



Safety Data Sheet

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

1.1 Product Identifier

Product Name	Marjoram Oil Sweet				
Biological Definition	Origanum Majorana Leaf Oil is the volatile oil distilled from the leaves of the Sweet Marjoram, <i>Origanum majorana L., Labiatae.</i>				
INCI Name	Origanum Majorana Leaf Oil				
Synonyms & Trade Names	-				
CAS-No	84082-58-6	EC No.	282-004-4	EINECS No.	282-004-4

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

Relevant uses: Miscellaneous. For professional user / industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3

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 is displayed in Section 16.

Classification (EC 1272/2008)

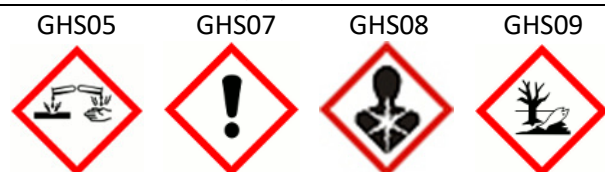
Physical and Chemical Hazards: This substance does not present a physical hazard. Refer to the commendations regarding the other products present on the site.

Human health: Aspiration hazard, Category 1 (Asp. Tox. 1, H304). May be fatal if swallowed and enters airways.
Acute oral toxicity, Category 4 (Acute Tox. 4, H302). Harmful if swallowed.
Skin corrosion, Category 1B (Skin Corr. 1B, H314). Causes severe skin burns and eye damage.
Skin sensitisation, Category Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Environment: Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

2.2 Label Elements

Label in accordance with (EC) No 1272/2008



Signal Word

Danger.

Contains

EC 209-235-5 4-TERPINENOL
601-029-00-7 (R)-P-MENTHA-1,8-DIENE

	604-032-00-1 THYMOL EC 207-889-6 CARVACROL
Hazard Statements	
<p>H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.</p>	
Precautionary Statements	
<p>P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P391 Collect spillage.</p>	
Supplementary Precautionary Statements	
None.	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	The substance does not satisfy the PBT or vPvP criteria in accordance with annexe XIII of the REACH regulations EC 1907/2006.
Adverse physio-chemical properties	Not additional data available.
Adverse effects on human health	Not additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures		
40.0% Hydrocarbons	CAS-No: N/A	EC No: N/A
Classification (EC 1272/2008)	GHS08, Dgr, Asp. Tox. 1, H304	
25.0% Linalool	CAS-No: 78-70-6	EC No: 201-134-4
Classification (EC 1272/2008)	GHS07, Wng, Skin Irrit. 2, H315	
25.0% 4-Terpinenol	CAS-No: 562-74-3	EC No: 209-235-5
Classification (EC 1272/2008)	GHS02, GHS07, Wng, Flam. Liq. 3, H226, Acute Tox. 4, H302, Skin Irrit. 2, H315, Eye Irrit. 2, H319	
5.0% d-Limonene	CAS-No: 5989-27-5	EC No: 227-813-5
Classification (EC 1272/2008)	GHS02, GHS07, GHS09, Wng 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	
5.0% Thymol	CAS-No: 89-83-8	EC No: 201-944-8
Classification (EC 1272/2008)	GHS05, GHS07, GHS09, Dgr Acute Tox. 4, H302, Skin Corr. 1B, H314, Aquatic Chronic 2, H411	

1.0% Carvacrol	CAS-No: 49975-2	EC No: 207-889-6
Classification (EC 1272/2008) GHS07, GHS05, Dgr, Acute Tox. 4, H302, Eye Dam. 1, H318		

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Move the exposed person to fresh air. Seek medical attention if any discomfort continues.
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, administer activated medical charcoal and consult a doctor. Seek medical attention immediately, showing the label. If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show 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. Remove any soiled or splashed clothing immediately. 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 soft, 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.
4.2 Most important symptoms and effects, both acute and delayed	
No additional data available.	
4.3 Indication of any immediate medical attention and special treatment needed	
No additional data available.	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Non flammable.	
5.2 Special hazards arising from the product	
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 ₂)	
5.3 Advice for firefighters	
No additional data available.	

