

SAFETY DATA SHEET

EC Regulation No.1907/2006 (REACH) & 1272/2008 (CLP)

THIS PRODUCT IS FOR EXTERNAL USE ONLY- DO NOT INGEST

1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY

Product identifier

Commercial Name: ORIGANUM (OREGANO) OIL
INCI Name: ORIGANUM VULGARE LEAF OIL
CAS No: 84012-24-8
EINECS No: 281-670-3
TSCA CAS No: 336185-21-8
FEMA: 2660
Chemical Name:
Botanical Name: *Origanum vulgare*
Origin: Bulgaria

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

Identified use (s): Essential Oil. Perfume/fragrance material for manufacturing purposes only.

Details of the supplier of the safety data sheet

Company Name: BAY HOUSE INGREDIENTS
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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

According to the current IFRA/ IOFI 2020 Labelling Manual and Regulation (EC) No. 1272/2008 (CLP)

Symbols:



Signal word: DANGER

Hazard Class	Abbreviation	Hazard Category	Hazard Code	Hazard Statement
Acute Toxicity Oral	ATO	4	H302	Harmful if swallowed
Aspiration Hazard	AH	1	H304	May be fatal if swallowed and enters airways
Acute Toxicity Dermal	ATD	3	H311	Toxic in contact with skin
Skin Corrosion/Irritation	SCI	2	H315	Causes skin irritation
Skin Sensitisation	SS	1	H317	May cause an allergic skin reaction
Eye Damage/Irritation	EDI	1	H318	Causes serious eye damage
Skin Sensitisation	SS	1	H317	May cause an allergic skin reaction
Environmental Chronic	EHC	3	H412	Harmful to aquatic life with long lasting effects

UN Global Harmonised System Precautionary Statements (CLP)

	Prevention Statements
P210	Keep away from heat/sparks/open flames/hot surface. No smoking
P233	Keep container tightly closed
P280	Wear protective gloves/clothing, eye/face protection
P264	Wash hands thoroughly after handling
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment



	Response Statements
P303/361	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P321/363	Protective clothing should be washed before reuse
P331	Do NOT induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse.
P353	Rinse skin with water/shower.
P370/378	In case of fire: Use carbon dioxide, foam or dry powder for extinction.

	Storage and Disposal Statements
P403	Store in a well ventilated place.
P235	Keep cool
P501	Dispose of contents and container in accordance with international regulation

3. COMPOSITION/INFORMATION ON CONSTITUENTS

Nature Of Product: ORIGANUM OIL (100% Pure & Natural)

Origanum Vulgare Leaf Oil is the volatile oil distilled from the leaves of Origanum herb, Origanum vulgare L., Labiatae

EINECS No: 281-670-3
FEMA: 2660

CAS No: 84012-24-8
FDA:

TSCA CAS No: 336185-21-8
HC (%): 19

Constituents:

These indicative levels should be taken into account when determining the compliance of the essential oil under its condition of use. (IFRA/IOFI Labelling Manual 2020 - Classified constituents $\geq 0.1\%$, no Aspiration hazard & Flammability)

