



**AMPHORA AROMATICS
LIMITED**

essential oils, skincare & aromatherapy products

SAFETY DATA SHEET

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

1.1 PRODUCT IDENTIFICATION

PRODUCT NAME	COSMOS Organic Black Pepper Essential Oil
BIOLOGICAL DEFINITION	The volatile oil obtained by steam distillation from the dried slightly unripe fruits of <i>piper nigrum l.</i>
INCI NAME	<i>Piper Nigrum</i> Fruit Oil
PRODUCT NUMBER	277
CAS-NO	84929-41-9
EC No.	284-524-7

1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

COMPANY ADDRESS	Amphora Aromatics Limited, Airfield House, Western Drive, Bristol, BS14 0AF
EMAIL	info@amphora-aromatics.com
EMERGENCY CONTACTS	+44 (0)117-9087770

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE The full text for all hazard statements is displayed in section 16.

OR MIXTURE

CLASSIFICATION (EU1272/2008)

- PHYSICAL HAZARDS: Flam. Liq. 3 - H226 Flammable Liquid and Vapour
- HEALTH HAZARDS: Asp. Tox. 1 - H304 May Be Fatal If Swallowed and Enters Airways.
Skin Irrit. 2 - H315 Causes Skin Irritation.
Skin Sens. 1 - H317 May Cause an Allergic Skin Reaction.
- ENVIRONMENTAL HAZARDS: Aquatic Acute 1 - H400 Very Toxic to Aquatic Life.
Aquatic Chronic 1 - H410 Very Toxic to Aquatic Life with Long Lasting Effects.

2.2 LABEL ELEMENTS

Label in accordance with regulation (EC) No 1272/2008.

GHS LABEL



SIGNAL WORD

DANGER.

CONTAINS

Caryophyllene, D-Limonene, Beta-Pinene, Delta-3-Carene
H226 Flammable Liquid and Vapour.

HAZARDS STATEMENT

H315 Causes Skin Irritation.
H317 May Cause an Allergic Skin Reaction.
H304 May Be Fatal If Swallowed and Enters Airways.
H410 Very Toxic to Aquatic Life with Long Lasting Effects.



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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 Dust/Fume/Gas/Mist/Vapours/Spray. P280 Wear Protective Gloves/Protective Clothing/Eye Protection/Face Protection. P240 Ground/Bond Container and Receiving Equipment. P233 Keep Container Tightly Closed. P242 Use Only Non-Sparking Tools. P273 Avoid Release to The Environment. P243 Take Precautionary Measures Against Static Discharge. P272 Contaminated Work Clothing Should Not Be Allowed Out of The Workplace. P301+P310 If Swallowed: Immediately Call A Poison Centre or Doctor/Physician. P303+P361+P353 If on Skin (Or Hair): Remove/Take Off Immediately All Contaminated Clothing. Rinse Skin with Water/Shower. P362 Take Off Contaminated Clothing and Wash Before Reuse. P363 Wash Contaminated Clothing Before Reuse. 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. P391 Collect Spillage. P405 Store Locked Up. P403+P235 Store in A Well-Ventilated Place. Keep Cool. P501 Dispose of Contents/Container in Accordance with Local/Regional/National/International Regulations.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	None.

SECTION 3: COMPOSITION OF INGREDIENTS

3.1 SUBSTANCES

20.0 – 35.0% Caryophyllene

CAS-NO.: 87-44-5	EC NO.: 201-746-1
CLASSIFICATION (EC 1272/2008)	Asp. Tox. 1 - H304

15.0 – 25.0% D-Limonene

CAS-NO.: 5989-27-5	EC NO.: 227-813-5
CLASSIFICATION (EC 1272/2008)	Flam. Liq. 3, H226 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Irrit. 2, H315 Skin Sens. 1, H317

5.0 – 15.0% Beta-Pinene

CAS-NO.: 127-91-3	EC NO.: 204-872-5
CLASSIFICATION (EC 1272/2008)	Flam. Liq. 3 H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Sens. 1, H317



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5.0 – 15.0% Delta-3-Carene

CAS-NO.: 13466-78-9

CLASSIFICATION (EC 1272/2008)

EC NO.: 236-719-3

Flam. Liq. 3, H226

Asp. Tox. 1, H304

Aquatic Chronic 2, H411

Skin Sens. 1, H317

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

GENERAL INFORMATION

Always remove contaminated clothing immediately.

