

<b>AW Nexus Group</b> ul. Olimpijska 2, 81-538 Gdynia NIP: 5881771302   Tel 786 686 068 <a href="https://aromapremium.eu/">https://aromapremium.eu/</a> kontakt@aromapremium.eu	<b>MSDS Yarrow Oil</b>
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<b>PRODUCT DESCRIPTION</b> <b>Botanical name :</b> <i>Achillea millefolium</i> <b>INCI name :</b> Achillea millefolium Oil <b>Quality :</b> 100% Pure and Natural <b>Solubility :</b> Soluble in alcohols and fixed oils; Insoluble in water	<b>PHYSICO-CHEMICAL DATA</b> <b>Specific gravity :</b> 0.880-0.910 <b>Refractive index :</b> 1.480-1.500 <b>Optical rotation at 20°C :</b> n/a
<b>DESCRIPTION</b> <b>Odour :</b> Sweet, Light, Earthy <b>Note classification :</b> Top to middle Note <b>Appearance :</b> Clear, Mobile Liquid <b>Colour :</b> Dark Blue	<b>MANUFACTURING DETAILS</b> <b>Parts used :</b> Flowering tops and leaves <b>Extraction Method :</b> Steam Distilled Essential Oil <b>Cultivation :</b> Certified organic
<b>LEGISLATION</b> <b>CAS-No :</b> 8022-07-9 <b>EINECS :</b> 282-030-6	<b>STABILITY AND STORAGE</b> Keep in tightly closed container in a cool and dry place from 15°C (59°F) to 16°C (60.8°F). Avoid exposure to light. When stored for more than 24 months, quality should be checked before use.

## 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifiers

<b>Product name</b>	Yarrow Oil
<b>Brand</b>	Vessel Essential Oils
<b>CAS-No.</b>	8022-07-9

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

<b>Identified uses</b>	Laboratory chemicals, Manufacture of substances
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### 1.3 Details of the supplier of the safety data sheet

<b>Manufacturer</b>	Vessel Essential Oils, Farmakeika Neo Risio, Greece
<b>Importer / Distributor (EU)</b>	AW Nexus Group, ul. Olimpijska 2, 81-538 Gdynia
	NIP: 5881771302   Tel 786 686 068
	<a href="https://aromapremium.eu/">https://aromapremium.eu/</a>   kontakt@aromapremium.eu

### 1.4 Numer telefonu alarmowego

W nagłych przypadkach związanych z narażeniem na produkt:

**Ośrodki Informacji Toksykologicznej (całodobowe):**

• Ośrodek Kontroli Zatruc, Warszawa	• tel. 607 218 174	• (woj. mazowieckie, łódzkie, podlaskie, lubelskie)
• Pomorskie Centrum Toksykologii, Gdańsk	• tel. 58 682 04 04 lub 512 069 737	• (woj. pomorskie, zachodniopomorskie, warmińsko-mazurskie, kujawsko-pomorskie)
• Oddział Toksykologii im. dr Wandy Błęńskiej, Poznań	• tel. 61 847 69 46	• (woj. wielkopolskie, lubuskie, dolnośląskie, opolskie)
• Pracownia Informacji Toksykologicznej UJ CM, Kraków	• tel. 12 411 99 99	• (woj. małopolskie, podkarpackie, śląskie, świętokrzyskie)

Dla innych krajów UE: prosimy o kontakt z lokalnym Krajowym Centrum Informacji Toksykologicznej (<https://poisoncentres.echa.europa.eu>)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 4), H227

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 2.2 GHS Label elements, including precautionary statements

Pictogram	none
Signal word	Warning
H227	Combustible liquid.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403 + P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

CAS-No.	8022-07-9
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#### Hazardous components

Component	Classification	Concentration
Oils, yarrow		
	Flam. Liq. 4; H227	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

### 5.2 Special hazards arising from the substance or mixture

No data available

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

### 5.4 Further information

Use water spray to cool unopened containers.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Oils, yarrow	8022-07-9	TWA	10.000000 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits
		TWA	5.000000 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a) Appearance	Form: clear light blue, liquid
b) Odor	No data available
c) Odor Threshold	No data available
d) pH	No data available
e) Melting point	No data available
f) Freezing point	No data available
g) Initial boiling point	No data available
h) Flash point	68 °C (154.4 °F) - closed cup
i) Evaporation rate	No data available
j) Flammability (solid, gas)	No data available
k) Upper/lower flammability or explosive limits	No data available
l) Vapour pressure	No data available
m) Vapour density	No data available
n) Relative density	0.905 g/cm <sup>3</sup> at 25 °C (77 °F)
o) Water solubility	Insoluble
p) Partition coefficient: n-octanol/water	No data available
q) Auto-ignition temperature	No data available
r) Decomposition temperature	No data available

### 9.2 Other safety information

No data available

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Heat, flames and sparks.

