

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2015/830 and Regulation No 1272/2008/EC (CLP)**

Printing date 30.06.2020

Version number 1

Revision: 30.06.2020

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Trade name: Oregano oil, Origanum Vulgare**

**EC number:**

947-697-6

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

No further relevant information available.

**Application of the substance / the mixture:** Essential oil

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

Aetherial Oils

Address: Karathanasi & Vlahakou

Postal Code: 56224, Evosmos, Thessaloniki, Greece

Tel.: +306947521926

e-mail: aetherialsales@gmail.com

### 1.4 Emergency telephone number:



European Emergency Tel.: 112

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation EC No 1272/2008 CLP:**



GHS08 health hazard

Asp. Tox. 1            H304 May be fatal if swallowed and enters airways.



GHS05 corrosion

Eye Dam. 1            H318 Causes serious eye damage.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Acute Tox. 4            H302 Harmful if swallowed.

Skin Irrit. 2            H315 Causes skin irritation.

Skin Sens. 1B            H317 May cause an allergic skin reaction.

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**2.2 Label elements****Labelling according to Regulation EC No 1272/2008 CLP:**

The substance is classified and labelled according to the CLP regulation.

**Hazard pictograms:**

GHS05 GHS07 GHS08 GHS09

**Signal word:** Danger**Hazard-determining components of labelling:**Carvacrol-rich essential oil obtained from the leaves of *Origanum* spp., Labiatae, by distillation**Hazard statements:**

H302 Harmful if swallowed.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H317 May cause an allergic skin reaction.  
 H304 May be fatal if swallowed and enters airways.  
 H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P331 Do NOT induce vomiting.  
 P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.1 Chemical characterisation: Substances****CAS No. Description**Carvacrol-rich essential oil obtained from the leaves of *Origanum* spp., Labiatae, by distillation**Identification number(s)****EC number:** 947-697-6

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**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out into the fresh air.

Seek immediate medical advice.

**After inhalation:**

Supply fresh air and to be sure call for a doctor.

If breathing is difficult, remove to fresh air. Restore breathing. Keep warm and quiet. Notify physician.

In case of unconsciousness place patient stably in side position for transportation.

Seek medical treatment in case of complaints.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

Wash the skin immediately with soap and water.

**After eye contact:**

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

Check for and remove any contact lenses.

Continue to rinse for at least 15 minutes.

Get medical attention if irritation occurs.

Avoid strong water jet-risk of cornea damage, consult a doctor.

**After swallowing:**

Do not induce vomiting; call for medical help immediately.

Rinse mouth with water.

Never give anything by mouth to an unconscious person.

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

May be fatal if swallowed and enters airways.

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

In case of swallowing or vomiting there is a risk of invasion of the lungs.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

**Suitable extinguishing agents:** Foam, CO<sub>2</sub>, Drychemical, Water + additives

**For safety reasons unsuitable extinguishing agents:** Water

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

**5.3 Advice for firefighters****Protective equipment:**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Wear protective goggles.

**Additional information**

Avoid breathing vapours.

If necessary, cool down the closed containers by water aspersion after removing them from fire area.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

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Avoid flames and other sources of ignition.

**6.1.1 For non-emergency personnel**

Avoid contact with dripping or leaking material

Use personal protective equipment.

Ensure sufficient ventilation.

Contact emergency personnel.

**6.1.2 For emergency responders**

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

**6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Do not allow to penetrate the ground/soil.

**6.3 Methods and material for containment and cleaning up:**

The major spillage must be absorbed with inert materials which should then be swept away and destroyed according to the regulations in force.

Discard tissues, sponges, etc used to absorb the spillings, and destroy by incineration.

Dispose contaminated material as waste according to item 13.

Send for recovery or disposal in suitable receptacles.

**6.4 Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Open and handle receptacle with care.

Handle products in well ventilated areas.

Do not inhale warm vapours.

**Information about fire - and explosion protection:**

Do not ingest as such, avoid contact with the product, do not smoke in areas where the product is handled, do not heat with direct flame or expose the vapours to a flame or any source of ignition.

When incorporating the product to then production batch, it must be kept at a relatively low temperature. When the

temperature needs to be increased, it should be done in a limited way and for the shortest possible time.

**7.2 Conditions for safe storage, including any incompatibilities****Storage:** Store in cool, dry conditions in well sealed receptacles.**Requirements to be met by storerooms and receptacles:**

To minimise product degradation, avoid prolonged exposure of the material to air. Keep container tightly closed when not in use.

Store in a cool location.

Prevent any seepage into the ground.

**Information about storage in one common storage facility:**

Do not store in close proximity to heat, sparks, open flames, strong acids, strong bases.

**Further information about storage conditions:**

Keep container tightly sealed.

Store under lock and key and with access restricted to technical experts or their assistants only.

Store under lock and key and out of the reach of children.

**7.3 Specific end use(s)** No further relevant information available.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:** Not required.

