

## MSDS SHEET

### 1. Identification of Substance/Preparation & Company

**PRODUCT NAME:** Marjoram Essential Oil

**Botanical Name/INCI** Origanum marjoram (syn: Marjorana hortensis L.)

**PRODUCT USE:** Cosmetic/Industrial

**Origin:** Spain

**SUPPLIER:** Botanic Planet Canada Inc. 2 Bram Ct, Unit # 3-4 Brampton Ontario L6W 3R6 Canada

**CAS Number:** 8015-01-8 / 84082-58-6

**Phone / Fax:** 905-455-4444 / 905-455-8841

**Product Form:** Liquid

**Emergency Tel No:** (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

### 2. Hazards Identification

#### GHS Classification

Flammable Liquid - Category 3

Acute Toxicity, oral- Category 5

Aspiration toxicity - Category 1

Acute toxicity, dermal - Category 3

Skin corrosion/irritation - Category 2

Skin Sensitization - Category 1

Serious eye damage/eye irritation - Category 2A

Hazardous to the aquatic environment, acute hazard - Category 2

Hazardous to aquatic environment, chronic hazard, - Category 2

#### GHS Label elements, including precautionary statements



H227	Combustible liquid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long-lasting effects.

### Precautionary statement(s)

P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P280	Wear protective gloves, clothing and eye or face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P264	Wash hands thoroughly after handling.
P362	Take off contaminated clothing.
P272	Contaminated work clothing should not be allowed out of the workplace.
P363	Wash contaminated clothing before reuse.
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 a rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists get medical advice/attention.
P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking
P273	Avoid release to the environment.
P405	Store locked up.
P391	Collect spillage.
P370+P378	In case of fire: Use foam or dry powder to extinguish.
P501	Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes.

### 3. Composition / Information on Ingredients

Product Name	CAS NO	EC NO	Concentration
Terpinene 1-ol-4	562-74-3	209-235-5	19 - 32 %
Limonene	5989-27-5	227-813-5	3.0 - 10 %
Linalool	78-70-6	201-134-4	1.0 - 8.5 %
Thymol	89-83-8	201-944-8	< 1.0 %
Carvacrol	499-75-2	207-889-6	< 1.0 %

### 4. First-Aid Measures

**INHALATION:** Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

**EYE CONTACT:** Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

**SKIN CONTACT:** Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

**INGESTION:** Rinse out mouth with water. Seek medical advice immediately.

**OTHER:** When assessing action take Risk & Safety Phrases into account (Section 15).

### 5. Fire Fighting Measures

**EXTINGUISHING MEDIA:** Use CO<sup>2</sup>, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

**SPECIAL MEASURES:** Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

**EXTINGUISHING PROCEDURES:** Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

## 6. Accidental Release Measures

**PERSONAL PRECAUTIONS:** Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (Safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

**ENVIRONMENT PRECAUTIONS:** Keep away from drains, soils, surface & ground waters. CLEAN UP METHODS Remove all potential ignition sources. Contain spilled material. Cover with an inert or FOR

**SPILLAGES:** non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe municipal, federal and local disposal regulations.

## 7. Handling & Storage

**PRECAUTIONS IN HANDLING:** Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene. Do not eat, drink or smoke whilst handling.

**STORAGE CONDITIONS:** Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

**FIRE PROTECTION:** Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

## 8. Exposure Controls/Personal Protection

**RESPIRATORY PROTECTION:** Avoid breathing product vapour. Apply local ventilation where possible.

**VENTILATION:** Ensure good ventilation of working area.

**HAND PROTECTION:** Avoid all skin contact. Use chemically resistant gloves if required.

**EYE PROTECTION:** Use safety glasses.

**WORK / HYGIENE PRACTICES:** Wash hands with soap & water after handling.

## 9. Physical & Chemical Properties

**Appearance:** Colorless to pale yellow liquid.

**Odor:** Characteristic spicy and woody marjoram.

**Flash point:** 59°C

**Relative density:** 0.860 to 0.905 @ 20°C

**Refractive index:** 1.455 to 1.480 @ 20°C

**Optical rotation:** +14° to +24° @ 20°C

## 10. Stability & Reactivity

**REACTIVITY:** It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

**DECOMPOSITION:** Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

## 11. Toxicological Information

May be irritation to skin.

## 12. Ecological Information

**BIODEGRADABILITY:** Data not available

**PRECAUTIONS:** Prevent surface contamination of soil, ground & surface water.

### 13. Disposal Considerations

Avoid disposing to drainage systems and into the environment. Seek expert advice.