CONSTITUENT	CAS NUMBER	\leq %	RELEVANT GHS
Carvacrol	499-75-2	80.0	Acute Tox. 4 (Oral);H302 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Skin Sens. 1B;H317 Aquatic Acute 3;H402
p-Mentha-1,4-diene	99-85-4	6.0	Skin Irrit. 3;H316 Repr. 2;H361 Acute Tox. 5 (Oral);H303
p-Mentha-1,3-diene	99-86-5	3.0	Acute Tox. 4 (Oral);H302 Skin Irrit. 3;H316 Aquatic Acute 2;H401 Aquatic Chronic 2;H411
4-Carvomenthenol	562-74-3	3.0	Acute Tox. 4 (Oral);H302 Acute Tox. 5 (Dermal);H313 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Aquatic Acute 3;H402
Alpha terpineol	98-55-5	3.0	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Aquatic Acute 2;H401
p-Cymene	99-87-6	6.0	Skin Irrit. 3;H316 Repr. 2;H361 Aquatic Chronic 2;H411 Aquatic Acute 2;H401 Acute Tox. 5 (Oral);H303
Thymol	89-83-8	6.0	Acute Tox. 4 (Oral);H302 Skin Corr. 1B;H314 Eye Dam. 1;H318 Aquatic Acute 2;H401 Aquatic Chronic 2;H411
Eugenol	97-53-0	0.1	Acute Tox. 5 (Oral);H303 Skin Irrit. 3;H316 Eye Irrit. 2A;H319 Skin Sens. 1B;H317 Aquatic Acute 2;H401
beta-Caryophyllene	87-44-5	5.0	Skin Sens. 1B;H317 Aquatic Chronic 4;H413
Eucalyptol	470-82-6	3.0	Acute Tox. 5 (Oral);H303 Skin Irrit. 3;H316 Skin Sens. 1B;H317
Linalool	78-70-6	4.0	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Skin Sens. 1B;H317 Aquatic Acute 3;H402
l-Limonene	5989-54-8	1.0	Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410

3. COMPOSITION/INFORMATION ON CONSTITUENTS

CONSTITUENT	CAS NUMBER	<= %	RELEVANT GHS
Borneol	507-70-0	3.0	Skin Irrit. 2;H315 Aquatic Chronic 2;H411 Aquatic Acute 2;H401 Acute Tox. 5 (Oral);H303
Citral	5392-40-5	0.3	Acute Tox. 5 (Dermal);H313 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Skin Sens. 1;H317 Aquatic Acute 2;H401
Geraniol	106-24-1	0.1	Skin Sens. 1B;H317 Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Acute 3;H402 Acute Tox. 5 (Oral);H303
alpha-Pinene	80-56-8	2.0	Acute Tox. 4 (Oral);H302 Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
1-Octen-3-ol	3391-86-4	0.2	Skin Sens. 1B;H317 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Aquatic Acute 2;H401 Acute Tox. 5 (Dermal);H313 Acute Tox. 4 (Inhalation:dust,mist);H332 Acute Tox. 3 (Oral);H301
Terpinolene	586-62-9	0.1	Skin Sens. 1B;H317 Skin Irrit. 3;H316 Aquatic Chronic 1;H410 Aquatic Acute 1;H400 Acute Tox. 5 (Oral);H303
beta-Pinene	127-91-3	3.0	Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410

Allergen Constituents Information (7th Amendment Cosmetic Directive 76/768/EEC): see **Fragrance Allergen Certificate**. Batch analysis may show levels different to those indicated above, where this is available, batch specific analyzed levels can then be used instead of the indicative levels.

4. FIRST AID MEASURES

- Ingestion:** Do not induce vomiting, give a glass of water. Seek urgent medical attention and show this information.
- Inhalation:** Remove casualty to fresh air, keep respiratory passages clear and seek urgent medical attention.
- Eye contact:** Irrigate with sterile water or saline for at least 15 minutes. Seek urgent medical attention if irritation persists or tissue damage is apparent.
- Skin contact:** Remove contaminated clothing wash thoroughly with soap and water and rinse. If causes irritation after prolonged contact, if so seek medical advice.

5. FIRE-FIGHTING MEASURES

- Extinguisher:** Use CO₂, Foam or Powder extinguishers only.
DO NOT USE WATER JETS.
- Smoke/Fumes:** Avoid inhalation of smoke or fumes, may produce CO (carbon monoxide) and CO₂ (carbon dioxide).

6. ACCIDENTAL RELEASE MEASURES

- Personal Safety Precautions:** Avoid contact with skin and eyes. Wear safety gloves, clothing and glasses.
(Consult sections 7 & 8 for additional information)
- Environmental Safety Precautions:** Eliminate all sources of ignition.
Prevent any material entering drains or waterways
Absorb spills into an inert absorbent material
(e.g. proprietary oil drying granules or sand NOT sawdust or other flammable materials.)
Wash area clean with water and detergent.
Transfer all waste to an approved waste disposal container, observing national legislation.

