



**AMPHORA AROMATICS
LIMITED**

essential oils, skincare & aromatherapy products

SAFETY DATA SHEET

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

PRODUCT NAME: **COSMOS Organic Marjoram Essential Oil**

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

TELEPHONE: +44 (0)117-9087770.

PRODUCT NUMBER: **269**

CAS NUMBER: 84082-58-6

EC NUMBER: 282-004-4

INCI: *Origanum majorana* leaf oil.

BIOLOGICAL DEFINITION: *Origanum majorana* leaf oil is the volatile oil distilled from the leaves of the sweet marjoram, *origanum majorana* L., *labiatae*.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION (EC 1272/2008):

- PHYSICAL HAZARDS: Not classified
- HEALTH HAZARDS: Aspiration Hazard, Category 1 (Asp. Tox. 1, H304).
Acute Oral Toxicity, Category 4 (Acute Tox. 4, H302)
Skin Corrosion, Category 1B (Skin Corr. 1b, H314)
Skin Sensitisation, Category (Skin Sens. 1B: H317)
- ENVIRONMENTAL HAZARDS: Aquatic Chronic 2: (H411)

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

DANGER

HAZARD STATEMENTS:

H302 Harmful If Swallowed.
H304 May Be Fatal If Swallowed and Enters Airways.
H314 Causes Severe Skin Burns and Eye Damage.
H317 May Cause an Allergic Skin Reaction.
H411 Toxic to Aquatic Life with Long Lasting Effects.



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PRECAUTIONARY STATEMENTS:	P273 Avoid Release to The Environment. P280 Wear Protective Gloves/Protective Clothing/Eye Protection/Face Protection. P301 + P330 + P331 If Swallowed: Rinse Mouth. Do Not Induce Vomiting. P302 + P352 If on Skin: Wash with Plenty of Soap and Water. P304 + P340 If Inhaled: Remove Victim to Fresh Air and Keep at Rest in A Position Comfortable for Breathing. P305 + P351 + P338 If in Eyes: Rinse Cautiously with Water for Several Minutes. Remove Contact Lenses, If Present and Easy to Do. Continue Rinsing. P391 Collect Spillage.
CONTAINS:	4-TERPINENOL, (R)-P-MENTHA-1,8-DIENE, THYMOL, CARVACROL

3: COMPOSITION/INFORMATION ON INGREDIENTS

40.0% Hydrocarbon	
CAS NUMBER: N/A	EC NUMBER: n/a
CLASSIFICATION (EC 1272/2008):	Asp. Tox. 1 – H304
25.0% Linalool	
CAS NUMBER: 78-70-6	EC NUMBER: 201-134-4
CLASSIFICATION (EC 1272/2008):	Skin Irrit. 2 - H315
25.0% 4- Terpinenol	
CAS NUMBER: 562-74-3	EC NUMBER: 209-235-5
CLASSIFICATION (EC 1272/2008):	Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 – H319
5.0% D – Limonene	
CAS NUMBER: 5989-27-5	EC NUMBER: 227-813-5
M FACTOR – ACUTE = 1	M FACTOR – CHRONIC = 1
CLASSIFICATION (EC 1272/2008):	Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1. – H400 Aquatic Chronic 1 – H410
5.0% Thymol	
CAS NUMBER: 89-83-8	EC NUMBER: 201-944-8
CLASSIFICATION (EC 1272/2008):	Acute Tox. 4 – H302 Skin Corr. 1B – H314 Aquatic Chronic 2 – H411
1.0% Carvacrol	
CAS NUMBER: 499-75-2	EC NUMBER: 207-889-6
CLASSIFICATION (EC 1272/2008):	Acute Tox. 4 - H302 Eye Dam.1 - H318

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



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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.

MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)

- INHALATION:	May cause coughing and difficulties in breathing.
- INGESTION:	Irritating to the respiratory tract and may cause damage to the CNS.
- SKIN CONTACT:	Toxic in contact with skin.
- EYE CONTACT:	May cause 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.
ENVIRONMENT PRECAUTIONS:	Do not discharge into drains, water courses or onto the ground. Dispose of material 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. Do not inhale vapours.

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:

Clear Liquid.

COLOUR:

Yellow to Greenish Yellow

ODOUR:

Characteristic- Citrus, Mandarin.

FLASH POINT °C:

52°C

SPECIFIC GRAVITY @ 20°C:

0.890 – 0.906

REFRACTIVE INDEX @ 20°C:

1.470 – 1.475

SOLUBILITY IN WATER @ 20°C

Insoluble in water.

10: STABILITY AND REACTIVITY

REACTIVITY:

No hazardous reactions if stored and handled as prescribed / indicated.

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:

Strong oxidising substances.

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.

SDS: 269 COSMOS Organic Marjoram Essential Oil

Compiled by: Johndan Chilcott, Regulatory Affairs - Approved by Woody Evans, Director – Date: 10/12/2020 - Version: 4



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11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

CARVACROL	CAS: 499-75-2
ORAL ROUTE (RAT) – LD50:	810mg/kg

Skin Irritation:	May cause an allergic reaction by skin contact. Corrosive reactions are typified by ulcers, bleeding, bloody scabs, and, by the end of observation at 14 days, by discolouration due to blanching of the skin, complete areas of alopecia, and scars.
Eye Damage or Irritation:	No Data.
Respiration or Skin Sensitivity:	May cause irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis, following exposure between three minutes and one hour.
Germ Cell Mutagenicity:	No Data.
Carcinogenicity:	Monograph(s) from the IARC (International Agency for Research on Cancer): CAS 5989-27-5: IARC group 3: the agent is not classifiable as to its carcinogenicity to humans.
Reproductive Toxicity:	Not Applicable.
STOT – Single Exposure:	Not Applicable.
STOT – Repeated Exposure:	Not Applicable.
Aspiration Hazard:	Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration. May be fatal if swallowed and enters airways. Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.
Other Information:	No Data.

12: ECOLOGICAL INFORMATION

TOXICITY:	Harmful to aquatic life with long lasting effects. The product must not be allowed to run into drains or waterways.
PERSISTENCE AND DEGRADABILITY:	No Data.
BIOACCUMULATIVE POTENTIAL:	No Data.
MOBILITY IN SOIL:	No Data.
RESULTS OF PBT AND VPOB ASSESSMENT:	No Data.
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.
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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
- 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.



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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.
H314 Causes Severe Skin Burns and Eye Damage.
H315 Causes Skin Irritation.
H317 May Cause an Allergic Skin Reaction.
H318 Causes Serious Eye Damage.
H319 Causes Serious Eye Irritation.
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.