



BioProGreen

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40100 Marrakesh – Kingdom of MOROCCO

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Tax Identification Number: 06526963
Social Security Number (CNSS): 92156444
EACCE Export Approval Number: 6410
Patent Number: 64095319

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Safety data sheet THYME OIL

I. SUBSTANCE/PREPARATION AND COMPANY/COMPANY IDENTIFICATION

- **Product Identification:** 100% pure, natural, and complete essential oil
- **Commercial Name:** Thyme Essential Oil
- **Usage:** Industrial, for professional use only
- **Company Identification:** BioProGreen
- **Address:** N°105 Lot al Massar, route de safi - 40100 Marrakesh
- **Phone:** +212 524 335 449
- **Fax:** +212 524 457 961
- **E-mail:** contact@bioprogreen.com
- **In case of emergency, call the poison control and pharmacovigilance center:** 0801000180

Product Information:

- **Product Name:** Thyme Essential Oil
- **Botanical Name:** *Thymus vulgaris*
- **Extraction Method:** Steam distillation of *Thymus vulgaris*

• Administrative situation:

	N°CE	N° CAS
	283-406-2	8000-28-0

II. HAZARD IDENTIFICATION

Classification of the substance or mixture:

- **Classification according to Regulation (EC) No 1272/2008 [CLP]:**
- **Aspiration hazard, Category 1:** H304
- **Hazardous to the aquatic environment — Acute hazard, Category 1:** H400
- **Hazardous to the aquatic environment — Chronic hazard, Category 2:** H411
- **Full text of H-statements: see section 16**

Labeling elements:

- **Labeling according to Regulation (EC) No 1272/2008 [CLP]**



GHS08

GHS09

Warning statement (CLP): Danger Hazard statements (CLP):

- **H304:** May be fatal if swallowed and enters airways
- **H400:** Very toxic to aquatic life
- **H411:** Toxic to aquatic life with long lasting effects

Precautionary statements (CLP):

- **P273:** Avoid release to the environment.
- **P301+P310:** IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- **P331:** DO NOT induce vomiting.
- **P501:** Dispose of contents/container to appropriate containers as per local/regional/national/international regulations.

Other hazards:

- No additional information available.

III. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance:

- **Name:** Thyme Essential Oil
- **CAS No:** 8007-46-3
- **EC No:** 290-018-7

3.2 Mixture:

- **Not applicable**

IV. FIRST AID

- **General First Aid:** Never administer anything by mouth to an unconscious person. If feeling unwell, consult a doctor (show the label if possible).
- **First Aid After Inhalation:** Move to fresh air. Rest the victim.
- **First Aid After Skin Contact:** Wash thoroughly with soap and water. Wash contaminated clothing before reuse. If skin irritation occurs, consult a doctor. Specific treatment (see ... on this label). If skin irritation or rash occurs.
- **First Aid After Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, consult a doctor.
- **First Aid After Ingestion:** Rinse mouth. DO NOT induce vomiting. Seek medical attention immediately.

Main Symptoms and Effects, Acute and Delayed:

- **Symptoms/Injuries After Ingestion:** May be fatal if swallowed and enters airways.

Indication of Any Immediate Medical Attention and Special Treatment Needed:

- **No additional information available.**

V. FIREFIGHTING MEASURES

Extinguishing Means:

- **Suitable Extinguishing Media:** Use foam, dry powder, carbon dioxide (CO₂), water spray, or sand to extinguish fires involving this product.
- **Unsuitable Extinguishing Media:** Do not use a strong stream of water as it may disperse and spread the fire.

Special Hazards Arising from the Substance or Mixture:

- **No additional information available.**

Advice for Firefighters:

- **In case of fire, wear self-contained breathing apparatus to protect against potentially toxic fumes.**
- **Avoid allowing water used to extinguish the fire to come into contact with the product as this could lead to a dangerous reaction.**
- **Use personal protective equipment to prevent any contact with skin and eyes.**

VI. MEASURES TO BE TAKEN IN THE EVENT OF AN ACCIDENTAL FLOW

Individual precautions, protective equipment, and emergency procedures:

• For non-rescuers:

- Emergency procedures: Remove unnecessary personnel.
- For rescuers:
- Protective equipment: Provide adequate protection for cleaning teams.
- Emergency procedures: Ventilate the area. Precautions for environmental protection:
 - Avoid penetration into sewers and drinking water. Notify authorities if liquid enters sewers or public waterways. Avoid discharge into the environment. Containment and cleaning methods and equipment:
- Cleaning procedures: Absorb spilled product as quickly as possible using inert solids such as clay or diatomaceous earth. Collect spilled product. Store away from other materials. Reference to other sections:
 - See Section 8. Exposure controls/personal protection."

VII. HANDLING AND STORAGE

Precautions for safe handling:

For BioProGreen's thyme essential oil, here is an adaptation of recommendations for safe handling and storage conditions:

Precautions for safe handling: • Wash hands and any exposed areas with mild soap and water before eating, drinking, smoking, and leaving work. • Ensure good ventilation in the work area to prevent vapor formation. • No open flames. No smoking. • Take precautions against electrostatic discharge. • Do not use tools that produce sparks. • Avoid breathing fumes, vapors.

Conditions for safe storage, including any incompatibilities: • Technical measures: Comply with current regulations. • **Storage conditions:** Store only in the original container in a cool, well-ventilated place away from direct sunlight and heat sources. Keep containers closed when not in use. • **Incompatible products:** Strong bases, strong acids. • **Incompatible materials:** Ignition sources, direct sunlight, heat sources. • **Storage location:** Store in a well-ventilated area. Keep away from flames or spark sources. Store away from light. Protect from heat. • Storage temperature: 18 (5 – 25) °C

Specific end use(s): • No additional information available."

