



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1: Identification

Mastic Essential Oil

Product Name: Mastic Essential Oil

Common Name: Mastic Oil, Lentisque Essential Oil, Mastic Gum Essential Oil

Botanical Name: *Pistacia lentiscus* L.

INCI Name: *Pistacia Lentiscus* Leaf Oil* or *Pistacia Lentiscus* Gum Oil*

CAS Number: 90082-82-9 (Leaf Oil) / 61789-92-2 (Leaf-derived oil, supplier designation) /
Resin-derived oil may use different supplier references.

EC Number: 290-174-6 (commonly used for leaf oil).

Plant Part: Leaves (steam-distilled) or Natural Resin (Mastic Gum), depending on the commercial product.

Extraction Method: Steam Distillation

Country of Origin: Greece (Chios), Morocco, or Mediterranean Region

Product Type: Natural Essential Oil

Recommended Use

- Professional perfumery
- Cosmetic ingredient
- Personal care formulations
- Aromatherapy
- Fragrance manufacture

Mastic Essential Oil is obtained by steam distillation of either the leaves or the natural resin (gum) of *Pistacia lentiscus*. It possesses a fresh, green, balsamic, resinous, woody aroma and is widely used in fine fragrance, skincare and cosmetic formulations.

Supplier

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SECTION 2: Hazard Identification

GHS Classification (Representative Supplier Assessment)



- Aspiration Hazard – Category 1
- Skin Irritation – Category 2
- Skin Sensitisation – Category 1
- Eye Irritation – Category 2
- Hazardous to the Aquatic Environment (Chronic) – Category 1

Signal Word

Danger

Hazard Statements

- 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.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

- P261 Avoid breathing vapours.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P301+P310 IF SWALLOWED: Immediately call a poison centre or physician.
- P331 Do NOT induce vomiting.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water.

SECTION 3: Composition / Information on Ingredients

Component	CAS Number	Concentration
<i>Pistacia lentiscus</i> Essential Oil	90082-82-9 / 61789-92-2	100%

Representative Naturally Occurring Constituents

The essential oil typically contains:

- α -Pinene
- Myrcene
- Limonene
- β -Pinene
- Terpinen-4-ol
- α -Terpineol
- Sabinene
- Camphene
- p-Cymene
- 1,8-Cineole
- Caryophyllene



The exact composition varies according to botanical source (leaf or resin), geographical origin and harvest conditions.

SECTION 4: First Aid Measures

Inhalation

Move to fresh air.

Seek medical advice if symptoms persist.

Skin Contact

Wash immediately with soap and water.

Remove contaminated clothing.

Eye Contact

Flush cautiously with clean water for at least 15 minutes.

Seek medical attention if irritation persists.

Ingestion

Rinse mouth.

Do NOT induce vomiting.

Seek immediate medical attention because of aspiration hazard.

SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media

- Carbon dioxide
- Dry chemical powder
- Alcohol-resistant foam
- Water fog

Unsuitable Media

Direct water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic smoke

Firefighters should wear self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

- Wear appropriate PPE.
- Eliminate ignition sources.
- Prevent environmental release.
- Absorb using inert material.
- Dispose of waste according to local regulations.



SECTION 7: Handling and Storage

Handling

- Avoid prolonged skin contact.
- Avoid breathing concentrated vapours.
- Use adequate ventilation.
- Observe good industrial hygiene.

Storage

Store:

- Between 15–25 °C
- In tightly sealed containers
- Protected from light and air
- Away from heat and oxidising agents

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

General mechanical ventilation.

Eye Protection

Safety goggles.

Hand Protection

Nitrile gloves.

Respiratory Protection

Organic vapour respirator where ventilation is inadequate.

Skin Protection

Protective clothing.

SECTION 9: Physical and Chemical Properties

Property	Typical Value
Appearance	Colourless to pale yellow liquid
Odour	Fresh, balsamic, green, resinous, woody
Physical State	Liquid
Relative Density (20 °C)	0.850–0.875
Refractive Index (20 °C)	1.465–1.485
Optical Rotation	–13° to +4°
Flash Point	Approximately 50–65 °C (batch dependent)
Solubility	Soluble in alcohol and fixed oils; insoluble in water

Representative values vary according to source material and harvest.



SECTION 10: Stability and Reactivity

Stable under recommended storage conditions.

Avoid

- Strong oxidising agents
- Excessive heat
- Open flames
- Direct sunlight

Hazardous Decomposition Products

- Carbon monoxide
- Carbon dioxide
- Irritating fumes

SECTION 11: Toxicological Information

Routes of Exposure

- Skin
- Eyes
- Inhalation
- Ingestion

Potential Effects

- Skin irritation.
- Allergic skin reaction in susceptible individuals.
- Eye irritation.
- Aspiration hazard if swallowed.
- Low acute toxicity under intended professional fragrance use.

SECTION 12: Ecological Information

Avoid release into waterways.

Essential oils may be toxic to aquatic organisms at concentrated levels.

SECTION 13: Disposal Considerations

Dispose of contents and packaging through an authorised waste disposal contractor.

Do not discharge into drains.

SECTION 14: Transport Information



Item	Information
UN Number	Not universally regulated; classification depends on packaging and shipment
Proper Shipping Name	Environmentally Hazardous Substance (where applicable)
Hazard Class	Determined by shipment
Packing Group	Determined by shipment

SECTION 15: Regulatory Information

Prepared with reference to:

- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EC) No. 1272/2008 (CLP)
- Commission Regulation (EU) 2020/878
- OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 16: Other Information

This Safety Data Sheet applies to Mastic Essential Oil, a natural essential oil obtained by steam distillation of either the leaves or the natural resin (gum) of *Pistacia lentiscus*. As a Natural Complex Substance (NCS), its composition varies according to botanical source, geographical origin, harvest season and distillation method. The oil is naturally rich in monoterpenes such as α -pinene, myrcene and limonene, contributing to its fresh balsamic aroma and potential skin sensitisation. This SDS represents a professional supplier template and should be supported by batch-specific analytical documentation where available.

Authorised by

Fozia Khot

Director

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