



# Mastic Oil – Mastiha Oil

## Safety Data Sheet

(In conformity with the directive 91|155 CE)

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Manufacturer| Supplier: CHIOS GUM MASTIC GROWERS ASSOCIATION  
Product Code: T0231  
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### 1. PRODUCT IDENTIFICATION

*Commercial name:* Mastic Oil, (Mastiha Oil) Mastic Oleoresin  
*Scientific name:* Pistacia Lentiscus  
*Preparation:* From Mastic Gum, which is the concrete of Pistacia Meniscus L., var. Chia.  
*Natural occurrence:* The air-dried resinous exudation from P. Lentiscus L. (Fam. Anacardiaceae), a shrub of small evergreen tree (Guenther, 1952). The tree is native to the Mediterranean region and principally cultivated on the Greek island of Chios.  
*Genetically Modified Organisms (GMO):* The product does not contain Genetically Modified Organisms and/or any products derived from such organisms.

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### 2. CHEMICAL NATURE OF PRODUCT

*Natural product:* Yes  
*No CAS:* 61789-92-2  
*Declaration EINECS:* 263-098-6  
*Restriction:* Without

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### 3. DANGER IDENTIFICATION

No specific hazard known.

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#### 4. **FIRST AID**

*In case of skin contact:*

No reactions are produced (Spott and Shelley, 1970). Wash the skin with soap and water.

*In case of contact with the eyes:*

Wash with soft, clean water for 15 minutes holding the eyelids open.

*In case of shallow:*

If the quantity is small, rinse the mouth with water and consult a doctor. In other case, call a doctor to access the need for treatment in hospital.

#### 5. **MEASURES FOR FIRE FIGHTING**

*Means of extinction:*  
extinguisher.

Carbon dioxide, powder or foam fire

*Extinguishing agents not to be used:*

Water is not generally recommended since it can be ineffective; however, it can be used successfully to cool containers exposed to the fire and to disperse fumes.

*Protective equipment for fire-fighters:*

They must be equipped with autonomous insulating breathing apparatus. A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. Prevent the effluent of fire-fighting measures from entering drains or waterways.

#### 6. **MEASURES APPLICABLE IN CASE OF ACCIDENTAL SPILLAGE**

*Safety precautions:*

Eliminate any possible source of ignition and ventilate the premise.

Avoid inhaling the fumes.

Consult the safety measures listed under headings 7 and 8.

*Environmental safety precautions:*

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatom earth in drums for waste disposal.

*Cleaning methods:*

Clean preferably with a detergent. Do not use solvents.

#### 7. **HANDLING AND STORAGE IN PRODUCTION AREA**

Handle in well ventilated areas.

Prevent the accumulation of electrostatic charges with connections to earth.





It is advised to use glasses and gloves, not to breath the emitted vapours.  
Keep packages tightly closed and away from source of heat, spark and naked flames.  
Do not use tools, which may produce sparks. Do not smoke. Avoid already used packaging.

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## **8. EXPOSURE CONTROL AND INDIVIDUAL PROTECTION**

The protection of the hands and eyes by wearing protective gloves and glasses is advised.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

<i>Physical form:</i>	Resinous liquid.
<i>Color:</i>	Colourless to light yellow.
<i>Odor:</i>	Characteristic, green and rustic odour (Naves 1974).
<i>Solubility:</i>	Insoluble in ethyl alcohol 1%. Insoluble in water 1%.
<i>Moisture:</i>	Max. 5%
<i>Total Ash:</i>	0,02%

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## **10. STABILITY AND REACTIVITY**

<i>Thermal decomposition:</i>	Stable under normal conditions of use. When exposed to high temperatures, the preparation may release carbon dioxide as decomposition product.
<i>Hazardous decomposition:</i>	None.
<i>Hazardous reactions:</i>	None under normal conditions.

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## **11. TOXICOLOGICAL INFORMATION**

<i>Acute toxicity:</i>	The oral LD50 in rats exceeded 5g kg based on 3 10 deaths at that dose, and the dermal LD50 in rabbits exceeded 5g kg based on 0 3 deaths (Palanker and Lewis, 1979).
<i>Skin Irritation:</i>	As part of a dermal LD50 study, 5g kg of the undiluted material produced no irritation on rabbits after an occluded application for 24 hr (Palanker and Lewis, 1979) . A 48-hr patch test with 8% in petrolatum on the backs of 61 volunteers no irritation (Epstein, 1979).

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## **12. FOOD LEGISLATION INFORMATION**





The Council of Europe (1981) included mastic in the list of plants and parts thereof, which are acceptable for use in foods.

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### **13. ECOLOGICAL INFORMATION**

The product must not be allowed to run into drains or waterways.  
No ecotoxicologic information about this product known at this time.

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### **14. ELIMINATION CONSIDERATIONS**

Do not pour into drains or waterways. Comply with national and regional regulations in force.

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### **15. TRANSPORT INFORMATION**

Non-hazardous product.

Classification: <i>RID ADR:</i>	Not available ( n.a.)
<i>IMDG:</i>	n.a.
<i>ICAO IATA:</i>	n.a.
<i>No ONU:</i>	n.a.

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### **16. REGULATORY INFORMATION**

*Labelling according to EEC regulations:* 88| 379 & 91|155  
*Specific labelling:* Without specific labelling  
*Harmful:*  
*Irritant:*

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### **17. OTHER INFORMATION**

This information is based on today's knowledge of the product.  
It's entirely the user's responsibility to secure the proper handling, storage and utilization of the product. The user is advised for consequences stemming from misuse of its product.

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This product is manufactured according to laws and regulations of the European Union regarding food products. This specification is carefully drawn up and represents our current knowledge. The Chios Gum Mastic Growers Association cannot be held liable for any damage resulting from willful acts or gross negligence

