



**AMPHORA AROMATICS
LIMITED**

essential oils, skincare & aromatherapy products

SAFETY DATA SHEET

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

PRODUCT NAME: **Basil Essential Oil**

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

TELEPHONE: +44 (0)117-9087770.

PRODUCT NUMBER: **2**

CAS NUMBER: 84775-71-3 / 8015-73-4

EC NUMBER: 283-900-8

INCI: Ocimum Basilicum (Basil) Oil

IDENTIFIED USES: Concentrated product used in production of Personal Care, Fragrances and Aromatherapy

BIOLOGICAL DEFINITION:

2: HAZARDS IDENTIFICATION

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [CLP]

SKIN IRRITATION (Cat. 2) – H315

Skin Sensitivity (Cat. 1) – H317

Eye Irritation (Cat. 2) – H319

Mutagenic (Cat. 2) – H341

Carcinogenic (Cat. 2) – H351

Aquatic Chronic (Cat. 2) – H411

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

HAZARD STATEMENTS:

WARNING

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

H411: Toxic to aquatic life with long lasting effects



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PRECAUTIONARY STATEMENTS: P261: Avoid breathing vapour/spray
P264: Wash hands thoroughly after handling
P273: Avoid release to the environment
P280: Wear protective gloves/clothing/eye-protection/face protection
P301+P310: If swallowed: immediately call a poison centre or doctor
P302 + P352: If on skin, was with plenty of soap and water
P331: Do not induce vomiting
P501: Dispose of contents/containers in accordance with local/national regulations

3: COMPOSITION/INFORMATION ON INGREDIENTS

LINALOOL		45-52%
CAS NUMBER: 78-70-6	EC NUMBER: 201-134-4	
CLASSIFICATION	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
EUGENOL		2-10%
CAS NUMBER: 97-53-0	EC NUMBER: 202-589-1	
CLASSIFICATION	Skin Sens. 1B H317 Eye Irrit. 2 H319	
METHYL CHAVICOL		1-5%
CAS NUMBER: 140-67-0	EC NUMBER: 205-427-8	
CLASSIFICATION	Acute Tox. 4 H302 Skin Sens. 1, H317 Muta. 2. H341 Carc. 2 H351	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4: FIRST AID MEASURES

INHALATION: Remove to fresh air.
INGESTION: Do not induce vomiting. Give a glass of water. See a doctor immediately.
SKIN CONTACT: Wash well with water.
EYE CONTACT: Flush eyes with water for 15 minutes. If irritation persists see a doctor.
GENERAL INFORMATION: Dependant on the level / type of exposure, small levels can be treated by first aider. Larger contact or if systems persist, seek medical help immediately
SELF-PROTECTION OF FIRST AIDER: Use personal protective equipment as described in section 8 if substance is present.
MOST IMPORTANT SYMPTOMS AND EFFECTS,
BOTH ACUTE AND DELAYED: Stinging sensation.
INDICATION OF ANY IMMEDIATE MEDICAL
ATTENTION AND SPECIAL TREATMENT NEEDED: No specific first aid measures noted.

SDS: 2 Basil Essential Oil

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5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:	Use foam, dry powder, carbon dioxide or vaporising liquids
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:	May produce fumes of carbon monoxide and carbon dioxide. Moderate explosion hazard when exposed to flame
ADVICE FOR FIREFIGHTERS:	Containers close to fire should be removed or cooled with water. Self-contained breathing apparatus and full protective clothing must be worn in case of fire
EMERGENCY ACTION CODE:	3[Y] (Foam + BA & Fire Kit)

6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Wear appropriate protective clothing Shut off all sources of ignition
ENVIRONMENT PRECAUTIONS:	Do not discharge into drains, water courses or onto ground
CLEANING UP METHODS FOR SPILLAGES:	For small spills, wash area with detergent and water. For large spills, contain with earth, sand or similar inert absorbent material and both liquids and solids transferred to salvage containers and arrange disposal by disposal company. Wash spilled area thoroughly with water and detergent.

