

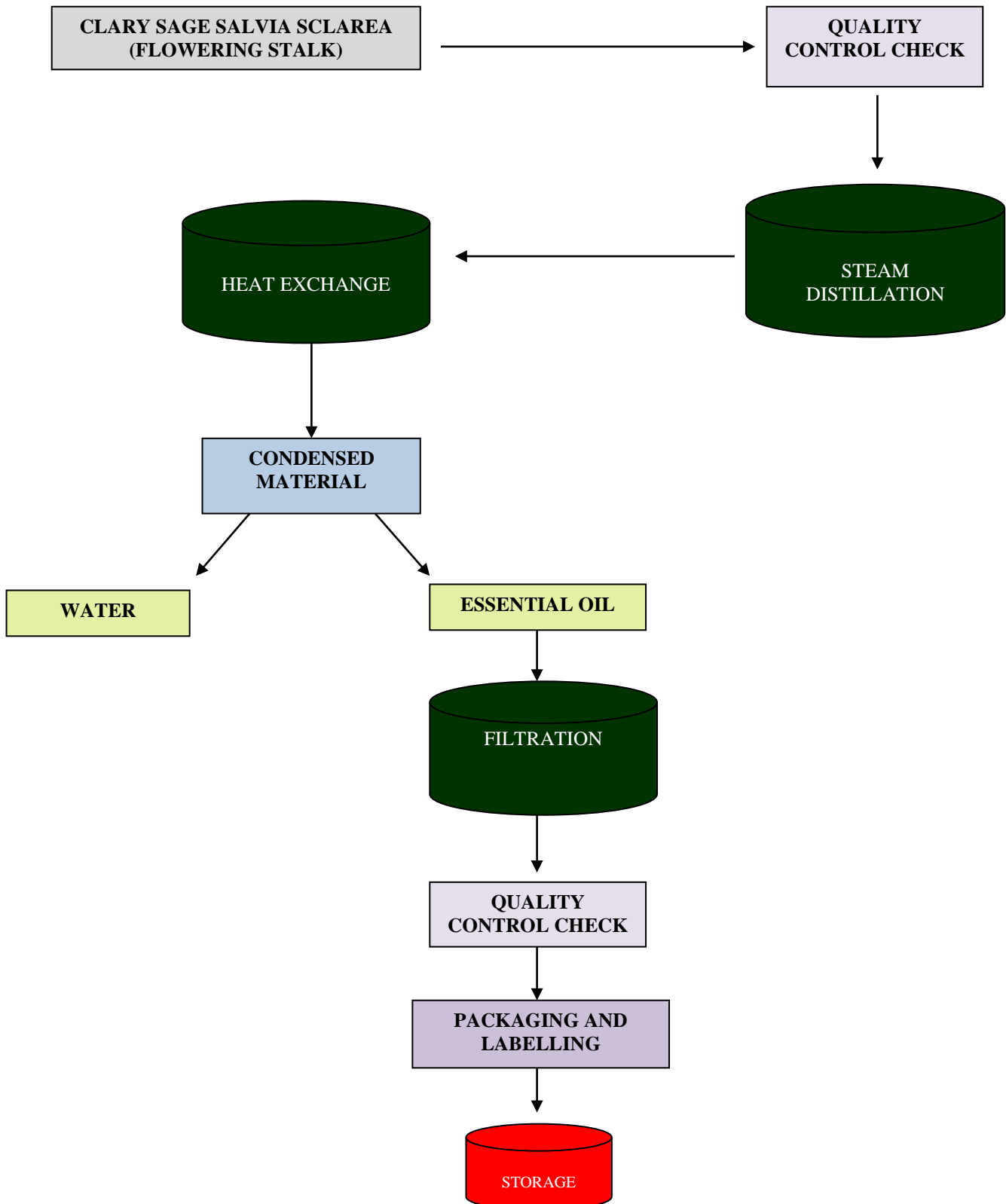


# Certificate of Analysis

PRODUCT DETAILS		
Product Name	CLARY SAGE OIL ORGANIC	
Product Code	OCCLARSAGE	
Batch Number	4372003	
Best Before End	September 2022	
Identification	CAS No:8016-63-5	EINECS No: 283-911-8
	Alternative CAS: 84775-83-7	FEMA: 2321
PHYSICAL AND CHEMICAL CHARACTERISTIC		
	SPECIFICATION RANGE	RESULTS
Appearance	Liquid	Conforms
Colour	Colourless to Yellow - Brown	Conforms
Odour	Characteristic- Sweet, Herbaceous, Ambery	Conforms
Relative Density @ 20°C	0.890 - 0.930	0.899
Refractive Index @ 20°C	1.456 - 1.473	1.47
Optical Rotation °	-26 to -1'	-2
Flash Point °C	≥70	Conforms
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	
Shelf Life	24 Months unopened and stored as above.	

**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 users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where MADAR Corporation make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. **It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.**

## PROCESSING – CLARY SAGE ORGANIC FLOW CHART





**SAFETY DATA SHEET  
CLARY SAGE OIL ORGANIC**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

<b>Product name</b>	CLARY SAGE OIL ORGANIC
<b>Product number</b>	OCCLARSAGE
<b>Synonyms; trade names</b>	Salvia Sclarea Oil
<b>CAS number</b>	8016-63-5
<b>Alternative Cas Number</b>	84775-83-7
<b>EC number</b>	283-911-8
<b>FEMA No:</b>	2321

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

<b>Identified uses</b>	Industrial, only for professional use
------------------------	---------------------------------------

**1.3. Details of the supplier of the safety data sheet**

**Supplier**

MADAR Corporation Limited  
19-20 Sandleheath Industrial Estate  
Fordingbridge  
SP6 1PA  
Tel. +44 1425 655555 (Opening Hours 9am - 5pm)  
e-mail sales@madarcorporation.co.uk

<b>Approved sellers</b>	Cosmetic Butters, Mystic Moments, New Directions, World of Moulds
-------------------------	---

**1.4. Emergency telephone number**

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

<b>Physical hazards</b>	Not Classified
<b>Health hazards</b>	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317
