





# Safety Data Sheet

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

Product Name	<b>Marjoram Oil Sweet Organic</b>				
Biological Definition	The volatile oil obtained by steam distillation of the leaves of <i>Origanum marjorana</i> .				
INCI Name	Origanum marjorana leaf oil				
Synonyms & Trade Names	Marjoram oil Egypt				
Reach Registration Number <small>(According to EU Reg 1907/2006)</small>	N/A				
FEMA No.	2663	FDA No.	§182.20	CoE No.	316
CAS-No	8015-01-8	EC No.	282-004-2	EINECS No.	282-004-2

## 02. HAZARDS IDENTIFICATION

Classification (1999/45)	Xn+N; R10-38-43-51/53-65, S24-37-61-62
Classification (EC 1272/2008)	UN-GHS: FL 3, ATO 5(2100), AH 1, SCI 2, SS 1, EDI 2A, EH A2,C2. EU-CLP: FL 3, AH 1, SCI 2, SS 1, EDI 2, EH A2,C2
Label in accordance with (EC) No 1272/2008	    GHS02      GHS07      GHS08      GHS09
Signal Word	Danger
Contains	Terpinen-4-ol, linalyl acetate, alpha-terpineol, limonene, gamma-terpinene, linalool, alpha-terpinene, phellandrenes, carvacrol, beta-myrcene, terpinolene, thymol.
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 H319 Causes serious eye irritation H411 Toxic to aquatic life with long-lasting effects
Precautionary Statements	P262 Do not get in eyes, on skin or on clothing P280 Wear protective gloves/protective clothing/eye protection/face protection. P273 Avoid release to the environment P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P331 Do NOT induce vomiting P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplementary Precautionary Statements	P391 Collect spillage
PBT or vPvB according to Annex XIII	No

# Safety Data Sheet

Adverse physio-chemical properties	Combustible but will not self-ignite
Adverse effects on human health	May cause sensitisation and/or irritation of skin and eyes

### **03. COMPOSITION/INFORMATION ON INGREDIENTS**

12% Terpinen-4-ol	UN-GHS: ATO 4(1300); ATD5(2500); SCI 2, EDI 2A, EH A3
8% Linalyl acetate	UN-GHS: EDI 2A, EH A2, SCI 2
5.5% alpha-Terpineol	UN-GHS: ATO 5(4300); SCI 2; EDI 2A
5% Limonene	UN-GHS: SCI 2; SS 1; EH A1,C1
5% gamma-Terpinene	UN-GHS: ATO 5(3850); SCI 3
3% Linalool	UN-GHS: ATO 5(3000), EDI 2A, EH A3, SCI 2
3% alpha-Terpinene	UN-GHS: ATO 4(1650); SCI 3; EH A2,C2
2% Phellandrenes	UN-GHS: ATO 4(1870)
1.3% para-Cymene	UN-GHS: ATO 5(4750); SCI 3; EH A2,C2
1% Carvacrol	UN-GHS: ATO 4(810); SCI 2; EDI 2A; SS 1
1% beta-Myrcene	UN-GHS: EDI 2A, SCI 2
1% Terpinolene	UN-GHS: ATO 5(3850); SCI 3; EH A2,C2
0.6% Thymol	UN-GHS: ATO 4(980); SCI 1C; EH A2,C2

### **04. FIRST AID MEASURES**

General Information	See categories below
Inhalation	Remove from exposure area to fresh air. Contact a doctor if necessary.
Ingestion	Wash mouth out with water and obtain medical advice immediately.
Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
Eye Contact	Flush with plenty of water and seek medical advice if necessary.

