



## Safety Data Sheet

### 01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

#### 1.1 Product Identifier

Product Name	Chamomile Oil Maroc.				
Biological Definition	Ormenis Multicaulis Oil is the volatile oil obtained from the herb Moroccan Chamomile, <i>Ormenis multicaulis</i> , <i>Compositae</i> .				
INCI Name	Ormenis multicaulis oil.				
Synonyms & Trade Names	Chamomile Oil Wild Maroc.				
CAS-No	92202-02-3	EC No.	296-034-0	EINECS No.	296-034-0

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

Cosmetics and fragancing.

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

Golden Bough Botanicals Inc 12-1585 Cliveden Ave Delta BC V3M 6M1

#### 1.4 Emergency Tel. No.

604-540-8700 (Monday-Friday 8:30 am-4:30 pm)

### 02. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

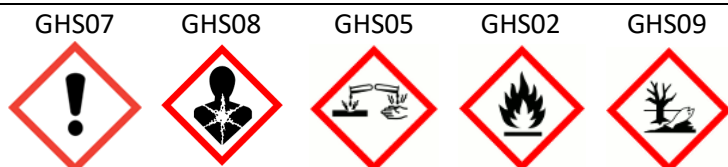
The Full Text for all Hazard Statements displayed in Section 16.

Classification (EC 1272/2008)

Flammable liquid, Category 3 (Flam. Liq. 3, H226).  
 Skin irritation, Category 2 (Skin Irrit. 2, H315).  
 Serious eye damage, Category 1 (Eye Dam. 1, H318).  
 Skin sensitisation, Category 1 (Skin Sens. 1, H317).  
 Aspiration hazard, Category 1 (Asp. Tox. 1, H304).  
 Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

#### 2.2 Label Elements

Label in accordance with (EC) No 1272/2008



Signal Word

Danger.

Contains

EC 201-291-9 ALPHA-PINENE X  
 601-029-00-7 (R)-P-MENTHA-1,8-DIENE  
 EC 203-377-1 GERANIOL  
 EC 204-622-5 MYRCENE  
 EC 204-262-9 BENZYL SALICYLATE  
 EC 204-872-5 B-PINENE

Hazard Statements

H226 Flammable liquid and vapour.  
 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**

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P331 Do NOT induce vomiting

**Supplementary Precautionary Statements**

None.

**2.3 Other Hazards**

PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

**03. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances**

**10.0 – 25.0% Alpha Pinene** CAS: 80-56-8, EC: 201-291-9

Classification (EC 1272/2008) Asp. Tox. 1, H304, Flam. Liq. 3, H226, Skin Irrit. 2, H315, Skin Sens. 1, H317

**10.0 - 25.0% (R)-P-Mentha-1,8-Diene** CAS: 5989-27-5, EC: 227-813-5

Classification (EC 1272/2008) Flam. Liq. 3, H226, Skin Irrit. 2, H315, Skin Sens. 1, H317, Aquatic Acute 1, H400 M Acute = 1, Aquatic Chronic 1, H410, M Chronic = 1

**2.5 – 10.0% Thujone** CAS: 546-80-5, EC: -

Classification (EC 1272/2008) Acute Tox. 4, H302

**2.5 – 10.0% Geraniol** CAS: 106-24-1, EC: 203-377-1

Classification (EC 1272/2008) Eye Dam. 1, H318, Skin Irrit. 2, H315, Skin Sens. 1, H317

**2.5 – 10.0% Camphor L** CAS: 76-22-2, EC: 200-945-0

Classification (EC 1272/2008) –

**0.0 – 2.5% Myrcene** CAS: 123-35-3, EC: 204-622-5

Classification (EC 1272/2008) Asp. Tox. 1, H304, Eye Irrit. 2, H319, Flam. Liq. 3, H226, Skin Irrit. 2, H315

<p><b>0.0 – 2.5% Benzyl Salicylate</b> CAS: 118-58-1, EC: 204-262-9</p> <p>Classification (EC 1272/2008) Aquatic Chronic 2, H411, Skin Sens. 1, H317</p>
<p><b>0.0 – 2.5% Geranyl Acetate</b> CAS: 105-87-3, EC: 203-341-5</p> <p>Classification (EC 1272/2008) Aquatic Chronic 2 - H411</p>
<p><b>0.0 – 2.5% B-Pinene</b> CAS: 127-91-3, EC: 204-872-5</p> <p>Classification (EC 1272/2008) Asp. Tox. 1, H304, Flam. Liq. 3, H226, Skin Irrit. 2, H315, Skin Sens. 1, H317</p>
<p><b>0.0 – 2.5% Camphene</b> CAS: 79-92-5, EC: 201-234-8</p> <p>Classification (EC 1272/2008) Eye Irrit. 2, H319, Aquatic Acute 1, H400 M Acute = 1, Aquatic Chronic 1, H410 M Chronic = 1</p>

#### 04. FIRST AID MEASURES

<b>4.1 Description of first aid measures</b>	
Inhalation	No additional data available.
Ingestion	Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label. If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.
Skin Contact	Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.
Eye Contact	Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open. Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
No additional data available.	
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
No additional data available.	

