

**AW Nexus Group**

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**MSDS Greek Mastic Essential Oil****PRODUCT DESCRIPTION**

**Botanical name :** Pistacia lentiscus  
**INCI name :** Pistacia lentiscus leaf oil  
**Quality :** 100% Pure and Natural  
**Solubility :** Soluble in alcohols and fixed oils; Insoluble in water

**DESCRIPTION**

**Odour :** Bright, Fresh, Characteristic  
**Note classification :** Top to middle Note  
**Appearance :** Clear, Mobile Liquid  
**Colour :** Colorless

**LEGISLATION**

**CAS-No :** 68991-39-9  
**EINECS :** 90082-82-9

**PHYSICO-CHEMICAL DATA**

**Specific gravity :** 0.857-0.903  
**Refractive index :** 1.469-1.476  
**Optical rotation at 20°C :** +22° to +35°

**MANUFACTURING DETAILS**

**Parts used :** Leaves, seeds and branches  
**Extraction Method :** Steam Distilled Essential Oil  
**Cultivation :** Wild harvested

**STABILITY AND STORAGE**

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.

**ORGANOLEPTIC RESULT**

**Aroma :** Conforms to standard  
**Appearance :** Conforms to standard  
**Color :** Conforms to standard

**PHYSICAL CONSTANTS AT 20°C**

**Refractive Index (USP <831>) :** 1.469  
**Specific Gravity (USP <841>) :** 0.890  
**Optical Rotation (USP <781>) :** +23°

**ANALYSIS METHOD**

Gas chromatography (GC/FID) area % according to normalization method.

**PRODUCT DETAILS**

**Product name :** Mastic Essential Oil  
**Product Type :** Essential Oil  
**Label Name :** Greek Mastic Essential Oil  
**BATCH No :** E1001392  
**Date of Production :** July 2023  
**Date of Expiration :** July 2028  
**Origin :** Greece

**GC ANALYSIS**

Compounds	CAS No	%	Chemical Family
Alpha-Pinene	80-56-8	28.09	Monoterpene

Alpha-Thujene	2867-05-2	1.00	Monoterpene
Camphene	79-92-5	1.76	Monoterpene
Beta-Pinene	127-91-3	6.40	Monoterpene
Sabinene	3387-41-5	1.81	Monoterpene
Beta-Myrcene	123-35-3	2.85	Monoterpene
Alpha-phellandrene	99-83-2	2.87	Sesquiterpene
Alpha-Terpinene	99-86-5	2.80	Monoterpene
Limonene	138-86-3	17.87	Monoterpene
Beta-phellandrene	87-44-5	5.29	Sesquiterpene
Gamma-Terpinene	99-85-4	4.46	Monoterpene
Para-Cymene	99-87-6	1.54	Monoterpene
Terpinolene	586-62-9	1.76	Monoterpene
Terpinen-4-ol	562-74-3	2.42	Monoterpenic Alcohol
Beta-caryophyllene	87-44-5	1.64	Sesquiterpene
Alpha-humulene	6753-98-6	1.67	Sesquiterpene
Germacrene D	28387-44-2	2.06	Sesquiterpene
D-Cadinene	483-76-1	1.76	Sesquiterpene
Cubenol	21284-22-0	0.35	Sesquiterpenoid
T-Cadinol	5937-11-1	0.33	Sesquiterpenoid
Alpha-Muurolol	19435-97-3	0.39	Sesquiterpenoid
Alpha-Cadinol	481-34-5	0.55	Sesquiterpenoid
Benzyl benzoate	120-51-4	0.03	Ester

Analysis Method: Gas chromatography (GC/FID) area % according to normalization method.

# MSDS Greek Mastic Essential Oil

## 1.1 Product identifiers

Product name	Mastic Oil
Brand	Vessel Essential Oils
CAS-No.	68991-39-9

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

Identified uses	Laboratory chemicals, Manufacture of substances
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## 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 <a href="https://aromapremium.eu/">https://aromapremium.eu/</a>   <a href="mailto:kontakt@aromapremium.eu">kontakt@aromapremium.eu</a>

## 1.4 Emergency telephone number

W nagłych przypadkach związanych z narażeniem na produkt:

**Óśrodki Informacji Toksykologicznej (całodobowe):**

## 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

## 3.1 Substances

CAS-No. : 68991-39-9

### Hazardous components

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

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

## 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

#### 5.1 Extinguishing media

##### Suitable 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.

#### 6.1 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.

#### 7.1 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.

#### 8.1 Control parameters

##### Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Oils, mastic	68991-39-9	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.

##### Personal protective equipment

###### 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.

# MSDS Greek Mastic Essential Oil

## 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	No data available
g) Flash point	66 °C (96.8 °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	0.875 g/cm <sup>3</sup> 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

### 10.1 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.

## 11.1 Information on toxicological effects

### Acute toxicity

No data available

**Inhalation:** In high concentrations, vapors may irritate throat and respiratory system and cause coughing.

### Skin corrosion/irritation

No specific health warnings noted.

### Serious eye damage/eye irritation

No data available

### Respiratory or skin sensitisation

No data available

### Germ cell mutagenicity

No data available

### Carcinogenicity

<b>IARC:</b>	No component of this product present at levels $\geq 0.1\%$ is identified as probable, possible or confirmed human carcinogen by IARC.
<b>ACGIH:</b>	No component of this product present at levels $\geq 0.1\%$ is identified as a carcinogen or potential carcinogen by ACGIH.

<b>NTP:</b>	No component of this product present at levels $\geq$ 0.1% is identified as a known or anticipated carcinogen by NTP.
<b>OSHA:</b>	No component of this product present at levels $\geq$ 0.1% is identified as a carcinogen or potential 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.

**12.1 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

**13.1 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.

<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

**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, mastic — CAS-No. 68991-39-9 — Revision Date 2018-08-11

**New Jersey Right To Know Components**

Oils, mastic — CAS-No. 68991-39-9 — Revision Date 2018-08-11

**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.

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

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

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

**Further information**

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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