECOMMENDED:

Foam, carbon dioxide or dry powder.

UNSUITABLE EXTINGUISHING MEDIA

Do not use water jet as an extinguisher, as this may scatter and spread fire.

SPECIAL HAZARDS ARISING FROM THE  
PRODUCT:

Formation of toxic gases is possible during heating or in case of fire.

ADVICE FOR FIREFIGHTERS:

Wear self-contained respiratory protective device. Wear fully protective suit.

**6: ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS:

Ensure adequate ventilation. Wear necessary protective equipment. Avoid contact with eyes and skin. Avoid breathing vapours.

ENVIRONMENT PRECAUTIONS:

Do not discharge into drains, water courses or onto the ground.

CLEANING UP METHODS FOR SPILLAGES:

Cover with an inert, inorganic, non-combustible absorbent material (e.g dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors. Avoid open flames or sources

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of ignition. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

**7: HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING :

The usual precautionary measures are to be adhered to when handling chemicals. Ensure good ventilation/exhaustion at the workplace. Avoid contact with eyes and skin. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of work. Keep ignition sources away - Do not smoke.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage class: Flammable liquid storage. Store only in the original receptacle. Keep container tightly sealed. Keep in cool, dry, ventilated storage and closed containers. Keep away from heat.

**8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

CONTROL PARAMETERS

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

PROTECTIVE EQUIPMENT:



APPROPRIATE ENGINEERING CONTROLS:

Provide adequate ventilation. Use engineering controls to reduce air contamination.

Provide eyewash station.

EYE/FACE PROTECTION:

Avoid contact with eyes. Wear approved safety goggles. (EN166).

HAND PROTECTION:

Wear suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation.

OTHER SKIN AND BODY PROTECTION:

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

HYGIENE MEASURES:

Good personal hygiene practices are always advisable, especially when working with chemicals / oils.

RESPIRATORY PROTECTION:

Generally unnecessary in a well-ventilated area. If ventilation is insufficient, respiratory protection must be worn.

ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid discharging into drainage water. Only eliminate by authorised companies

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**9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	Clear liquid.
COLOUR:	Colourless to pale green/yellow or blue green.
ODOUR:	Characteristic, warm, spicy.
FLASH POINT °C:	46.0 - 50.0
SPECIFIC GRAVITY @ 20°C:	0.845 – 0.927
REFRACTIVE INDEX @ 20°C:	1.470 – 1.492
OPTICAL ROTATION @ 20°C:	-28.0 to 1.0
SOLUBILITY IN WATER @20 °C	Insoluble in water.

**10: STABILITY AND REACTIVITY**

REACTIVITY:	Stable under the recommended handling and storage conditions.
CHEMICAL STABILITY	Stable under the recommended handling and storage conditions.
POSSIBLE HAZARDOUS REACTIONS	No additional data available.
CONDITIONS TO AVOID	Avoid heat, flames and other sources of ignition.
INCOMPATIBLE MATERIALS	Avoid contact with strong acids, alkalis or oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Toxic gases /vapours may be formed during thermal decomposition.

**11: TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY:	Not classified.
SKIN CONTACT:	Causes skin irritation.
SERIOUS EYE DAMAGE / IRRITATION:	Not classified.
RESPIRATORY OR SKIN SENSITISATION:	May cause an allergic reaction.
GERM CELL MUTAGENICITY:	Not classified.
CARCINOGENICITY:	Not classified.
REPRODUCTIVE TOXICITY:	Not classified.
STOT – SINGLE EXPOSURE:	Not classified.
STOT – REPEATED EXPOSURE:	Not classified.
ASPIRATION HAZARD:	May be fatal if swallowed and enters airway.
PHOTO – TOXICITY:	No additional data available.

**12: ECOLOGICAL INFORMATION**

ECOTOXICITY:	Very toxic to aquatic life with long lasting effects.
PERSISTENCE AND DEGRADABILITY:	No additional data available.
BIOACCUMULATIVE POTENTIAL:	No additional data available.
MOBILITY IN SOIL:	Very toxic to aquatic life with long lasting effects. Avoid transfer into the environment.
RESULTS OF PBT AND VPVB ASSESSMENT:	No additional data available.
PRECAUTIONS:	Do not allow product to enter streams, sewers or other waterways.

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**13: DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS: Dispose of in compliance with all local and national regulations.

**14: TRANSPORT INFORMATION**

UN No. ROAD: UN 1169  
UN No. SEA: UN 1169  
UN No. AIR: UN 1169  
PROPER SHIPPING NAME: EXTRACTS, AROMATIC, LIQUID.

**TRANSPORT HAZARD CLASS(ES):**

ADR/RID/AND CLASS: 3: Flammable Liquid.  
IMDG CLASS: 3  
ICAO CLASS/DIVISION 3



**PACKING GROUP:**

ADR/RID/AND PACKING GROUP III  
IMDG PACKING GROUP III  
ICAO PACKING GROUP III  
ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE/MARINE POLLUTANT: Environmentally Hazardous  
Substance/Marine Pollutant.



SPECIAL PRECAUTIONS FOR USER This product is flammable and dangerous for the environment.  
Tunnel restriction code D/E  
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE: No additional data available.

**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).

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**16: OTHER INFORMATION**

HAZARD AND/OR PRECAUTIONARY  
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.  
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.