

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** PEPPERMINT MENTHA ARVENSIS

**REACH registered number(s):** 05-2116406871-48-000 (STATUS PRE-REGISTERED)

**CAS number:** 90063-97-1

**EINECS number:** 290-058-5

**Synonyms:** DMO, DEMENTHOLISED OIL

ARVENSIS DMO

CORNMINT OIL

**INCI name:** MENTHA ARVENSIS LEAF OIL

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use of substance / mixture:** Used in production of household, personal care, fragrances and aromatherapy.

### 1.3. Details of the supplier of the safety data sheet

**Company name:** Naissance

Unit 9 Milland Road

Industrial Estate

Neath

Neath Port Talbot

SA11 1NJ

**Tel:** 0800 0430 826

**Email:** info@naissance.co.uk

### 1.4. Emergency telephone number

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411; Acute Tox. 4: H302; Asp.

Tox. 1: H304; Eye Irrit. 2: H319

**Most important adverse effects:** Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** \* H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

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H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

**Hazard pictograms:** GHS07: Exclamation mark

GHS09: Environmental



**Signal words:** Warning

**Precautionary statements:** \* P280: Wear protective gloves/protective clothing/eye protection/face protection.

P233: Keep container tightly closed.

P264: Wash hands thoroughly after handling.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: Dispose of contents/container to local and national regulations.

### 2.3. Other hazards

**Other hazards:** Environmentally hazardous liquid Xi,Xn, N R36-irritating to eyes. R38-irritating to skin.

R43-May cause sensitisation by skin contact. R51-Toxic to aquatic organisms. R53 - May cause long term adverse effects in the aquatic environment.

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Non-classified ingredients:

##### MENTHOL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	89-78-1	-	-	30-50%

##### MENTHONE

-	10458-14-7	-	-	10-30%
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##### ISO-MENTHONE

-	491-07-6	-	-	1-10%
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##### MENTHYL ACETATE

-	89-48-5	-	-	1-10%
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EUCALYPTOL

-	470-82-6	-	-	1-10%
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MYRCENE

-	123-35-3	-	-	1-10%
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LIMONENE

-	-	-	-	1-10%
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BETA-PINENE

201-291-9	80-56-8	-	-	1-10%
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ALPHA-PINENE

201-291-9	80-56-8	-	-	1-10%
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(+/-)-PULEGONE

-	15932-80-6	-	-	1-10%
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**Contains:** 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 Metha Arvensis plant and subsequent extraction of l-menthol to reduce from 70% component to 38-42%.

See annex section 16

**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Wash well with water.

**Eye contact:** Flush immediately with water for at least 15 minutes. Contact physician if irritation persists.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. If irritation develops or persists seek medical attention.

**Inhalation:** \* Remove from exposure area to fresh air. If unconscious, check for breathing and apply artificial respiration if necessary.

**4.2. Most important symptoms and effects, both acute and delayed**

**Skin contact:** Potential irritant May cause an allergic skin reaction

**Eye contact:** Causes serious eye damage

**Ingestion:** No data available.

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

**Delayed / immediate effects:** No data available.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Immediate / special treatment:** 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 First Aider protection - Use personal equipment as described in section 8 if substance is present. Cooling sensation.

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**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Carbon dioxide. Dry chemical powder. Foam. Vaporising liquids

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** May produce fumes of carbon monoxide and carbon dioxide. Moderate explosion hazard when exposed to flame.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Containers close to fire should be immediately removed or cooled with water. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Emergency action code 3[Y] (Foam + BA & Fire Kit)

**Section 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** \* Avoid skin and eye contact. Shut off all sources of ignition. Wear suitable protective clothing. Wash thoroughly after handling.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains, water courses or onto the ground

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** for small spills Wash with water and detergent. For large spills contain with earth, sand or similar inert absorbent material and transfer both liquids and solids to salvage containers and arrange disposal by disposal company. Wash spilled area thoroughly with water and detergent

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Avoid spills, skin and eye contact. Ensure there is sufficient ventilation of the area. Wash area with hot water and detergent

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** 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

**Suitable packaging:** Stainless steel. Steel drums. Aluminium containers. Glass.

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**7.3. Specific end use(s)**

**Specific end use(s):** Concentrated product used in production of Household, Personal Care, Flavours, Fragrances and Aromatherapy.

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Workplace exposure limits:** No data available.

**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

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

**Hand protection:** Use chemical resistant gloves

**Eye protection:** Safety goggles.

**Skin protection:** Wear protective gloves.

**Environmental:** Not applicable.

**Section 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**State:** Clear mobile liquid.

**Colour:** Colourless to pale yellow.

**Odour:** characteristic, strong minty.

**Solubility in water:** Insoluble

**Flash point°C:** 62 deg c

**Vapour pressure:** 0.1mmHg at 20degC

**Relative density:** 0.9

**9.2. Other information**

**Other information:** refractive index ~ 1.456- 1.470 at 20degC    optical rotation ~ -16deg to -34 deg at 20 degC

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** No data available.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous polymerisation does not occur.

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**10.4. Conditions to avoid**

**Conditions to avoid:** \* Heat. Flames. Direct sunlight.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids. Strong Alkalis.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** \* May produce carbon monoxide and carbon dioxide upon decomposition No decomposition products found, if used appropriately.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Relevant hazards for product:**

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated

**Excluded hazards for substance:**

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Serious eye damage/irritation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

**Symptoms / routes of exposure**

**Skin contact:** Potential irritant May cause an allergic skin reaction

**Eye contact:** Causes serious eye damage

**Ingestion:** No data available.

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

**Delayed / immediate effects:** No data available.

**Other information:** Rabbit - essentially non-toxic at 2000mg/kg

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**Section 12: Ecological information**

**12.1. Toxicity**

\* Ecotoxicity values:

Species	Test	Value	Units
FISH (menthol)	96H LC50	18.9	mg/l
FISH (eucalyptol)	96H LC50	95.4-109	mg/l
FISH (Alpha-pinene)	96H LC50	0.28	mg/l
Daphnia magna (alpha-pinene)	48H LC50	41	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** Readily biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** Moderate.

**12.4. Mobility in soil**

**Mobility:** No data available.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** Moderate toxicity for Algae, Honeybees, Earthworms, Aquatic invertebrates.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Contact local waste disposal authority for advice, or pass to a chemical disposal company. Ensure compliance with local, state and federal regulations Waste is suitable for incineration

**Recovery operations:** Not applicable.

**Disposal of packaging:** Arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**14.1. UN number**

**UN number:** UN3082

**14.2. UN proper shipping name**

**Shipping name:** Environmentally Hazardous Substance, liquid n.o.s.

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**14.3. Transport hazard class(es)**

Transport class: 9

**14.4. Packing group**

Packing group: III

**14.5. Environmental hazards**

Environmentally hazardous: Yes

Marine pollutant: Yes

**14.6. Special precautions for user**

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Transport in bulk: No data available

**Section 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Specific regulations: \* The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716)

**15.2. Chemical Safety Assessment**

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: 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.

H411: Toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.