7. HANDLING AND STORAGE

- Handling Precautions:** Only use in a well ventilated area. Observe good housekeeping procedures when handling the product. Do not eat, drink or smoke.
- Storage Precautions:** Product is stable at room temperature.
Keep away from sources of ignition.
Store in tightly sealed containers, in a cool dry place away from direct sunlight.
Prevent access by unauthorised personnel.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Respiratory Protection:** Ensure adequate ventilation.
If ventilation is insufficient use approved respirators.
- Skin/Hand Protection:** Wear personal protective equipment. Use chemical resistant safety gloves.
Polyvinyl alcohol or nitrile rubber gloves are recommended.
- Eye/Face Protection:** Wear safety glasses/visors. Ensure eye washes are available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow to brown yellow liquid
Odour:	Characteristic phenolic odour
Flash Point:	65°C
Refractive Index @ 20°C:	1.505 -1.520
Relative Density @ 20°C:	0.925 - 0.965
Solubility in water:	Insoluble

10. STABILITY AND REACTIVITY

Thermal stability: Product is stable at room temperature.
Keep away from any source of ignition.
Decomposition may release carbon dioxide, carbon monoxide and other organic compound fumes.

Hazardous reactions: Avoid strong oxidisers, acids and alkalis.

11. TOXICOLOGICAL INFORMATION

Oral LD50: 1.85g/Kg **This product is NOT intended for oral use.**

Dermal LD50: 0.48g/Kg

LD50 dosage levels are only a guideline obtained from historical data, Bay House Ingredients does not test its products on animals.

12. ECOLOGICAL INFORMATION

Ecological effects: **Origanum vulgare**
CE50/48h: 21,995 mg/l (daphnia) (OECD 202 / EU Method C.2)
ErC50(0-72h): 13 mg/l (algae) (OECD 201)
96h-LC50: 29,173 mg/l (fish) (OECD 203 / EU Method C.1)

Care must be used to prevent the product contaminating rivers, waterways or drains. Should this happen alert the relevant authorities in accordance with statutory procedures

13. DISPOSAL CONSIDERATIONS

Waste disposal: Do not pour into drains or waterways.
Comply with local and national regulations for waste disposal.
Empty containers should be washed thoroughly with detergent before being sent for disposal. Washings should be disposed of as waste.

14. TRANSPORT INFORMATION

Transport this product in compliance with and provision of, the ADR/RID for Road and Rail, IMDG for Sea and ICAO/IATA for Air transportation.

UN Shipping Name (N.O.S.): UN 2810 TOXIC LIQUID (ORIGANUM VULGARE OIL)
ADR/RID (Road/Rail): Class 6.1
IMDG/IMO (Sea): Class 6.1
ICAO/IATA (Air): Class 6.1
UN Number: 2810
Packing Group: III
Subsidiary Risk:
Packing Instructions: Miscellaneous dangerous substances and articles, transport in suitable container.

Labelling according to ADR/RID, IMDG/IMO and ICAO/IATA:

UN Shipping Name: UN 2810 TOXIC LIQUID



15. REGULATORY INFORMATION

Product Classification: ORIGANUM OIL

This product is labelled according to the criteria of Directive CLP 1272/2008/EC.

Classification:



DANGER
UN 2810

Hazard Categories:

ATO 4	Harmful if swallowed
AH 1	May be fatal if swallowed and enters airways
ATD 3	Toxic in contact with skin
SCI 2	Causes skin irritation
SS 1	May cause an allergic skin reaction
EDI 1	Causes serious eye damage
EH C3	Harmful to aquatic life with long lasting effects

16. ADDITIONAL INFORMATION

Legal disclaimer:

The information given on this material health and safety sheet is not a warranty as to the performance or suitability of the product. The information must be regarded only as a description of the health, safety and environmental requirements for that product. The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive. Bay House Ingredients is a Division of Aroma Trading Ltd, Registered No. 2698381, V.A.T. Registration No. 600 516 981 and as such, shall not be held liable for any damage resulting from handling or from contact with the product, since the conditions of use are out of our control. It is the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.