VIII. EXPOSURE CONTROL / PERSONAL PROTECTION

- "Control parameters:** • No additional information available.
- posure controls:** • **Personal protective equipment:** Avoid unnecessary exposure.
- **Hand protection:** Wear protective gloves.
 - **Eye protection:** Use splash-proof goggles or safety glasses.
 - **Skin and body protection:** Wear appropriate protective clothing.
 - **Respiratory protection:** Use an appropriate mask.
 - **Other information:** Do not eat, drink, or smoke during use."
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IX. PHYSICAL AND CHEMICAL PROPERTIES

Essential physical and chemical properties information:

"Flash point: 93°C

• **Physical state: Fluid**

• **Appearance: Clear, slightly viscous mobile liquid**

• **Color: Clear to slightly yellow**

• **Odor: Fresh, herbaceous, slightly camphoraceous**

• **Olfactory threshold: No data available**

• **pH: No data available**

- **Relative evaporation rate: No data available (Butyl acetate=1)**
- **Melting point: No data available**
- **Freezing point: No data available**
- **Boiling point: No data available**
- **Kinematic viscosity: No data available**
- **Dynamic viscosity: No data available**
- **Explosive properties: No data available."**
- **Combustion properties: No data available**
- **Explosive limits: No data available**

Other information:

Refractive index: 1.465 - 1.48

X. STABILITY AND REACTIVITY

- Reactivity: No additional information available
- Chemical stability: Not established
- Conditions to avoid: Direct sunlight, extremely high or low temperatures.
- Incompatible materials: Strong acids, strong bases.
- Hazardous decomposition products: Smoke, carbon monoxide, carbon dioxide

XI. TOXICOLOGICAL INFORMATION

• **Acute toxicity:** Not classified

• THYME OIL	•
• LD50 oral rat	• > 5000 mg/kg
• "LD50 dermal rabbit	> 5000 mg/kg

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Skin corrosion/irritation: Not classified

Based on available data, classification criteria are not met.

- Skin corrosion/irritation: Not classified. Based on available data, classification criteria are not met.
- Serious eye damage/eye irritation: Not classified. Based on available data, classification criteria are not met.
- Respiratory or skin sensitization: Not classified. Based on available data, classification criteria are not met.
- Germ cell mutagenicity: Not classified. Based on available data, classification criteria are not met.
- Carcinogenicity: Not classified. Based on available data, classification criteria are not met
- Reproductive toxicity: Not classified. Based on available data, classification criteria are not met.
- Specific target organ toxicity (single exposure): Not classified. Based on available data, classification criteria are not met.
- Specific target organ toxicity (repeated exposure): Not classified. Based on available data, classification criteria are not met.
- Aspiration hazard: May be fatal if swallowed and enters airways. Based on available data, classification criteria are not met."

XII. ECOLOGICAL INFORMATION

Toxicity

- Ecology - water: Very toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.
- EC50 Daphnia: 0.044 mg/l - 48h
- Persistence and degradability: May cause long-term adverse effects in the environment.
- Potential for bioaccumulation: Not established
- Mobility in soil: No additional information available
- Results of PBT and vPvB assessment: No additional information available
- Other harmful effects: Avoid release into the environment

XIII. DISPOSAL CONSIDERATIONS

- Waste disposal method:
 - Dispose of in accordance with applicable local/national safety regulations.
 - Dispose of contents/container using designated containers/containers according to current regulations. Ecology - waste:
- Avoid release into the environment. • Consider waste as hazardous due to its toxicity.

XIV. TRANSPORT INFORMATION

Here's the adapted information for transporting BioProGreen's thyme essential oil in accordance with international regulations for the transport of dangerous goods:

According to ADR / RID/ IMDG / IATA/ ADN requirements: • UN number: 3082 • UN official transport designation:

- ADR: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. • Transport document description (ADR): UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III (E) • Transport hazard class(es):
- ADR: 9 • Hazard warning labels (ADR): 9 • Packaging group (ADR): III • Environmentally hazardous: Yes

Special precautions for the user: • Land transport:

- Classification code (ADR): M6
- Special provisions (ADR): 274, 335, 601
- Limited quantities (ADR): 5L
- Excepted quantities (ADR): E1
- Vehicle for tank transport: AT

- ADR transport category: 3 • Kemler code: 90



Tunnel restriction code (ADR): E • Bulk transport in accordance with Annex II of the MARPOL 73/78 Convention and IBC Code: Not applicable

XV. REGULATORY INFORMATION

Special regulations/legislation regarding safety, health, and environment for the substance or mixture

• EU Regulations:

- No restrictions according to Annex XVII of REACH.
- Does not contain any substances from the REACH Candidate List.
- Not listed in Annex XIV of REACH.
- Does not contain any substances listed in Annex XIV of REACH.
- Chemical safety assessment: No chemical safety assessment has been conducted.

XVI. DIVERSE INFORMATION

• Data sources: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information: None.

Aquatic acute 1	Hazardous to the aquatic environment - Acute hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic hazard, Category 1
Aquatic Chronic 2:	Hazardous to the aquatic environment - Chronic hazard, Category 2
Asp. Tox. 1	Hazard by aspiration, Category 1
H304	May be fatal if swallowed and enters airways
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long-lasting effects