

MATERIAL SAFETY DATA SHEET

Product: Clary Sage Essential Oil
Version: 1

Section 1: Identification of the substance/mixture and of the supplier

1.1 Product Identifier

Product Name	Clary Sage Essential Oil				
Biological Definition	The volatile oil obtained by steam distillation of the flowering tops & foliage of <i>Salvia sclarea</i> L. (Fam. Lamiaceae).				
INCI Name	Salvia sclarea oil				
Synonyms & Trade Names	Oil of Muscatel Sage				
FEMA No	2321	FDA No	§182.20	CoE No	415
CAS No	8016-63-5	EC No	283-911-8	Einecs No	283-911-8

1.2 Details of the supplier of the safety data sheet

1.3 Emergency telephone number

Company Identification	Fresholi Helen Williams 494 Groby Road Leicester LE3 9QD +44 (0) 116 299 6006 email: helen@fresholi.co.uk	Emergency Contact: Helen Williams Tel +44 (0) 116 299 6006
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Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC)	Xi; R38-43-52/53, S24-37
Classification (EU 1272/2008)	UN-GHS: FL 4, SCI 2, SS 1, EDI 2A, EH A2,C3 EU-CLP: SCI 2, SS 1, EDI 2

2.2 Label elements

Label in accordance with Regulation (EC) No 1272/2008

GHS Label:	 GHS07
Signal word:	Warning
Contains	Linalool, limonene
Hazard Statements:	H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation.
Precautionary Statements:	P262 Do not get in eyes on skin or on clothing P280 Wear protective gloves/protective clothing/eye protection/face protection 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:	-----

Risk phrases and Safety phrases in full refer to *Section 16 – Other Information*

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2.3 Other hazards

Adverse physio-chemical properties	Combustible but should not self-ignite
Adverse effects on human health	May cause sensitisation to skin and eyes.

SECTION 3: Composition/information on ingredients

3.1 Substances

60% Linalyl acetate UN-GHS: EDI 2A, EH A2, SCI 2 14% Linalool UN-GHS: ATO 5(3000), EDI 2A, EH A3, SCI 2 2% Geranyl acetate UN-GHS: SCI 3, EH A2,C2 2% alpha-Terpineol UN-GHS: ATO 5(4300), SCI 2, EDI 2A 0.1% Limonene UN-GHS: SCI 2, SS 1, EH A1,C1
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3.2 Mixtures

EU INCI	US INCI
N/A	N/A

SECTION 4: First-aid measures

4.1 Description of 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.

4.2 Most important symptoms and effects, both acute and delayed

N/A

4.3 Indication of any immediate medical attention and special treatment needed

N/A

SECTION 5: Firefighting measures

5.1 Extinguishing media

Use CO2, Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
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5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for fire fighters:

Wear protective clothing. Avoid inhalation of vapours. Closed containers may build up pressure when exposed to heat and should be cooled with water spray.
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SECTION 6: Accidental release measures

6.1 Personal precautions:

Maintain good occupational and personal hygiene. Avoid contact with skin and eyes.

6.2 Environmental precautions:

Do not discharge directly into drains or soil. Keep away from surface and ground water.

6.3 Methods and material for containment and cleaning up:

Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

6.4 Reference to other sections:

Please refer to Section 8 - Exposure controls/personal protection for further information on personal precautions.
Please refer to Section 13 - Disposal Considerations for further information on waste treatment.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

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

7.2 Conditions for safe storage, including any incompatibilities:

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

7.3 Specific end use(s):



N/A

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure Controls

Eye Protection		Use Safety Glasses.
Hand protection		Avoid all skin contact. Use chemically resistant gloves if required.
Respiratory Equipment	As required.	
Hygiene Measures	Wash hands with soap and water after handling.	
Engineering Measures	Ensure good ventilation of working area.	

