



**AMPHORA AROMATICS
LIMITED**

essential oils, skincare & aromatherapy products

SAFETY DATA SHEET

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

PRODUCT NAME: Peppermint Essential Oil

SUPPLIER: Amphora Aromatics Ltd, 36 Cotham Hill, Cotham, Bristol BS6 6LA
Telephone +44 (0)117-9087770.

PRODUCT NUMBER: 43

CAS NUMBER: 90063-97-1/ 68917-18-0

EC NUMBER: 290-058-5

INCI: Mentha Arvensis Leaf Oil

IDENTIFIED USES:

INDUSTRIAL USE: Detergents and maintenance products; washing and cleaning products; food/feedstuff additives

PROFESSIONAL USE: Washing and cleaning products; oral care products; detergents and maintenance products; polishes and wax blends; cosmetics

CONSUMER USE: Washing and cleaning products; aerosols; coatings; de-icers; lubricants; air care products; cosmetics; pharmaceuticals; polishes and wax blends; tobacco products; biocides;

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 flowering parts of Mentha Arvensis plant and subsequent extraction of l-menthol to reduce from 70% component to 38-42%.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CAS: 90063-97-1/ 68917-18-0

EC: 290-058-5

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008

PHYSICAL HAZARDS:

HEALTH HAZARDS: Acute Tox. (Cat 4) - H302
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:

WARNING

SDS: 43 Peppermint Essential Oil

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HAZARD STATEMENTS:	H302: Harmful if swallowed H315: Causes skin irritation H317: May cause an allergic skin reaction H319: Causes serious eye irritation H411: Toxic to aquatic life long lasting effects H412: Harmful to aquatic life with long lasting effects
PRECAUTIONARY STATEMENTS	P273: Avoid release to the environment P280: Wear protective gloves/clothing/eye-protection/face protection P262: Do not get in eyes, on skin, or on clothing P301 + P310: Immediately call a poison centre or doctor P331: do NOT induce vomiting 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 P233: Keep container tightly closed P501: Dispose of contents/containers in accordance with local/national regulations
OTHER HAZARDS:	All essential oils are highly concentrated so have strong aromas and colour that can stain. Cornmint Oil contains over 11% Hydrocarbons. Emergency treatment for those who accidentally swallow oils in this category is to seek medical attention immediately and transport sitting in a half-upright position.

3: COMPOSITION/INFORMATION ON INGREDIENTS

30 to 45% l-menthol

CAS NUMBER: 2216-51-5

EC NUMBER: 218-690-9

CLASSIFICATION:

Skin Irrit. 2, H315

14 to 35% trans-menthone

CAS NUMBER: 89-80-5

EC NUMBER: 201-941-1

CLASSIFICATION:

Acute Tox. 4, H302
Aquatic Chronic 3, H412

4 to 14% Iso-menthone

CAS NUMBER: 491-07-6

EC NUMBER: 207-727-4

CLASSIFICATION:

Skin Irrit. 2, H315;
Skin Sens.1 H317

3 to 10% Neomenthol

CAS NUMBER: 2216-52-6

EC NUMBER: 218-691-4

CLASSIFICATION:

Skin Irrit. 2, H315
Eye Irrit. 2, H315

2 to 8% L Menthyl Acetate

CAS NUMBER: 2623-23-6

EC NUMBER: 220-076-0

CLASSIFICATION:

Aquatic Chronic 2, H411



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1 to 7%% L-Limonene

CAS NUMBER: 5989-27-5

CLASSIFICATION:

EC NUMBER: 227-813-5

Flam Liq 3, H226

Skin Irrit. 2, H315

Skin Sens. 1, H317

Aquatic Acute 1, H400

Aquatic Chronic 1, H410

0.01 to 3% Pulegone

CAS NUMBER: 89-82-7

CLASSIFICATION:

EC NUMBER: 201-943-2

Acute Tox. 4, H302

0.5 to 2.5% Isopulegol

CAS NUMBER: 7786-67-6

CLASSIFICATION:

EC NUMBER: 232-102-8

Acute Tox. 4, H302

Skin Irrit. 2, H315

Eye Irrit. 2, H319

0.01 to 2% Alpha-pinene

CAS NUMBER: 80-56-8

CLASSIFICATION:

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, H400

0.01 to 1.5% Beta-caryophyllene

CAS NUMBER: 87-44-5

CLASSIFICATION:

EC NUMBER: 201-746-1

Asp. Tox. 1, H304

Skin Sens. 1B H317

Aquatic Chronic 4, H413

0.01 to 1% Germacrene-D

CAS NUMBER: 37839-63-7

CLASSIFICATION:

Asp. Tox. 1, H304

0.01 to 1% 1,8-cineole

CAS NUMBER: 470-82-6

CLASSIFICATION:

Flam. Liq. 3, H226; Skin Sens. 1B, H317

4: FIRST AID MEASURES

INHALATION:

Remove to fresh air. Contact doctor if necessary.

INGESTION:

Do not induce vomiting. Wash mouth with plenty of water. See a doctor immediately.

SKIN CONTACT:

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

EYE CONTACT:

Flush eyes with water for 15 minutes.

