



**AMPHORA AROMATICS
LIMITED**

essential oils, skincare & aromatherapy products

SAFETY DATA SHEET

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

PRODUCT NAME: **Spearmint Essential Oil**

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

TELEPHONE: +44 (0)117-9087770.

PRODUCT NUMBER: **138**

CAS NUMBER: 84696-51-5 / 8008-79-5

EC NUMBER: 283-656-2

INCI: Mentha Spicata Herb Oil

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

BIOLOGICAL DEFINITION: This is a natural substance. The substance has a natural variability in its composition. It is obtained by the steam distillation of the fresh leaves, stems and flowering parts of Mentha Spicata plant.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION (EC 1272/2008):

- PHYSICAL HAZARDS: Flammable Liquid (Cat. 3) – H226
- HEALTH HAZARDS: Aspiration Toxicity (Cat. 1) – H304
Skin Irritation (Cat. 2) – H315
Skin Sensitivity (Cat. 1) – H317
Eye Irritation (Cat. 2) – H319
- ENVIRONMENTAL HAZARDS: Aquatic Chronic (Cat. 2) – H411

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

HAZARD STATEMENTS:

WARNING

- H226: Flammable Liquid & Vapour
- H304: May be fatal if swallowed and enters airways
- H315: Causes skin irritation
- H317: May cause an allergic skin reaction
- H319: Causes severe eye irritation
- H411: Toxic to aquatic with long lasting effects

SDS: **138 Spearmint Essential Oil**

Compiled by: Johndan Chilcott, Regulatory Affairs - Approved by Woody Evans, Director – Date: 8/8/2019 - Version: 5



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PRECAUTIONARY STATEMENTS:	P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking P233: Keep container tightly closed P240: Ground/bond container and receiving equipment P241: Use explosion-proof electrical/ventilating/light/equipment P242: Use only non-sparking tools P243: Take precautionary measures against static discharge P261: Avoid breathing vapour/spray P264: Wash hands thoroughly after handling P270: Do not eat/drink/smoke when using this product P273: Avoid release to the environment P280: Wear protective gloves/clothing/eye-protection/face protection P501: Dispose of contents/containers in accordance with local/national regulations
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3: COMPOSITION/INFORMATION ON INGREDIENTS

60 - 65% l-carvone

CAS NUMBER: 6485-40-1	EC NUMBER: 229-352-5
CLASSIFICATION (EC 1272/2008):	H302 Harmful if swallowed

10 - 25% limonene

CAS NUMBER: 5989-27-5	EC NUMBER: n/a
CLASSIFICATION (EC 1272/2008):	Flam Liq 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

1 – 2.5% 1,8 cineole

CAS NUMBER: 470-82-6	EC NUMBER: 207-431-5
CLASSIFICATION (EC 1272/2008):	Flam Liq. 3 H226 Skin Sens. 1B H317

<1% menthyl acetate

CAS NUMBER: 16409-45-3	EC NUMBER: n/a
CLASSIFICATION (EC 1272/2008):	Aquatic Chronic 2, H411

The full text for all hazard statements is 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:	Depending on the level/type of exposure, small levels can be treated by first aider. Larger contact or if symptoms persist, seek medical help immediately
SELF-PROTECTION OF FIRST AIDER:	Use personal protective equipment as described in section 8 if substance is present



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MOST IMPORTANT SYMPTOMS AND EFFECTS,
BOTH ACUTE AND DELAYED:

Cooling sensation

INDICATION OF ANY IMMEDIATE MEDICAL
ATTENTION AND SPECIAL TREATMENT NEEDED:

No specific first aid measures noted

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:

Use foam, dry powder, carbon dioxide or vaporising liquids

SPECIAL HAZARDS ARISING FROM THE

May produce fumes of carbon monoxide and carbon dioxide.

SUBSTANCE OR MIXTURE:

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

USAGE PRECAUTIONS:

Avoid spilling, eye and skin contact

Use only in a well-ventilated area.

Wash area well with hot water and detergent.

STORAGE PRECAUTIONS:

Must be stored and transported in accordance with local regulations.

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:	Colourless to pale yellow.
ODOUR:	Characteristic, strong spearmint.
FLASH POINT:	60°C – Pensky Martens Closed Cup Method
SPECIFIC GRAVITY @ 20°C:	0.88 – 0.92
REFRACTIVE INDEX @ 20°C:	1.48 – 1.49
SOLUBILITY:	Not soluble in water
VAPOUR PRESSURE:	Not determined.
FREEZING POINT:	Not determined.
BOILING POINT RANGE:	Not determined
OPTICAL ROTATION @ 20 °C:	50° to 62°

10: STABILITY AND REACTIVITY

REACTIVITY:	No data.
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

SWALLOWED:	Rat (M/F) LD ₅₀ > 2500 mg/kg (acute oral)
EYE CONTACT:	Causes serious eye irritation.
SKIN CONTACT:	Acute dermal LD ₅₀ in rats 2000 mg/kg. Essentially non-toxic at 2000 mg/kg
INHALATION:	May cause gastrointestinal tract irritation with nausea, vomiting and diarrhoea
SKIN IRRITATION:	Potential Irritant.
SKIN SENSITIVITY	Possible Skin Sensitiser
MUTAGENICITY:	Not determined

12: ECOLOGICAL INFORMATION

ECOTOXICITY:	<i>Fish Toxicity:</i> Acute 96 hours LC ₅₀ >20.3 (A3 <i>Oncorhynchus mykiss</i>) interpretation – moderate.
PERSISTENCE AND DEGRADABILITY:	<i>Mentha spicata</i> can be regarded as readily biodegradable.
BIOACCUMULATIVE POTENTIAL:	Regarded as low risk for L-carvone but threshold for concern for limonene.
MOBILITY IN SOIL:	Not determined.
RESULTS OF PBT AND vPvB ASSESSMENT:	Not determined
OTHER ADVERSE EFFECTS:	Moderate toxicity for Algae, Honeybees, Earthworms, Aquatic invertebrates.



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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.

14: TRANSPORT INFORMATION

UN No.:

UN1993

PROPER SHIPPING NAME:

Flammable Liquid (N.O.S)

TRANSPORT HAZARD CLASS(ES):

3



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:

n/a

15: REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716)

16: OTHER INFORMATION

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.