Safety Data Sheet

Oregano Onites Essential Oil

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PRODUCT **Oregano Onites Essential Oil** · BOTANICAL NAME **Origanum onites L.** · DATE **29.09.2026**

PRODUCER

Bioform Ltd

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DOCUMENT CONTROL

Safety Data Sheet

Version: 1.1
Issued: 29.09.2026
Applies to: Oregano Onites Essential Oil
Scope: Regulation (EC) No 1907/2006, Annex II, as amended by (EU) 2020/878
Status: Approved

Indicative values. The values in this document are typical of the product, not the results of a particular batch. For batch-specific documentation and values (certificate of analysis, GC-MS report), contact us at **sales@bioform.bg** or +359 889 45 05 50.

1 · IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product name	Oregano Onites Essential Oil
Botanical source	Origanum onites L.
Plant part	Flowering herb (aerial parts)
CAS number	8007-11-2
EC number	947-697-6
REACH registration no.	01-2120785598-31-0000
1.2 Relevant uses	Raw material for fragrance, flavour, cosmetic and aromatherapy formulation. Industrial and professional use. Uses advised against: none identified other than those not listed.
1.3 Supplier	Bioform Ltd Str. Oreshaka 5, Village Tazha, 6160 Pavel Banya, Stara Zagora, Bulgaria +359 889 45 05 50 · sales@bioform.bg
1.4 Emergency telephone	+359 2 9154 233 National Toxicology Center Bulgaria, Hospital for Active Medical Treatment and Emergency Medicine "N. I. Pirogov" · poison_centre@mail.orbitel.bg · www.pirogov.bg · 24/7

2 · HAZARDS IDENTIFICATION

2.1 Classification (CLP)	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 Skin Sens. 1B H317 Asp. Tox. 1 H304 Repr. 2 H361 Aquatic Chronic 2 H411 [1]
2.2 Pictograms	 GHS05 · Corrosion  GHS07 · Exclamation mark  GHS08 · Health hazard  GHS09 · Environment
Signal word	Danger

Hazard statements	**H361** Suspected of damaging fertility or the unborn child. **H302** Harmful if swallowed. **H304** May be fatal if swallowed and enters airways. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H318** Causes serious eye damage. **H411** Toxic to aquatic life with long lasting effects.
Precautionary statements	**P201** Obtain special instructions before use. **P280** Wear protective gloves/protective clothing/eye protection/face protection. **P331** Do NOT induce vomiting. **P301+P310** IF SWALLOWED: Immediately call a POISON CENTER/doctor. **P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P501** Dispose of contents/container in accordance with local and national regulations.
2.3 Other hazards	Not considered PBT or vPvB. Contains natural constituents that may cause allergic reactions in sensitised people.

3 · COMPOSITION / INFORMATION ON INGREDIENTS

Substance type	Natural complex substance (UVCB) obtained from the plant material named in section 1.
Identity	Oregano Onites Essential Oil — Origanum onites L., CAS 8007-11-2

Typical content for this compound [2].

CONSTITUENT	CAS	EC	CONTENT %	CLASSIFICATION (CLP)
Carvacrol	499-75-2	207-889-6	48.0–70.6	Acute Tox. 4 (Oral) H302; Skin Corr. 1B H314; Eye Dam. 1 H318; Aquatic Chronic 2 H411
Linalool	78-70-6	201-134-4	2.0–9.7	Skin Sens. 1B H317
p-Cymene	99-87-6	202-796-7	3.8–7.0	Flam. Liq. 3 H226; Acute Tox. 3 (Inhalation) H331; Asp. Tox. 1 H304; Aquatic Chronic 2 H411
Terpinen-4-ol	562-74-3	209-235-5	0.7–6.8	Acute Tox. 4 (Inhalation) H332; Acute Tox. 4 (Oral) H302; STOT SE 3 H336; Skin Irrit. 2 H315; Eye Irrit. 2 H319; Skin Sens. 1 H317
γ-Terpinene	99-85-4	202-794-6	2.1–5.2	Flam. Liq. 3 H226; Repr. 2 H361; Aquatic Chronic 2 H411
Thymol	89-83-8	201-944-8	0.4–1.8	Acute Tox. 4 (Oral)* H302; Skin Corr. 1B H314; Aquatic Chronic 2 H411
β-Caryophyllene	87-44-5	201-746-1	0.7–1.2	Asp. Tox. 1 H304; Skin Sens. 1B H317

4 · FIRST-AID MEASURES

Inhalation	Move to fresh air. If breathing is difficult or symptoms persist, get medical advice.
Skin contact	Remove contaminated clothing. Wash skin with plenty of soap and water. If irritation or rash occurs, get medical advice.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical advice.
Ingestion	Rinse mouth. Do NOT induce vomiting. Get medical advice immediately and show this sheet or the label.
Symptoms and effects	Skin and eye irritation; allergic skin reaction in sensitised people. Aspiration into the lungs after swallowing can cause chemical pneumonitis.
Medical attention	Treat symptomatically.