<b>Environmental hazards</b>	Aquatic Chronic 3 - H412
<b>Human health</b>	May cause an allergic skin reaction. Causes serious eye irritation Causes skin irritation.
<b>Environmental</b>	Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

<b>EC number</b>	283-911-8
------------------	-----------

## CLARY SAGE OIL ORGANIC

### Pictogram



### Signal word

Warning

### Hazard statements

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

P261 Avoid breathing vapour/ spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
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 rash occurs: Get medical advice/ attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents/ container in accordance with national regulations.

### Contains

Linalool, Geranyl Acetate, Geraniol, (R)-p-mentha-1,8-diene

### Supplementary precautionary statements

P264 Wash contaminated skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P321 Specific treatment (see medical advice on this label).  
P332+P313 If skin irritation occurs: Get medical advice/ attention.  
P337+P313 If eye irritation persists: Get medical advice/ attention.

### 2.3. Other hazards

## CLARY SAGE OIL ORGANIC

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>Linalyl Acetate</b> <span style="float: right;"><b>50 - 70%</b></span>		
CAS number: 115-95-7	EC number: 204-116-4	REACH registration number: 01-2119454789-19-0000
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319		
<b>Linalool</b> <span style="float: right;"><b>10 - 25%</b></span>		
CAS number: 78-70-6	EC number: 201-134-4	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317		
<b>Geranyl Acetate</b> <span style="float: right;"><b>&lt; 2.5%</b></span>		
CAS number: 105-87-3	EC number: 203-341-5	
<b>Classification</b> Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412		
<b>p-menth-1-en-8-ol</b> <span style="float: right;"><b>&lt; 2.5%</b></span>		
CAS number: 98-55-5	EC number: 202-680-6	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319		
<b>Geraniol</b> <span style="float: right;"><b>&lt; 2.5%</b></span>		
CAS number: 106-24-1	EC number: 203-377-1	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317		