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Mobile Liquid
Colour	Light yellow to yellow-green
Odour	Characteristic and Muscat-like described as herbaceous-floral and wine-like.
Relative Density	0.886 to 0.929 @ 20 C
Flash point:	75 C c/c
Refractive Index	1.458 to 1.473 @ 20 C

Melting Point	Not found
Boiling Point	210 C @ 760mm Hg
Vapour Pressure	Not found
Solubility in water	20.1mg/L @25 C
Auto-ignition Temperature	Not found

9.2 Other information:

N/A

SECTION 10: Stability and reactivity

10.1 Reactivity:

It presents no significant reactivity hazards, by itself or in contact with water.

10.2 Chemical stability:

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions:

None

10.4 Conditions to avoid:

Avoid storage temperatures above 25°C.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis and oxidising agents.

10.6 Hazardous decomposition products:

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:	See Below
LD50 (Oral):	Acute Oral toxicity LD50: orl-rat 5600.00 mg/kg FCT 12,865(1974).
LC50 (Dermal):	Acute Dermal toxicity LD50: skn-rat >2g/Kg FCT 12,865-866(1974).
Skin corrosion / irritation:	Moderately irritating to rabbit skin: see RIFM monographs (1974), FCT 12(Suppl.) 865 & (1982) FCT 20, 823. Skin corrosion/irritation Hazard Category 2 according to GHS & CLP..
Serious eye damage/irritation:	Hazard category 2 according to GHS & CLP.
Respiratory or skin sensitization:	Skin sensitizer Category 1 under GHS & CLP.
Germ cell mutagenicity:	Not found to be mutagenic in the <i>Bacillus subtilis</i> rec-assay or the Ames test (Zani et al 1991).
Carcinogenicity:	Anti-cancer activity exhibited in 4 human cell lines: Foray et al. 1999.
Reproductive toxicity:	No data found.
STOT-single exposure:	No data found.
STOT-repeated exposure:	No data found.
Aspiration hazard:	No data found.
Other information:	N/A

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SECTION 12: Ecological information

12.1 Toxicity:	No weight-of-evidence data available. Believed to be easily biodegradable.
12.2 Persistence and degradability:	Believed to be easily biodegradable and have low persistence in soil.
12.3 Bio-accumulative potential:	No data found
12.4 Mobility in soil:	Mobility believed to be low in soil.
12.5 Results of PBT and vPvB assessment:	None
12.6 Other adverse effects:	N/A

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.

SECTION 14: Transport information

Warning Icon	Exempt from labelling.
Proper Shipping Name	Not registered
UN No. Road	Not classified for transport.
ADR Class	Not applicable
Hazard No (ADR):	Not applicable
Hazchem Code:	Not applicable
UN No. SEA	Not classified for transport.
IMDG Class	Not applicable
IMDG Pack Gr.	Not applicable
EMS	Not applicable
UN No. AIR	Not classified for transport.
Air Class	Not applicable
Air Pack Gr.	Not applicable

SECTION 15: Regulatory information

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

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th 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 Instrument	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.

15.2 Chemical Safety Assessment

An assessment has not been executed as this is not a hazardous material according to article 31 of REACH 1907/2006.

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SECTION 16: Other information

Training instructions: Refer to possible hazard before use of this product

Abbreviations and acronyms:

Abbreviation	Meaning
ADN	International Carriage of Dangerous Goods by Inland Waterways
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstract Service
c/c	Closed Cup
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
ICAO	International Civil Aviation Organization
IMDR	International Maritime Code for Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
MSDS	Material Safety Data Sheet
N/A	Not Available
RID	International Carriage of Dangerous Goods by Rail
STOT	Specific Target Organ Toxicity
Trem Card	Transport Emergency Card

Risk Phrases in Full:	R38 Irritating to skin R43 May cause sensitisation by skin contact R52/53 Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment.
Hazard Statements in Full:	H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation.

Complies with REACH guidance for SDS as circulated by ECHA 2011.

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.