### 14. Transport Regulations

ROAD (ADR/RID): n/a

AIR (IATA/ICAO): n/a

SEA (IMDG): n/a

CHIP: See section 15

### 15. Regulatory Information According to Directive 88/379/EEC

HAZARDS: n/a

SYMBOLS: n/a

RISK PHRASES: n/a

SAFETY PHRASES: n/a

### 16. Other Information

**For longer shelflife keep it away from heat, moisture and direct light**

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## Certificate of Analysis

**Name:** Marjoram Essential Oil  
**INCI:** Origanum majorana  
**Cas No.** 8015-01-8 / 84082-58-6  
**Country of Origin:** Spain  
**Lot No:** BPCME0042022  
**Expiry:** April 2027  
**Main Constituents**  
**Terpinene-4-ol:** 18 - 32%  
 **$\delta$ -Terpinene:** 9 - 18%  
**Sabinene:** 3 - 10%

## Properties Specifications Results

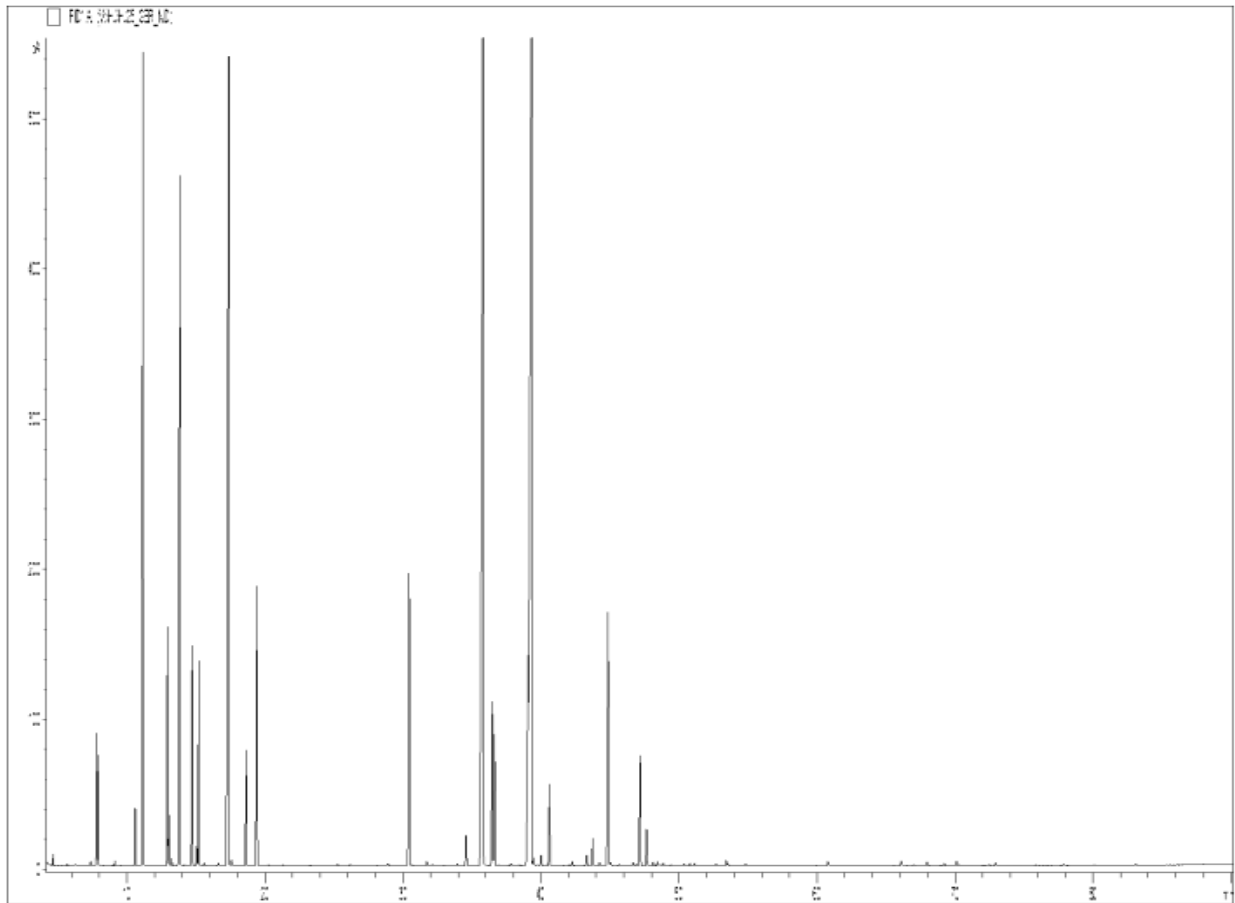
**Appearance:** Colorless to pale yellow liquid. Complies  
**Odor:** Characteristic spicy and woody marjoram. Complies  
**Solubility:** Soluble in ethyl alcohol. Complies  
**Refractive Index:** 1.467 to 1.480 @ 20°C 1.469  
**Specific Gravity:** 0.870 to 0.910 @ 20°C 0.897  
**Optical Rotation:** +5° to +35° @ 20°C +20°  
**Terpinene-4-ol:** 18 - 23 % 24.12  
 **$\gamma$ -terpinene:** 10 - 16 % 13.93  
**Sabinene:** 6 - 11 % 7.36

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GCMS ANALYSIS

**PRODUCT NAME: MARJORAM ESSENTIAL OIL (SWEET) – 11089**  
**DATE: April 25, 2022**



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