## CLARY SAGE OIL ORGANIC

<b>(R)-p-mentha-1,8-diene</b>	<b>&lt; 2 %</b>
CAS number: 5989-27-5	EC number: 227-813-5
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b>	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Maintain an open airway. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Wash skin thoroughly with soap and water or use an approved skin cleanser. Continue to rinse for at least 15 minutes. Get medical attention.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Wash with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

**General information** No further information available at this time.

#### 4.3. Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** No data available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Use as appropriate carbon dioxide (CO<sub>2</sub>), dry chemical or foam

**Unsuitable extinguishing media** For safety reasons do not use full water jet.

#### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** In case of fire, the following can be released: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), smoke, soot. Do not breathe in smoke

**Hazardous combustion products** Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Wear full protective clothing

## CLARY SAGE OIL ORGANIC

### SECTION 6: Accidental release measures

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

**Personal precautions** Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. Keep unnecessary and unprotected personnel away from the spillage. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Treat the spilled material according to the instructions in the clean-up section. Wash thoroughly after dealing with a spillage.

#### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment.

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

**Methods for cleaning up** Cover with inert, inorganic, non-combustible material (e.g dry-lime, sand, soda ash). Place in covered containers and dispose of in accordance with local authority guidelines. Never return spills in original containers for re-use. Wash spill site after material pick up is complete. Clean preferably with a detergent, do not use solvents. No smoking, sparks, flames or other sources of ignition near spillage.

#### 6.4. Reference to other sections

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. Wear protective clothing as described in Section 8 of this safety data sheet. Do not get in eyes, on skin, or on clothing. Avoid breathing vapour/spray. Use only in well-ventilated areas. Use suitable respiratory protection if ventilation is inadequate. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Do not eat, drink or smoke when using this product.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

#### 7.3. Specific end use(s)

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

#### Linalyl Acetate (CAS: 115-95-7)

##### **DNEL**

Workers - Inhalation; Long term systemic effects: 2.75 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 2.5 mg/kg, bw/day  
General population - Inhalation; Long term systemic effects: 0.68 mg/m<sup>3</sup>  
General population - Dermal; Long term systemic effects: 1.25 mg/kg, bw/day  
General population - Oral; Long term systemic effects: 0.2 bw/day, mg/kg

## CLARY SAGE OIL ORGANIC

- PNEC**
- Fresh water; Short term 0.011 mg/l
  - Intermittent release, Fresh water; 0.11 mg/l
  - Marine water; Short term 0.001 mg/l
  - STP; Short term 10 mg/l
  - Sediment (Freshwater); Short term 0.609 mg/kg
  - Sediment (Marinewater); Short term 0.061 mg/kg
  - Soil; Short term 0.115 mg/kg

### Linalool (CAS: 78-70-6)

- DNEL**
- Workers - Dermal; Short term systemic effects: 5 mg/kg
  - Workers - Inhalation; Short term systemic effects: 16.5 mg/m<sup>3</sup>
  - Workers - Dermal; Long term systemic effects: 2.5 mg/kg
  - Workers - Inhalation; Long term systemic effects: 2.8 mg/m<sup>3</sup>
  - General population - Oral; Short term systemic effects: 1.5 mg/kg
  - General population - Dermal; Short term systemic effects: 2.5 mg/kg
  - General population - Inhalation; Short term systemic effects: 4.1 mg/m<sup>3</sup>
  - General population - Oral; Long term systemic effects: 0.2 mg/kg
  - General population - Dermal; Long term systemic effects: 1.25 mg/kg
  - General population - Inhalation; Long term systemic effects: 0.7 mg/m<sup>3</sup>
  - ; :

- PNEC**
- STP; Short term 10 mg/l
  - Soil; Short term 0.327 mg/kg
  - Intermittent release; Short term 2 mg/l
  - Fresh water; Short term 0.2 mg/l
  - Marine water; Short term 0.02 mg/l
  - Sediment (Freshwater); Short term 2.22 mg/kg
  - Sediment (Marinewater); Short term 0.222 mg/kg