5 · FIRE-FIGHTING MEASURES

Suitable extinguishing media	Carbon dioxide, dry chemical powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media	Direct water jet.
Special hazards	Combustion produces carbon monoxide, carbon dioxide and smoke. Vapours may form flammable mixtures with air above the flash point.

Advice for firefighters	Wear self-contained breathing apparatus and full protective clothing. Cool closed containers exposed to fire with water spray.

6 · ACCIDENTAL RELEASE MEASURES

Personal precautions	Remove ignition sources. Ensure adequate ventilation. Avoid contact with skin and eyes; wear the protective equipment in section 8.
Environmental precautions	Prevent entry into drains, surface water and soil.
Clean-up	Absorb with inert material (sand, earth, vermiculite). Collect in closed, labelled containers for disposal according to section 13.

7 · HANDLING AND STORAGE

Safe handling	Handle in a well-ventilated area. Avoid contact with skin and eyes. Keep away from heat, sparks and open flames. Do not eat, drink or smoke when using this product. Wash hands after handling.
Storage	Store in tightly closed, full containers of aluminium, stainless steel or amber glass, in a cool, dry, dark place away from heat and ignition sources. Nitrogen blanketing of part-filled containers is recommended.
Specific end uses	See section 1.2.

8 · EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits	No occupational exposure limits established for this product.
Engineering controls	Local exhaust or general ventilation.
Eye protection	Safety glasses with side shields (EN 166).
Hand protection	Nitrile rubber gloves (EN ISO 374).
Respiratory protection	Not normally required with adequate ventilation. In case of insufficient ventilation, use a respirator with an organic vapour filter (type A).
Skin and body protection	Protective work clothing.

9 · PHYSICAL AND CHEMICAL PROPERTIES

Typical values for this compound [1].

Physical state / appearance	Yellow to dark yellow liquid
Odour	Warm, herbaceous, strongly aromatic with thymol/carvacrol character
Flash point	75 °C (closed cup)
Relative density (20 °C)	0.944 (20 °C)
Refractive index (20 °C)	No data available
Optical rotation (20 °C)	No data available
Boiling point / range	219.4 °C at 101.3 kPa
Solubility	Insoluble in water; soluble in ethanol and oils
pH	No data available

10 · STABILITY AND REACTIVITY

Reactivity	No hazardous reactions known under normal conditions of use.
Chemical stability	Stable under the recommended storage conditions.
Conditions to avoid	Heat, direct sunlight, sparks, open flames, prolonged contact with air.
Incompatible materials	Strong oxidising agents, strong acids and bases.
Hazardous decomposition products	Carbon monoxide and carbon dioxide on combustion.

11 · TOXICOLOGICAL INFORMATION

No toxicological test data on the product itself are given here. The classification in section 2 is the classification of this substance as documented in the cited sources (for REACH-registered substances, the registrant's classification in the registration dossier).

12 · ECOLOGICAL INFORMATION

No ecotoxicological test data on the product itself are given here. The environmental classification, where shown in section 2, is taken from the cited sources. Do not allow undiluted product to reach ground water, water courses or sewage systems.

13 · DISPOSAL CONSIDERATIONS

Dispose of product and contaminated packaging through a licensed waste contractor in accordance with local and national regulations. Do not empty into drains.

14 · TRANSPORT INFORMATION

UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (OREGANO OIL)
Transport hazard class	9
Packing group	III
Environmental hazards	Yes — marine pollutant
Modes	ADR/RID, IMDG, IATA

15 · REGULATORY INFORMATION

Regulation (EC) No 1907/2006 (REACH); Regulation (EC) No 1272/2008 (CLP); Regulation (EC) No 1223/2009 (cosmetic products) where relevant. Users formulating fragrance products should also consult the current IFRA Standards.

16 · OTHER INFORMATION

This safety data sheet was prepared from the composition of the product as supplied. The information is given in good faith and is correct to the best of our knowledge at the date of issue. It does not constitute a guarantee of specific properties.

Composition ranges span the two cited analyses [2][3].

Supersedes revision 1.0.

SOURCES

1. ECHA, REACH registration dossier 01-2120785598-31-0000 (Oregano oil), lead registrant, last updated 2020-07-02: classification and labelling (section 2), physical and chemical properties (section 4) — https://chem.echa.europa.eu/html-pages-prod/cf8bdeaf-f1d3-448f-9b29-23f0825b4258/index.html (accessed 2026-09-28)
2. Spyridopoulou K. et al. (2019). Extraction, Chemical Composition, and Anticancer Potential of Origanum onites L. Essential Oil. Molecules 24:2612 — https://doi.org/10.3390/molecules24142612 (accessed 2026-09-28)

Биоформ

Signature and stamp

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Authorised representative

FOR AND ON BEHALF OF BIOFORM LTD

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Date: 29.09.2026