#### 05. FIRE-FIGHTING MEASURES

<b>5.1 Extinguishing Media</b>	
Keep packages near the fire cool, to prevent pressurised containers from bursting.	
<b>Suitable methods of extinction</b> Prevent the effluent of fire-fighting measures from entering drains or waterways.	
<b>5.2 Special hazards arising from the product</b>	
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.	

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>).

### 5.3 Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

## 06. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

#### **For non first aid worker**

Avoid any contact with the skin and eyes.

#### **For first aid worker**

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

### 6.2 Environmental Precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures.

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

### 6.3 Methods and material for containment and cleaning up.

Clean preferably with a detergent, do not use solvents.

### 6.4 Reference to other sections

No additional data available.

## 07. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Remove contaminated clothing and protective equipment before entering eating areas.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

#### **Fire prevention:**

Handle in well-ventilated areas.

Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits.

Never inhale this mixture.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged: always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

#### **Recommended equipment and procedures:**

For personal protection, see section 8.


Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture at all times.

<p><b>Prohibited equipment and procedures:</b>          No smoking, eating or drinking in areas where the mixture is used.          Never open the packages under pressure.</p>
<p><b>7.2 Conditions for safe storage, including any incompatibilities</b></p>
<p><b>Storage</b>          Keep the container tightly closed in a dry, well-ventilated place.          Keep away from food and drink, including those for animals.          Keep away from all sources of ignition - do not smoke.          Keep well away from all sources of ignition, heat and direct sunlight.          Avoid accumulation of electrostatic charges.</p> <p><b>Packaging</b>          Always keep in packaging made of an identical material to the original.</p>
<p><b>7.3 Specific end use(s)</b></p>
<p>No additional data available.</p>

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

<p><b>8.1 Control parameters</b></p>																																																		
<p><b>Occupational exposure limits:</b>          - ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :</p> <table border="1"> <thead> <tr> <th>CAS</th> <th>TWA :</th> <th>STEL :</th> <th>Ceiling :</th> <th>Definition :</th> <th>Criteria :</th> </tr> </thead> <tbody> <tr> <td>80-56-8</td> <td>20 ppm</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>76-22-2</td> <td>2 ppm</td> <td>3 ppm</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>127-91-3</td> <td>20 ppm</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <p>- France (INRS - ED984 :2008) :</p> <table border="1"> <thead> <tr> <th>CAS</th> <th>VME-ppm :</th> <th>VME-mg/m3 :</th> <th>VLE-ppm :</th> <th>VLE-mg/m3 :</th> <th>Notes :</th> <th>TMP No :</th> </tr> </thead> <tbody> <tr> <td>76-22-2</td> <td>2</td> <td>12</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <p>- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :</p> <table border="1"> <thead> <tr> <th>CAS</th> <th>TWA :</th> <th>STEL :</th> <th>Ceiling :</th> <th>Definition :</th> <th>Criteria :</th> </tr> </thead> <tbody> <tr> <td>76-22-2</td> <td>2 ppm</td> <td>3 ppm</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	80-56-8	20 ppm	-	-	-	-	76-22-2	2 ppm	3 ppm	-	-	-	127-91-3	20 ppm	-	-	-	-	CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :	76-22-2	2	12	-	-	-	-	CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	76-22-2	2 ppm	3 ppm	-	-	-
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<p><b>8.2 Exposure controls</b></p>	
<p>Protective Equipment</p>	
	
Process Conditions	No additional data available.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	For high concentrations use respiratory equipment.
Hand Protection	<p>Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.</p> <p>Gloves must be selected according to the application and duration of use at the workstation.</p> <p>Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.</p> <p>Recommended properties:</p> <ul style="list-style-type: none"> <li>- Impervious gloves in accordance with standard EN374.</li> </ul>
Eye Protection	<p>Avoid contact with eyes.</p> <p>Use eye protectors designed to protect against liquid splashes.</p> <p>Before handling, wear safety goggles in accordance with standard EN166.</p>

Other Protection	In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.
Hygiene Measures	Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.
Personal Protection	Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area.
Skin Protection	Avoid skin contact. Wear suitable protective clothing Suitable type of protective clothing: In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
Environmental Exposure Controls	No additional data available.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	yellow-green to yellow brown .
Odour	Characteristic.
Relative Density	0.875 – 0.915 @ 20°C
Flash Point (°C)	56°C
Refractive Index	1.440 – 1.480 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available.