INHALATION

Get medical attention immediately. Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

INGESTION

Do not induce vomiting! 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.

4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)

The severity of the symptoms described will vary depending of the concentration and the length of exposure. May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED

None expected, see section 4.1 for further information.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MATERIAL

Foam, co2, dry chemical powder. Unsuitable extinguishing media: water

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Burning produces irritating, toxic and obnoxious fumes

5.3 ADVICE FOR FIRE-FIGHTERS

Special protective equipment for fire-fighters:

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 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.

6.2 ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground. Dispose of in line with local authority guidelines.

6.3 METHODS & MATERIAL FOR CONTAINMENT AND CLEANING UP

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. Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).

6.4 REFERENCES TO OTHER SECTIONS

Refer & consider section 8. Refer & consider section 13.



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SECTION 7: HANDLING & STORAGE

7.1 PRECAUTIONS FOR SAFE-HANDLING	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. 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.
7.2 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.
7.3 SPECIFIC END USE(S)	Flavours, fragrances: use in accordance with good manufacturing and industrial hygiene practices.

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 CONTROL PARAMETERS No additional data available.

8.2 EXPOSURE CONTROLS



EYE PROTECTION	Wear protective gloves/eye protection/face protection. Avoid contact with eyes. Wear approved safety goggles. (EN166)
HAND PROTECTION	Avoid contact with skin. Wash hands before breaks and at end of work. Wear protective gloves. DIN/EN 374. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Penetration time of glove material: the exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
RESPIRATORY EQUIPMENT	Do not inhale gases / fumes / aerosols. Certified respiratory protective device recommended. NIOSH or European standard EN 149 approved respirator.
HYGIENE MEASURES	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
ENGINEERING MEASURES	None.
SKIN PROTECTION	Wear protective clothing to reduce the risk of skin and eye contact.
PERSONAL PROTECTION	Avoid inhalation of the product. Avoid contact with skin and eyes. Avoid contact with skin and eyes. Use personal protection according to directive 89/686/EEC.
OTHER PROTECTION	Wear suitable protection to avoid contact with skin and eyes. Do not inhale vapours.
PROCESS CONDITIONS	Ensure area is well ventilated. Avoid vapour inhalation. Safety shower & eye bath.
ENVIRONMENTAL EXPOSURE CONTROLS	Avoid discharging into drainage water.



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SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9.1 PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Clear pale green - yellow - blue
ODOUR	Characteristic, warm & spicy
RELATIVE DENSITY @ 20°C	0.864 – 0.884
FLASH POINT (°C)	46 - 50°C.
REFRACTIVE INDEX @ 20 °C	1.474 – 1.492
SOLUBILITY IN WATER @ 20 °C	Insoluble in water

9.2 OTHER INFORMATION No data.

SECTION 10: STABILITY & REACTIVITY

10.1 REACTIVITY	Not applicable.
10.2 CHEMICAL STABILITY	Stable under suggested storage conditions (<15°C).
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	Flammable liquid.
10.4 CONDITIONS TO AVOID	Storage at high temperatures. Do not store above 15°C. Avoid heat, flames and other sources of ignition.
10.5 INCOMPATIBLE MATERIALS	Avoid concentrated acids, alkalis & oxidising agents.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes & smoke & carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 TOXICOLOGICAL EFFECTS