### Geranyl Acetate (CAS: 105-87-3)

- DNEL**
- Workers - Inhalation; Long term systemic effects: 62.59 mg/m<sup>3</sup>
  - Workers - Dermal; Long term systemic effects: 35.5 bw/day, mg/kg
  - General population - Inhalation; Long term systemic effects: 15.4 mg/m<sup>3</sup>
  - General population - Dermal; Long term systemic effects: 17.75 bw/day, mg/kg
  - General population - Oral; Long term systemic effects: 8.9 mg/kg, bw/day

- PNEC**
- Fresh water; Short term 3.72 mg/l
  - Intermittent release, Fresh water; 37.2 mg/l
  - Marine water; Short term 0.372 mg/l
  - STP; Short term 8 mg/l
  - Sediment (Freshwater); Short term 0.442 mg/kg
  - Sediment (Marinewater); Short term 0.044 mg/kg
  - Soil; Short term 0.086 mg/kg

### p-menth-1-en-8-ol (CAS: 98-55-5)

- PNEC**
- Fresh water; Short term 68 mg/l
  - Marine water; Short term 6.8 mg/l
  - STP; Short term 2.6 mg/l
  - Sediment (Freshwater); Short term 1.85 mg/kg
  - Sediment (Marinewater); Short term 0.185 mg/kg
  - Soil; Short term 0.329 mg/kg

### Geraniol (CAS: 106-24-1)



## CLARY SAGE OIL ORGANIC

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 161.6 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 12.5 mg/kg, bw/day General population - Inhalation; Long term systemic effects: 47.8 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 7.5 mg/kg, bw/day General population - Oral; Long term systemic effects: 13.75 bw/day, mg/kg
<b>PNEC</b>	- Fresh water; Short term 0.011 mg/l - Intermittent release, Fresh water; 0.108 mg/l - Marine water; Short term 0.001 mg/l - STP; Short term 0.7 mg/l - Sediment (Freshwater); Short term 0.115 mg/kg - Sediment (Marinewater); Short term 0.011 mg/kg - Soil; Short term 0.017 mg/kg

### (R)-p-mentha-1,8-diene (CAS: 5989-27-5)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 33.3 mg/m <sup>3</sup> General population - Oral; Long term systemic effects: 4.76 mg/kg
<b>PNEC</b>	- STP; 1.8 mg/l - Soil; 0.262 mg/kg - Fresh water; 0.0054 mg/l - Marine water; 0.00054 mg/l - Sediment (Freshwater); 1.32 mg/kg - Sediment (Marinewater); 0.13 mg/kg

## 8.2. Exposure controls

### Protective equipment



Appropriate engineering controls

Provide eyewash station Provide adequate ventilation.

Personal protection

Use personal protection according to Directive 89/686/EEC

Eye/face protection

Approved safety goggles.

Hand protection

Chemical resistant gloves (PVC)

Other skin and body protection

Wear apron or protective clothing in case of contact.

Hygiene measures

Good personal hygiene procedures should be implemented.

Respiratory protection

Generally unnecessary in a well ventilated area.  
If ventilation is insufficient, respiratory protection must be worn.

Environmental exposure controls

Do not allow run-off fire fighting to enter drains or water courses.

## CLARY SAGE OIL ORGANIC

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless. to Yellow. - Brown.
Odour	Characteristic. Sweet herbaceous Ambery
Flash point	≥ 79°C
Relative density	0.890 - 0.908 @ 20°C
Solubility(ies)	Insoluble in water.