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

In the event of fire: see section 5.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

No data available

#### Inhalation

No data available

**Dermal toxicity**

No data available

**Skin corrosion/irritation**

Irritant to skin and mucous membranes.

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

Dermatitis. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. ECOLOGICAL INFORMATION

**12.1 Ecotoxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**12.6 Other adverse effects**

No data available

## 13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods****Product**

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

<b>UN Number</b>	N/A
<b>UN Proper shipping name</b>	N/A
<b>Road (U.S. DOT)</b>	Not dangerous goods
<b>Air (IATA)</b>	Not dangerous goods
<b>Sea (IMDG)</b>	Not dangerous goods

<b>Packing group</b>	N/A
<b>Proper shipping name</b>	Not regulated
<b>Poison Inhalation Hazard</b>	No
<b>Class</b>	NONE

## 15. REGULATORY INFORMATION

### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards

Fire Hazard

### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

### Pennsylvania Right To Know Components

Oils, yarrow — CAS-No. 8022-07-9 — Revision Date 2019-06-07

### New Jersey Right To Know Components

Oils, yarrow — CAS-No. 8022-07-9 — Revision Date 2019-06-07

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## 16. OTHER INFORMATION

### Full text of H-Statements referred to under sections 2 and 3.

<b>Flam. Liq.</b>	Flammable liquids
<b>H227</b>	Combustible liquid.

<b>HMIS Rating</b>	<b>NFPA Rating</b>
Health hazard: 1	Health hazard: 0
Chronic Health Hazard: —	Fire Hazard: 2
Flammability: 2	
Physical Hazard: 0	

### Further information

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24/07/2023

**DATE: July 2025**

PRODUCT DESCRIPTION	PHYSICAL CONSTANTS AT 20°C
<b>Organoleptic Result</b>	<b>Refractive Index (USP &lt;831&gt;):</b> 1.491
<b>Aroma</b> : Conforms to standard	<b>Specific Gravity (USP &lt;841&gt;):</b> 0.892
<b>Appearance</b> : Conforms to standard	<b>Optical Rotation (USP &lt;781&gt;):</b> n/a
<b>Color</b> : Conforms to standard	

**ANALYSIS METHOD:**

Gas chromatography (GC/FID) + GC/MS-SCAN

Components are identified by GC-MS being processed by "Total Ion Chromatogram" mode, and quantified by GC-FID, using the relative area percentage.

<b>Product name :</b>	Yarrow Essential Oil
<b>Product Type :</b>	Essential oil
<b>Label Name :</b>	Greek Yarrow Organic Essential Oil
<b>BATCH No :</b>	E1001954
<b>Date of Production :</b>	July 2025
<b>Date of Expiration :</b>	July 2030
<b>Origin :</b>	Greece

## GC ANALYSIS

Compounds	CAS No	%	Chemical Family
Alpha-Pinene	80-56-8	3.60	Monoterpene
Beta-Pinene	127-91-3	12.55	Monoterpene
Sabinene	3387-41-5	17.06	Monoterpene
Beta-Myrcene	123-35-3	0.62	Monoterpene
Alpha-Thujene	2867-05-2	0.49	Monoterpene
Alpha-Terpinene	99-86-5	0.61	Monoterpene
Limonene	5989-27-5	0.85	Monoterpene
1,8-Cineole	470-82-6	4.54	Monoterpenic Ether
Gamma-Terpinene	99-85-4	0.95	Monoterpene
Trans-Beta Ocimene	3779-61-1	0.35	Monoterpene
Artemisia Ketone	546-49-6	0.31	Monoterpenic Ketone
Camphor	76-22-2	0.49	Monoterpenic Ketone
Beta-Bourbonene	5208-59-3	0.60	Sesquiterpene
Bornyl Acetate	76-49-3	0.37	Monoterpenic Ester
Lavandulyl Acetate	25905-14-0	0.36	Ester
Terpinen-4-ol	562-74-3	3.04	Monoterpenic Alcohol
Alpha-Humulene	6753-98-6	1.98	Sesquiterpene
Alpha-Terpineol	98-55-5	0.31	Monoterpenic Alcohol

Germacrene D	23986-74-5	14.2	Sesquiterpene
Alpha-Zingiberene	495-60-3	0.87	Sesquiterpene
Caryophyllene Oxide (Isomer I)	1139-30-6	1.75	Sesquiterpenic Epoxide
Beta-Caryophyllene	87-44-5	12.86	Sesquiterpene
Trans-Nerolidol	40716-66-3	0.41	Sesquiterpenic Alcohol
Chamazulene	529-05-5	7.30	Aromatic Hydrocarbon
1,5-Heptadien-4-one, 3,3,6-trimethyl	546-49-6	5.21	Terpenoid