### 9.2 Other information

No additional data available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No additional data available.

### 10.2 Chemical stability

This substance is stable under the recommended handling and storage conditions in section 7.

### 10.3 Possible hazardous reactions

No additional data available.

### 10.4 Conditions to Avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid:

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces

<b>10.5 Incompatible materials</b>
No additional data available.
<b>10.6 Hazardous Decomposition Products</b>
The thermal decomposition may release/form: - carbon monoxide (CO) - carbon dioxide (CO <sub>2</sub> ).

## 11. TOXOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
Acute Toxicity	Acute toxicity : BENZYL SALICYLATE (CAS: 118-58-1) Oral route: LD50 = 2200 mg/kg.  GERANIOL (CAS: 106-24-1) Oral route: LD50 = 4200 mg/kg  THUJONE (CAS: 546-80-5) Oral route: LD50 = 500 mg/kg  ALPHA-PINENE X (CAS: 80-56-8) Oral route: LD50 = 3700 mg/kg
Skin corrosion / irritation	May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours. May cause an allergic reaction by skin contact.
Serious eye damage / irritation	May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days. Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	CAS 5989-27-5: IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.
Reproductive toxicity	No additional data available.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

## 12. ECOLOGICAL INFORMATION


<b>12.1 Toxicity</b>
Toxic to aquatic life with long lasting effects. The product must not be allowed to run into drains or waterways. No aquatic toxicity data available for the substances.
<b>12.2 Persistence &amp; degradability</b>

No additional data available.
<b>12.3 Bioaccumulation Potential</b>
No additional data available.
<b>12.4 Mobility in soil</b>
No additional data available.
<b>12.5 Results of PBT and vPvB Assessment</b>
No additional data available.
<b>12.6 Other adverse effects</b>
No additional data available.

### 13. DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>
<p>Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC. Do not pour into drains or waterways.</p> <p><b>Waste:</b> Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.</p> <p><b>Soiled packaging:</b> Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.</p>

### 14. TRANSPORT INFORMATION

<b>14.1 UN number</b>						
<table border="1"> <tr> <td>UN No. Road</td> <td>1169.</td> </tr> <tr> <td>UN No. SEA</td> <td>1169</td> </tr> <tr> <td>UN No. AIR</td> <td>1169</td> </tr> </table>	UN No. Road	1169.	UN No. SEA	1169	UN No. AIR	1169
UN No. Road	1169.					
UN No. SEA	1169					
UN No. AIR	1169					
<b>14.2 UN proper shipping name</b>						
UN1169= EXTRACTS, AROMATIC, LIQUID.						
<b>14.3 Transport hazard class(es)</b>						
<p>ADR/RID/ADN Class: 3 ADR/RID/ADN Class: 3 IMDG Class: 3 ICAO Class/Division: 3</p> <p>Transport Labels</p> 						



#### 14.4 Packing group

ADR/RID/ADN Packing group	III.
IMDG Packing group	III.
ICAO Packing group	III.

#### 14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant.



#### 14.6 Special precautions for user

ADR/RID									
Class	Code	Pack gr.	Label Ident.	LQ	Provis.	EQ	Cat.	Tunnel	
3	F1	III	3 -	5 L	163	E1	3	E	
IMDG									
Class	2° Label	Pack gr.	LQ	EMS	Provis.	EQ			
3	-	III	5 L	F-E,S-D	163 223 904 955	E1			
IATA									
Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
3	-	III	355	60 L	366	220 L	A3 A72	E1	
3	-	III	Y344	10 L	-	-	A3 A72	E1	

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

No additional data available.

### 15. REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

##### Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG (108).

##### EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

#### 15.2 Chemical safety assessment

No additional information available.

## 16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	H226 Flammable liquid and vapour. H228 Flammable solid. 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. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
Other Information	None
Revision Date	June 8, 2016
Reason for revision	New format and updated SDS
Rev No/Repl, SDS Generated	02

**DISCLAIMER:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.