If irritation persists, see a doctor.

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GENERAL INFORMATION:	Take phrases in sections 2 and 15 into account
NOTES FOR THE DOCTOR:	No specific first aid measures noted
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

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:	Carbon dioxide, foam or dry powder
UNSUITABLE EXTINGUISHING MEDIA	Direct water jet
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:	May produce fumes of carbon dioxide and unidentified combustion products. Moderate explosion hazard when exposed to flame
EXTINGUISHING PROCEDURES:	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:	Remove all sources of ignition. Avoid inhalation, skin and eye contact. Ensure proper ventilation.
ENVIRONMENT PRECAUTIONS:	Do not discharge directly into drains or the soil. Keep away from surface and ground water
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.
REFERENCES TO OTHER SECTIONS	Take Risk, Safety and Precautionary phrases (section 16) into account

7: HANDLING AND STORAGE

USAGE PRECAUTIONS:	Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes.
STORAGE PRECAUTIONS:	Must be stored and transported in accordance with local regulations. Store in tightly closed container away from ignition sources in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight.



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8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



APPROPRIATE ENGINEERING CONTROLS:

EYE/FACE PROTECTION:

HAND PROTECTION:

OTHER SKIN AND BODY PROTECTION:

HYGIENE MEASURES:

RESPIRATORY PROTECTION:

ENVIRONMENTAL EXPOSURE CONTROLS:

Use only in well-ventilated area

Use safety goggles.

Use chemical resistant gloves.

No data available.

Avoid inhalation, skin and eye contact.

None required when used in well-ventilated area. Use approved half face respirator if using undiluted in confined spaces.

9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

COLOUR:

ODOUR:

FLASH POINT °C:

SPECIFIC GRAVITY @ 20°C:

REFRACTIVE INDEX @ 20°C:

SOLUBILITY:

BOILING POINT °C:

VAPOUR PRESSURE:

FREEZING POINT:

Clear mobile liquid

Colourless to yellow

Characteristic minty

68.7

0.888 – 0.910

1.457 – 1.470

Slightly soluble to soluble in water, 0.5 - 3500 mg/l at 20 °C

102

50.8 Pa @ 25 °C

Not determined

10: STABILITY AND REACTIVITY

REACTIVITY:

CHEMICAL STABILITY

POSSIBILITY OF HAZARDOUS REACTIONS

CONDITIONS TO AVOID

INCOMPATIBLE MATERIALS

HAZARDOUS DECOMPOSITION PRODUCTS:

Product is not reactive

Product is stable under normal temperature conditions

Hazardous polymerisation does not occur

Keep away from heat or flame.

Use only in a well-ventilated area.

Oxidising Agents, strong acids, strong alkalis

May produce carbon monoxide and carbon dioxide upon decomposition

11: TOXICOLOGICAL INFORMATION

ORAL

EYE CONTACT:

INHALATION:

SKIN:

SKIN IRRITATION:

Rat LD50 is 1.24 g/kg/bw

Not irritating

Potential irritant. Over exposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.

Acute dermal LD50 in rabbits >5g/kg.

Not irritating

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SKIN SENSITIVITY: Sensitiser; Mild allergen.
MUTAGENICITY: Cornmint Oil does not appear to be genotoxic nor carcinogenic
FERTILITY/REPRODUCTION: NOAEL for β -myrcene (oral) in Wistar rats is 300 mg/kg bw/day (fertility and performance); NOEL of camphene is 250mg/kg bw/day for maternal toxicity and for embryo-foetotoxicity

12: ECOLOGICAL INFORMATION

ECOTOXICITY: Fish Toxicity: Acute toxicity (96h-LC50) is 3.01 mg/l.
Algae acute toxicity: (96h-EC50) is 2.63 mg/l
Daphnia acute toxicity: (96h-EC50) is 2.43mg/l

PERSISTENCE AND DEGRADABILITY: Regarded as readily biodegradable. Study scientifically not necessary / other information available

BIOACCUMULATIVE POTENTIAL: The range of log BCF values for the known constituents is 1.47 - 4.282.

MOBILITY IN SOIL: Not determined

RESULTS OF PBT AND vPvB ASSESSMENT: The substance is not PBT / vPvB

PRECAUTIONS: Not established

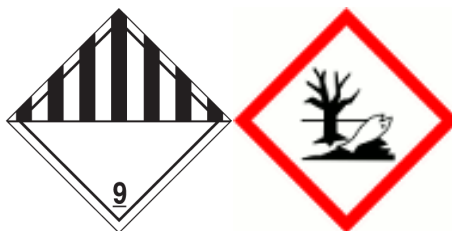
13: DISPOSAL CONSIDERATIONS

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. ROAD: UN3082
UN No. SEA: UN3082
UN No. AIR: UN3082
PROPER SHIPPING NAME: Environmentally Hazardous Liquid (N.O.S)
TRANSPORT HAZARD CLASS(es): 9
PACKING GROUP: III
TRANSPORT LABELS:



ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT: See Section 2

SPECIAL PRECAUTIONS FOR USER: Dangerous Goods Note.

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE: No data available

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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 12 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.