AW Nexus Group ul. Olimpijska 2, 81-538 Gdynia NIP: 5881771302 | Tel 786 686 068 https://aromapremium.eu/ kontakt@aromapremium.eu	**MSDS Vitex (Chasteberry) Oil**

PRODUCT DESCRIPTION	**PHYSICO-CHEMICAL DATA**
Botanical name : *Agnus castus* **INCI name :** Agnus castus leaf Oil **Quality :** 100% Pure and Natural **Solubility :** Soluble in alcohols and fixed oils; Insoluble in water	**Specific gravity :** n/a **Refractive index :** n/a **Optical rotation at 20°C :** n/a
DESCRIPTION	**MANUFACTURING DETAILS**
Odour : Bright, fresh and characteristic **Note classification :** Top to middle Note **Appearance :** Clear, Mobile Liquid **Colour :** Clear orange colored	**Parts used :** Berries **Extraction Method :** Steam Distilled Essential Oil **Cultivation :** Conventional
LEGISLATION	**STABILITY AND STORAGE**
CAS-No : 91722-47-3 **EINECS :** 294-446-5	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

Product name	Vitex (Chasteberry) Oil
Brand	Vessel Essential Oils
CAS-No.	91722-47-3

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

Identified uses	Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

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

1.4 Numer telefonu alarmowego

W nagłych przypadkach związanych z narażeniem na produkt:
Ośrodki Informacji Toksykologicznej (całodobowe):

• Ośrodek Kontroli Zatruć, 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 Błeńskiej, 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.	91722-47-3

Hazardous components

Component	Classification	Concentration
Oils, vitex		
	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, vitex	91722-47-3	TWA	10.000000 mg/m³	USA. NIOSH Recommended Exposure Limits
		TWA	5.000000 mg/m³	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, liquid
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	204 °C (399 °F) - lit.
g) Flash point	65 °C (149 °F) - closed cup
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	0.980 g/cm³ at 25 °C (77 °F)
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	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
LD50 Oral - Rat - 4,250 mg/kg
Inhalation: No data available
LD50 Dermal - Rabbit - > 5,000 mg/kg
Skin corrosion/irritation
Skin - Rabbit
Result: Mild skin irritation
Serious eye damage/eye irritation
No data available
Respiratory or skin sensitisation
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

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

Sea (IMDG)	Not dangerous goods
Packing group	N/A
Proper shipping name	Not regulated
Poison Inhalation Hazard	No
Class	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, vitex — CAS-No. 91722-47-3 — Revision Date 1989-08-11
New Jersey Right To Know Components
Oils, vitex — CAS-No. 91722-47-3 — Revision Date 1989-08-11
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.

Flam. Liq.	Flammable liquids
H227	Combustible liquid.

HMIS Rating	**NFPA Rating**
Health hazard: 1 Chronic Health Hazard: — Flammability: 2 Physical Hazard: 0	Health hazard: 0 Fire Hazard: 2

Further information
 The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Vessel Essential Oils and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

12/10/2023

DATE: July 2025

PRODUCT DESCRIPTION	PHYSICAL CONSTANTS AT 20°C
Organoleptic Result	**Refractive Index (USP <831>):** 1.471
Aroma : Conforms to standard	**Specific Gravity (USP <841>):** 0.912
Appearance : Conforms to standard	**Optical Rotation (USP <781>):** + 2.1°
Color : 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.

Product name :	Vitex Essential Oil
Product Type :	Essential oil
Label Name :	Greek Vitex Essential Oil
BATCH No :	E1001952
Date of Production :	July 2025
Date of Expiration :	July 2030
Origin :	Greece

GC ANALYSIS

Compounds	CAS No	%	Chemical Family
Alpha-pinene	80-56-8	9.10	Monoterpene
Camphene	79-92-5	0.05	Monoterpene
Sabinene	3387-41-5	22.03	Monoterpene
Beta-pinene	127-91-3	1.11	Monoterpene
Alpha-Phellandrene	99-83-2	0.42	Monoterpene
Alpha-Terpinene	99-86-5	0.80	Monoterpene
Para-Cymene	99-87-6	0.82	Monoterpene
1,8-Cineole	470-82-6	22.91	Monoterpenic Ether
Gamma-Terpinene	99-85-4	1.16	Monoterpene
Beta-Myrcene	123-35-3	2.74	Monoterpene
Terpinolene	586-62-9	0.35	Sesquiterpene
Limonene	5989-27-5	3.40	Monoterpene
Alpha-Terpinyl Acetate	80-26-2	5.06	Aliphatic Ester
trans-Beta Ocimene	3779-61-1	1.11	Monoterpene
Citronellyl Acetate	67601-05-2	0.26	Aliphatic Ester
Alpha-Guruzene	489-40-7	0.67	Sesquiterpene
Alloaromadendrene	25246-27-9	1.31	Sesquiterpene
Germacrene D	23986-74-5	0.35	Sesquiterpene

Bicyclogermacrene	24703-35-3	3.22	Sesquiterpene
Spathulenol	6750-60-3	0.57	Aliphatic Alcohol
Ledol	577-27-5	0.45	Aliphatic Alcohol
Cubitene	66723-19-1	0.25	Sesquiterpene
Linalool	78-70-6	0.18	Monoterpenic Alcohol
Terpinen-4-ol	562-74-3	1.35	Monoterpenic Alcohol
Trans-Beta-Caryophyllene	87-44-5	5.77	Sesquiterpene
cis-Beta-Farnesene	28973-97-9	0.46	Sesquiterpene
trans-Beta-Farnesene	18794-84-8	6.90	Sesquiterpene
Alpha-Terpineol	98-55-5	0.77	Monoterpenic Alcohol