### **05. FIRE-FIGHTING MEASURES**

Extinguishing Media	Use CO <sub>2</sub> , Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special Fire Fighting Procedures	Wear protective clothing. Avoid inhalation of vapours.
Specific Hazards	None
Protective Measures in Fire	Closed containers may build up pressure when exposed to heat and should be cooled with water spray

### **06. ACCIDENTAL RELEASE MEASURES**

Personal Precautions	Maintain good occupational and personal hygiene. Avoid contact with skin and eyes
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# Safety Data Sheet

Environmental Precautions	Do not discharge directly into drains or soil. Keep away from surface and ground water
Spill Clean Up Methods	Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

## 07. HANDLING AND STORAGE

Usage Precautions	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
Storage Precautions	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.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment	<div style="display: flex; justify-content: space-around; align-items: center;">   </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <span>Goggles</span> <span>Gloves</span> </div>
Engineering Measures	Ensure good ventilation of working area.
Respiratory Equipment	As required. Avoid breathing product vapour.
Hand Protection	Avoid all skin contact. Use chemically resistant gloves if required.
Eye Protection	Use safety glasses.
Other Protection	As required
Hygiene Measures	Wash hands with soap & water after handling

## 09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Mobile liquid
Colour	Yellow to greenish-yellow
Odour	Characteristic
Relative Density	0.8900 to 0.9060 @ 25°C
Flash Point (°C)	52 c/c
Refractive Index	1.4700 to 1.4750 @ 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

## 10. STABILITY AND REACTIVITY

Stability	It presents no significant reactivity hazards, by itself or in contact with water.
Conditions to Avoid	Avoid storage temperatures above 25°C
Materials to Avoid	Avoid contact with strong acids, alkalis and oxidising agents.

# Safety Data Sheet

Hazardous Decomposition Products	Liabile to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.
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## 11. TOXOLOGICAL INFORMATION

Acute Toxicity	Acute toxicity Category 4 – H302 under EC 1272/2008 Acute oral toxicity (orl-rbt) LD50: 2.24g/Kg Opdyke (1976). Dermal toxicity (skn-rbt) LD50: >5g/Kg Opdyke (1976)
Skin corrosion / irritation	Skin irritation Category 2 – H315 under EC 1272/2008 Not irritating to rabbits nor to 25 human volunteers at 6% (Opdyke 1976).
Serious eye damage / irritation	Eye irritation Category 2 – H319 under EC 1272/2008
Respiratory or skin sensitisation	Skin sensitisation Category 1 – H317 under EC 1272/2008
Germ Cell Mutagenicity	Not classed as mutagenic
Carcinogenicity	Not classed as carcinogenic
Reproductive toxicity	Not considered a reprotoxicant
STOT-single exposure	No additional data available
STOT-repeated exposure	No additional data available
Aspiration hazard	Aspiration toxicity Category 1 – H304 under EC 1272/2008
Photo-toxicity	Not considered photo-toxic
Other Information	None

## 12. ECOLOGICAL INFORMATION



Ecotoxicity	Classed as Aquatic chronic 2 - H411
Mobility	No additional data available
Persistence & Biodegradability	No additional data available
Bioaccumulation Potential	No additional data available
PBT Assessment Results	No additional data available
Precautions	Do not discharge into the environment especially into waterways and the sea.

## 13. DISPOSAL CONSIDERATIONS

Disposal Methods	Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
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# Safety Data Sheet

## 14. TRANSPORT INFORMATION

Warning Icon	 
Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID
UN No. Road	UN 1169
ADR Class	Class 3
Hazard No (ADR)	30
Hazchem Code	•3YE
UN No. SEA	UN 1169
IMDG Class	Class 3
IMDG Pack Gr.	Pk Gp III
EMS	F-E, S-D
UN No. AIR	UN 1169
Air Class	Class 3
Air Pack Gr.	Pk Gp III

## 15. REGULATORY INFORMATION

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 <sup>th</sup> Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

## 16. OTHER INFORMATION

Revision Date	2/2015
Rev No/Repl, SDS Generated	1
Risk Phrases in Full	R10 Flammable liquid and vapour R38 Irritating to skin R43 May cause sensitisation by skin contact R51/53 Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed

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Hazard Statements in Full	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 H319 Causes serious eye irritation H411 Toxic to aquatic life with long-lasting effects
Other Information	Complies with REACH guidance for SDS as circulated by ECHA 2011.

**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.