### 8.2 Exposure controls

#### 8.2.1. Appropriate engineering controls

Provide adequate ventilation.

If necessary, extract vapours directly from the emission source.

#### Personal protective equipment

##### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

##### Respiratory protection:



In case of insufficient ventilation use suitable respiratory protective device.

If vapor concentration is high use an organic vapour respirator

##### Protection of hands:



Protective gloves

EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

##### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

##### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions.

Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

##### Eye protection:



Tightly sealed goggles (EN 166).

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**Body protection:**

Protective work clothing

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Colorless to yellowish
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined

**pH value:** Not determined

**Melting point/freezing point:** -84.5 °C

**Initial boiling point and boiling range:** 219.4 °C

**Flash point:** 75 °C

**Flammability (solid, gas):** Not applicable

**Auto-ignition temperature:** 443 °C

**Decomposition temperature:** Not determined

**Explosive properties:** Product does not present an explosion hazard.

**Explosion limits:**

**Lower:** Not determined

**Upper:** Not determined

**Oxidising properties:** Not oxidising

**Vapour pressure:** Not determined

**Density at 20 °C:** 944.5 kg/m<sup>3</sup>

**Relative density at 20 °C:** 0.944

**Vapour density:** Not determined

**Evaporation rate:** Not determined

**Solubility in / Miscibility with water:** Not determined

**Partition coefficient: n-octanol/water at 25 °C:** 2.6-6.7 logKOW

**Viscosity:**

**Dynamic:** Not determined

**Kinematic:** Not determined

**9.2 Other information:** No further relevant information available.

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**SECTION 10: Stability and reactivity****10.1 Reactivity** Stable under normal conditions**10.2 Chemical stability** Material is stable under normal conditions.**Thermal decomposition / conditions to be avoided** Stable at environment temperature.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid**

Prolonged or excessive heat and/or exposure to air may cause decomposition or oxidation of the material.

Avoid high temperatures and sources of ignition.

**10.5 Incompatible materials** No further relevant information available.**10.6 Hazardous decomposition products** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Harmful if swallowed.

**LD/LC50 values relevant for classification:**

Acute toxicity, oral in rats: LD50 = 1850 mg/kg bw (equivalent or similar to OECD 401, K, Rel. 2)

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye damage.

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

**Repeated dose toxicity** Based on available data, the classification criteria are not met.**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)****Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard**

The product is classified Aspiration toxicity Category 1

May be fatal if swallowed and enters airways.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:**

Aquatic Invertebrates: 48-h EL50 was 5.8 mg test material/L

Freshwater Invertebrates: EC50/LC50: 5.8 mg/L

Aquatic algae: 72-h ErL50 was 7.7 mg test material/L

Freshwater algae: EC50: 7.7 mg/L

**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**Ecotoxicological effects:****Remark:** Toxic for fish

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**Additional ecological information:****General notes:**

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Also poisonous for fish and plankton in water bodies.

The product contains materials that are harmful to the environment.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

Prohibit any dispersion in the environment (air, water, ground). Conform to local regulations to remove waste and recipients: it is recommended to contact an authorised authority.

**Uncleaned packaging:****Recommendation:**

Always keep original label(s) on empty recipients (drums/pails).

Disposal must be made according to official regulations.

**SECTION 14: Transport information****14.1 UN-Number**

ADR, IMDG, IATA

UN3082

**14.2 UN proper shipping name**

ADR

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., MARINE POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**14.3 Transport hazard class(es)**

ADR, IMDG, IATA



**Class**  
**Label**

9 Miscellaneous dangerous substances and articles.

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<b>14.4 Packing group</b>	III
<b>ADR, IMDG, IATA</b>	III
<b>14.5 Environmental hazards:</b>	Environmental Hazardous
<b>Marine pollutant:</b>	Yes
	Symbol (fish and tree)
<b>Special marking (ADR):</b>	Symbol (fish and tree)
<b>Special marking (IATA):</b>	Symbol (fish and tree)
<b>14.6 Special precautions for user</b>	Warning: Miscellaneous dangerous substances and articles.
<b>Hazard identification number (Kemler code):</b>	90
<b>EMS Number:</b>	F-A,S-F
<b>Stowage Category</b>	A
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.

**Transport/Additional information:**

<b>ADR</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	-

<b>IMDG</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>UN "Model Regulation":</b>	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2015/830

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as ammended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as ammended

**Directive 2012/18/EU****Named dangerous substances - ANNEX I** Substance is not listed.**Seveso category E2** Hazardous to the Aquatic Environment**Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

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**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

Substance is not listed.

**National regulations:****Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

The substance is not SVHC.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Training hints**

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

**Department issuing SDS:**

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**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 SVHC: Substances of Very High Concern  
 vPvB: very Persistent and very Bioaccumulative  
 Acute Tox. 4: Acute toxicity - oral – Category 4  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
 Skin Sens. 1B: Skin sensitisation – Category 1B  
 Asp. Tox. 1: Aspiration hazard – Category 1  
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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