ACUTE TOXICITY	No data
SKIN IRRITATION	Irritant to skin and mucous membranes. May cause allergic skin reaction.
EYE DAMAGE OR IRRITATION	No data.
RESPIRATORY OR SKIN SENSITIVITY	May be fatal if swallowed and enters airways.
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	Classification guidelines for preparations as issued in the latest version: irritant.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY	H400 Very Toxic to Aquatic Life. H410 Very Toxic to Aquatic Life with Long Lasting Effects. H411 Toxic to Aquatic Life with Long
12.2 PERSISTENCE & DEGRADABILITY	No data.
12.3 BIO- ACCUMULATIVE POTENTIAL	None.
12.4 MOBILITY IN SOIL	Very toxic to aquatic life with long lasting effects. Avoid transfer into the environment.
12.5 RESULTS OF PBT & VPVB ASSESSMENT	This substance does not meet the PBT/vPvB criteria of reach, ANNEX XIII.
12.6 OTHER ADVERSE EFFECTS	Do not allow product to enter streams, sewers or other waterways.



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SECTION 13: DISPOSAL INFORMATION

13.1 WASTE TREATMENT METHODS Always recover spilled product. Discard waste material with authorized waste management services. Act in accordance with local & national waste regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 TRANSPORT INFORMATION

UN NUMBER

- ROAD UN1169
- SEA UN1169
- AIR UN1169

ADR:

14.2 UN SHIPPING NAME

- ADR 1169 Extracts, Aromatic, Liquid, Environmentally Hazardous, Special Provision 640e
- IMDG Extracts, Aromatic, Liquid (D-Limonene, Beta-Pinene), Marine Pollutant
- IATA Extracts, Aromatic, Liquid.

14.3 TRANSPORT HAZARD CLASS(ES)

- ADR/RID/ADN CLASS 3
- IMDG CLASS 3
- ICAO CLASS/DIVISION 3



14.4 PACKING GROUP

- ADR/RID/ADN III
- IMDG III
- ICAO III

14.5 ENVIRONMENTAL HAZARDS

Environmentally Hazardous / Marine Pollutant.



14.6 SPECIAL PRECAUTIONS FOR USER

- WARNING: Flammable Liquid
- DANGER CODE (KEMLER) 30
- EMS NUMBER F-E, S-D

ADR

- LIMITED QUANTITIES (LQ) 5L
- EXCEPTED QUANTITIES -
- CODE E1
- MAXIMUM NET QUANTITY PER INNER PACKAGING 30ml
- MAXIMUM NET QUANTITY PER OUTER PACKAGING 1000ml
- TRANSPORT CATEGORY 3
- TUNNEL RESTRICTION CODE D/E

(Transport regulations continued on next page.)



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IMDG

– LIMITED QUANTITIES	5L
– ACCEPTED QUANTITIES	-
– CODE	E1
– MAXIMUM NET QUANTITY PER INNER PACKAGING	30ml
– MAXIMUM NET QUANTITY PER OUTER PACKAGING	1000ml
– UN “MODEL REGULATION”	UN1169, Extracts, Aromatic, Liquid, Special Provision 640E, Environmentally Hazardous, 3, III.

14.7 TRANSPORT IN BULK ACCORDING

TO ANNEX II OF MARPOL73/78 & THE IBC CODE. Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION

EU DIRECTIVES	Regulation (EC) no 1907/2006 of the European Parliament and of the council of 18 th 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).
STATUTORY INSTRUMENTS	The chemicals (hazard information & packaging for supply regulations 2009 (S.I.2009 no 716).
APPROVED CODE OF PRACTICE	Classification & labelling of substances & preparations dangerous for supply. Safety data sheets for substances & preparations.
GUIDANCE NOTES	Workplace exposure limits EH40. Chip for everyone HSG 108.
15.2 CHEMICAL SAFETY ASSESSMENT	Assessment has not been carried out as this is a non-hazardous material according to Article 31 of REACH 1907/2006.

SECTION 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. 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
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