#### 9.2. Other information

Refractive index	1.456 - 1.466 @ 20°C
Optical Rotation	-26 to -8
Hydrocarbon Content	

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity	No hazardous reactions if stored and handled as prescribed / indicated.
------------	---

#### 10.2. Chemical stability

Stability	Stable under the prescribed storage conditions.
-----------	---

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No data available.
------------------------------------	--------------------

#### 10.4. Conditions to avoid

Conditions to avoid	No data available.
---------------------	--------------------

#### 10.5. Incompatible materials

Materials to avoid	No data available.
--------------------	--------------------

#### 10.6. Hazardous decomposition products

Hazardous decomposition products	Heating may generate the following products: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).
----------------------------------	---

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

Notes (oral LD <sub>50</sub> )	No information available.
--------------------------------	---------------------------

##### Acute toxicity - dermal

Notes (dermal LD <sub>50</sub> )	No information available.
----------------------------------	---------------------------

##### Acute toxicity - inhalation

Notes (inhalation LC <sub>50</sub> )	No information available.
--------------------------------------	---------------------------

##### Skin corrosion/irritation

Skin corrosion/irritation	Causes skin irritation.
---------------------------	-------------------------

## CLARY SAGE OIL ORGANIC

### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

### Skin sensitisation

**Skin sensitisation** May cause an allergic skin reaction.

### Aspiration hazard

**Aspiration hazard** No data available.

## SECTION 12: Ecological Information

### 12.1. Toxicity

**Toxicity** No data available.

**Toxicity to soil** No data available.

### 12.2. Persistence and degradability

**Biodegradation** No information available.

### 12.3. Bioaccumulative potential

### 12.4. Mobility in soil

**Mobility** No data available.

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not empty into drains. Avoid releasing into the environment.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

## CLARY SAGE OIL ORGANIC

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

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

**EU legislation** 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 (as amended).  
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) (as amended).

**Guidance** CHIP for everyone HSG228.

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

<b>Revision date</b>	08/11/2017
<b>Revision</b>	1
<b>SDS number</b>	5075
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour. 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. H412 Harmful to aquatic life with long lasting effects.

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.



# Product Specification

PRODUCT DETAILS		
Product Name	CLARY SAGE OIL ORGANIC	
Product Code	OCCLARSAGE	
Tariff Number	33012941	
INCI Name	Salvia Sclarea Oil	
Country of Origin	Bulgaria	
Natural Status	We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural. This product does not contain any solvents or additives.	
Food Grade Status	We confirm, from information received from our supplier, that this product conforms with EU Regulations and can be used in food.	
Kosher Certified	Yes	
Halal Certified	Suitable	
GMO Declaration	To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms.	
Manufacturing Process	Please request Flow Chart	
Identification	CAS No:8016-63-5	EINECS No: 283-911-8
	Alternative CAS: 84775-83-7	FEMA: 2321
PHYSICAL AND CHEMICAL CHARACTERISTIC		
Appearance	Liquid	
Colour	Colourless to Yellow - Brown	
Odour	Characteristic- Sweet, Herbaceous, Ambery	
Relative Density @ 20°C	0.890 - 0.908	
Refractive Index @ 20°C	1.456 - 1.466	
Optical Rotation °	-26 to -8'	
Flash Point °C	≥79	
Solubilities	Insoluble in water	
FRAGRANCE ALLERGENS		
Citral (5392-40-5) < 1%	Geraniol (106-24-1) < 2.4%	Linalool (78-70-6) 10 - 25%
Benzyl Benzoate (120-51-4) < 1%	Hexyl Cinnamal (101-86-0) < 1%	Limonene (5989-27-5) < 2%
FOOD ALLERGENS		
NONE PRESENT		
IFRA		
Sclareol (515-03-7) < 2.6%	Benzyl Benzoate (120-51-4) < 1%	Citral (5392-40-5) < 1%
Hexyl Cinnamal (101-86-0) < 1%	Geraniol (106-24-1) < 2.4%	Benzaldehyde (100-52-7) < 1%
Carvone (99-49-0) < 1%	Trans-2-Hexanal (6728-26-3) < 1%	
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	
Shelf Life	24 Months unopened and stored as above.	

**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 users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where MADAR Corporation make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.