7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Avoid spilling, eye and skin contact. Use only in a well-ventilated area. Keep away from heat or flame. Wash area well with hot water and detergent and check for residual vapours with an explosion meter before carrying out maintenance.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:	Must be stored and transported in accordance with local regulations for hazardous liquids. Store in tightly closed container in a dry, cool and well ventilated place. Protect from freezing and direct sunlight.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



APPROPRIATE ENGINEERING CONTROLS:	Use only in well-ventilated area
EYE/FACE PROTECTION:	Use safety goggles.
HAND PROTECTION:	Use chemical resistant gloves.
RESPIRATORY PROTECTION:	None required when used in well-ventilated area. Use approved half face respirator if using undiluted in confined spaces.

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9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear mobile liquid
COLOUR:	Pale yellow to yellow
ODOUR:	Characteristic herb
FLASH POINT:	75°C - Closed Cup method
SPECIFIC GRAVITY @ 25°C:	0.890 – 0.920
REFRACTIVE INDEX @ 25°C:	1.470 – 1.488

10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Product is stable under normal temperature conditions
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerisation does not occur
CONDITIONS TO AVOID:	Keep away from heat or flame. Use only in a well-ventilated area.
INCOMPATIBLE MATERIALS:	Oxidising Agents, strong acids, strong alkalis
HAZARDOUS DECOMPOSITION PRODUCTS:	May produce carbon monoxide and carbon dioxide upon decomposition

11: TOXICOLOGICAL INFORMATION

(PUBLISHED HISTORICAL DATA, WE DO NOT CONDUCT ANY ANIMAL TESTING AND NEVER HAVE DONE)

EYE CONTACT:	Irritant
SWALLOWED:	Rat (M/F) LD50 1700 mg/kg (moderate)
SKIN:	Acute dermal LD50 in rabbits > 5610 mg/kg (as linalool)
SKIN IRRITATION:	Serious irritant.
SKIN SENSITIVITY:	contains allergens.
MUTAGENICITY:	Methyl chavicol is considered as potentially mutagenic and also a potential carcinogen.

12: ECOLOGICAL INFORMATION

TOXICITY:	Fish Toxicity: Moderate LC50 > 28.8; 96-hour flow-through test with F4 Oncorhynchus mykiss
PERSISTENCE AND DEGRADABILITY:	Biodegradability: regarded as readily biodegradable.
BIOACCUMULATIVE POTENTIAL:	The estimated potential for bio-concentration in aquatic organisms is low for linalool and eugenol
MOBILITY IN SOIL:	Not determined
RESULTS OF PBT AND vPvB ASSESSMENT:	Not determined
OTHER ADVERSE EFFECTS:	Moderate toxicity earthworms

13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Regulations for Disposal generally vary according to location. Contact local waste disposal authority for advice, or pass to a chemical disposal company. Ensure compliance with local, state and federal regulations
SPECIAL PRECAUTIONS FOR LANDFILL AND INCINERATION:	Waste is suitable for incineration



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14: TRANSPORT INFORMATION

UN NUMBER: 3082
PROPER SHIPPING NAME: Environmentally Hazardous Liquid, N.O.S.
(Ocimum Basilicum, ext.)
TRANSPORT HAZARD CLASS(ES): 9



PACKING GROUP: III
ENVIRONMENTAL HAZARDS: This is an Environmentally Hazardous substance.



TRANSPORT IN BULK ACCORDING TO ANNEX II
OF MARPOL73/78 AND THE IBC CODE:

15: REGULATORY INFORMATION

STATUTORY INSTRUMENTS: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716)
Classification and Labelling of Substances and Preparations
Dangerous for supply

16: OTHER INFORMATION

PACKAGING

<u>TYPE</u>	<u>SUITABILITY</u>
Glass	Yes
Steel	Yes
Aluminium	Ideal
Fluorinated HDPE	Yes
Stainless steel drum	Ideal

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.

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