06. ACCIDENTAL RELEASE MEASURES


6.1 Personal precautions, protective equipment and emergency procedures	
Consult the safety measures listed under headings 7 and 8. <u>For non first aid worker</u> Avoid any contact with the skin and eyes. <u>For first aid worker</u> First aid workers 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.
6.3 Methods and material for containment and cleaning up.
Cover with an inert, inorganic, non-combustible absorbent material (e.g dry-lime, sand, soda ash. Ventilate area and wash spill site after material pickup is complete. Clean preferably with a detergent, do not use solvents. Dispose of in accordance with current laws and regulations.
6.4 Reference to other sections
See sections 7, 8, 13.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling				
<p>Requirements relating to storage premises apply to all facilities where the substance is handled. Individuals with a history of skin sensitisation should not, under any circumstance, handle this substance. Always wash hands after handling. Remove and wash contaminated clothing before re-using. Provide emergency showers and eye wash stations will be required in facilities where the substance is handled constantly.</p> <p><u>Fire prevention:</u> Never inhale this substance. Prevent access by unauthorised personnel.</p> <p><u>Recommended equipment and procedures:</u> For personal protection, see section 8. regulations. No smoking, eating or drinking in areas where the substance is used.</p>				
7.2 Conditions for safe storage, including any incompatibilities				
<table border="0"> <tr> <td>Storage</td> <td>Keep away from food and drink, including those for animals.</td> </tr> <tr> <td>Packaging</td> <td>Always keep in packaging made of an identical material to the original.</td> </tr> </table>	Storage	Keep away from food and drink, including those for animals.	Packaging	Always keep in packaging made of an identical material to the original.
Storage	Keep away from food and drink, including those for animals.			
Packaging	Always keep in packaging made of an identical material to the original.			
7.3 Specific end use(s)				
No additional data available.				

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
No additional data available.	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	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. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation.
Engineering Measures	Provide adequate ventilation. Use engineering controls to reduce air contamination.
Respiratory Equipment	Provide adequate ventilation.
Hand Protection	Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. 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.

	<u>Recommended properties:</u> - Impervious gloves in accordance with standard EN374
Eye Protection	Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles with protective sides accordance with standard EN166. In the event of high danger, protect the face with a face shield. Prescription glasses are not considered as protection. Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours. Provide eyewash stations in facilities where the product is handled constantly.
Other Protection	No additional data available.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Avoid inhalation and contact with skin and eyes. Do not eat or drink whilst in 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. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Wear suitable protective clothing and, in particular, an apron and boots. These items of clothing shall be maintained in good condition and cleaned after use. 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.
Environmental Exposure Controls	Do not allow to enter waterways.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Mobile liquid, pale yellow to greenish yellow.
Colour	Pale yellow to greenish yellow.
Odour	Characteristic.
Relative Density	0.890 - 0.906 @ 20°C
Flash Point (°C)	61.0
Refractive Index	1.470 - 1.475 @ 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.
Auto-ignition temperature (°C)	No additional data available.

9.2 Other information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

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

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

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	Carvacrol CAS 499-75-2 Oral route (Rat) LD50 = 810mg/kg
Skin corrosion / irritation	Harmful if swallowed. Corrosive reactions are typified by ulcers, bleeding, bloody scabs, and, by the end of observation at 14 days, by discolouration due to blanching of the skin, complete areas of alopecia, and scars. May cause an allergic reaction by skin contact.
Serious eye damage / irritation	No additional data available.
Respiratory or skin sensitisation	May cause irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis, following exposure between three minutes and one hour.
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	Monograph(s) from the IARC (International Agency for Research on Cancer): 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. May be fatal if swallowed and enters airways. 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

12.1 Toxicity	
Toxic to aquatic life with long lasting effects. The product must not be allowed to run into drains or waterways.	
12.2 Persistence & degradability	
No additional data available.	
12.3 Bioaccumulation Potential	
No additional data available.	
12.4 Mobility in soil	
No additional data available.	
12.5 Results of PBT and vPvB Assessment	

No additional data available.

12.6 Other adverse effects

Do not allow product to enter streams, sewers or other waterways.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC. Do not pour into drains or waterways.

Waste:

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.

Soiled packaging:

Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

14. TRANSPORT INFORMATION

14.1 UN number

UN No. Road	UN 1169
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UN No. SEA	UN 1169
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UN No. AIR	UN 1169
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14.2 UN proper shipping name

UN1169=EXTRACTS, AROMATIC, LIQUID

14.3 Transport hazard class(es)

ADR/RID/ADN Class: 3: Flammable Liquid

IMDG Class: 3

ICAO Class/Division: 3

Transport Labels



14.4 Packing group

ADR/RID/ADN Packing group	III
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IMDG Packing group	III
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ICAO Packing group	III
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14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



14.6 Special precautions for user

ADR/RID		IMDG		IATA	
Class:	3	Class:	3	Class:	3
Code:	F1	2°Label:	-	2°Label:	-
Pack Grp:	III	Pack Grp:	III	Pack Grp:	III
Label:	3	LQ	5L	Passager:	355 Y344
Ident:	-	EMS	F-E, S-D	Passager:	60L 10L
LQ	5L	Provis:	223 955	Cargo:	366 -
Provis.	601	EQ	E1	Cargo:	220L -
EQ	E1			Note:	A3 A3
Cat	3			EQ:	E1 E1
Tunnel	E				

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.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
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

ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.

	IATA : International Air Transport Association. ICAO : International Civil Aviation Organisation RID : Regulations concerning the International carriage of Dangerous goods by rail. WGK : Wassergefahrdungsklasse (Water Hazard Class). GHS05 : Corrosion GHS07 : Exclamation mark GHS08 : Health hazard GHS09 : Environment
Revision Date	July 19, 2016
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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