



Safety Data Sheet

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

1.1 Product Identifier

Product Name		Clary Sage Oil			
Biological Definition		Salvia Sclarea Oil is a volatile oil obtained from the Clary Sage, <i>Salvia sclarea L., Lamiaceae.</i>			
INCI Name		Salvia Sclarea Oil			
Synonyms & Trade Names		-			
CAS-No	8016-63-5 / 84775-83-7	EC No.	- / 283-911-8	EINECS No.	- / 283-911-8

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

No additional data available.

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 mixture does not present a physical hazard.

Human health Asp: Skin irritation, Category 2 (Skin Irrit. 2, H315).
 Eye irritation, Category 2 (Eye Irrit. 2, H319).
 Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Environment: This mixture does not present an environmental hazard.

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

GHS07



Signal Word

Warning

Contains

EC 203-377-1 GERANIOL
 EC 203-341-5 GERANYL ACETATE
 EC 227-813-5 D-LIMONENE

Hazard Statements	
H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.	
Precautionary Statements	
P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. 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.	
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	No additional data available.
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances	
50.0 - 100% Linalyl Acetate CAS-No.: 115-95-7 EC No.: 204-116-4	
Classification (EC 1272/2008)	GHS07, Wng. Eye Irrit. 2, H319, Skin Irrit. 2, H315
15.0 – 30.0% Linalool CAS-No.: 78-70-6 EC No.: 201-134-4	
Classification (EC 1272/2008)	GHS07, Wng. Eye Irrit. 2, H319, Skin Irrit. 2, H315
< 2.5% Geraniol CAS-No.: 106-24-1 EC No.: 204-377-1	
Classification (EC 1272/2008)	GHS05, GHS07, Dgr. Skin Irrit. 2, H315, Skin Sens. 1, H317, Eye Dam. 1, H318
< 2.5% Geranyl Acetate CAS-No.: 105-87-3 EC No.: 203-341-5	
Classification (EC 1272/2008)	GHS07, Wng. Eye Irrit. 2, H319, Skin Irrit. 2, H315
< 2.5% Alpha Terpineol CAS-No.: 98-55-5 EC No.: 202-680-6	
Classification (EC 1272/2008)	GHS07, Wng. Eye Irrit. 2, H319, Skin Irrit. 2, H315
< 2.5% D-Limonene CAS-No.: 5989-27-5 EC No.: 227-813-5	
Classification (EC 1272/2008)	GHS08, GHS02, GHS07, GHS09, Dgr. Asp. Tox. 1, H304, Flam. Liq. 3, H226, Skin Irrit. 2, H315, Skin Sens. 1B, H317, Aquatic Acute 1, H400, M Acute = 1. Aquatic Chronic 1, H410, M Chronic = 1

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove victim immediately from source of exposure. Get medical attention.
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.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention. Continue to rinse.
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, therefore extinguish flames as per surrounding area dictates. Extinguishing media: Carbon dioxide (CO ₂). Powder. Water spray.	
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) and carbon dioxide (CO ₂)	
5.3 Advice for firefighters	
Special Fire Fighting Procedures - Do not allow spillage into drains or waterways. Protective equipment for fire-fighters - Wear full protective clothing.	

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	
Wear protective clothing as described in Section 8 of this safety data sheet. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin and eyes. Maintain adequate ventilation in the working area after spilling.	
6.2 Environmental Precautions	
Do not discharge into drains, water courses or onto the ground.	
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). Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site with detergent after material pickup is complete. Do not use solvents. Dispose of in accordance with current laws and regulations.	
6.4 Reference to other sections	
Wear protective clothing as described in Section 8 of this safety data sheet.	

07. HANDLING AND STORAGE

7.1 Precautions for safe handling	
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. Avoid contact with skin and eyes.	

Remove and wash contaminated clothing before re-using.
Prevent access by unauthorised personnel.
No smoking, eating or drinking in areas where the substance is used.

7.2 Conditions for safe storage, including any incompatibilities

Keep product well sealed, in a dry, ventilated area and protected from light. Keep away from food, drink and animal feeding stuffs. Stock according to local / national regulations and always follow the precautions indicated on labels. 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

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

Workers

Exposure method: Dermal contact.
Potential health effects: Short term systemic effects.
DNEL : 5 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Short term local effects.
DNEL : 15 mg of substance/cm²

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 2.5 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term local effects.
DNEL : 15 mg of substance/cm²

Exposure method: Dermal contact.
Potential health effects: Short term systemic effects.
DNEL : 5 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Short term local effects.
DNEL : 15 mg of substance/cm²

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 2.5 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term local effects.
DNEL : 15 mg of substance/cm²

Exposure method: Inhalation.
Potential health effects: Short term systemic effects.
DNEL : 16.5 mg of substance/m³

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.

DNEL : 2.8 mg of substance/m³

Exposure method: Inhalation.
Potential health effects: Short term systemic effects.
DNEL : 16.5 mg of substance/m³

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 2.8 mg of substance/m³

Consumers

Exposure method: Ingestion.
Potential health effects: Short term systemic effects.
DNEL : 1.2 mg/kg body weight/day

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 0.2 mg/kg body weight/day

Exposure method: Ingestion.
Potential health effects: Short term systemic effects.
DNEL : 1.2 mg/kg body weight/day

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 0.2 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Short term systemic effects.
DNEL : 2.5 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Short term local effects.
DNEL : 15 mg of substance/cm²

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 1.25 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term local effects.
DNEL : 15 mg of substance/cm²

Exposure method: Dermal contact.
Potential health effects: Short term systemic effects.
DNEL : 2.5 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Short term local effects.
DNEL : 15 mg of substance/cm²

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.

DNEL : 1.25 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term local effects.
DNEL : 15 mg of substance/cm²

Exposure method: Inhalation.
Potential health effects: Short term systemic effects.
DNEL : 4.1 mg of substance/m³

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 0.7 mg of substance/m³

Exposure method: Inhalation.
Potential health effects: Short term systemic effects.
DNEL : 4.1 mg of substance/m³

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 0.7 mg of substance/m³

Predicted no effect concentration (PNEC):

Environmental compartment:	Soil.	PNEC : 0.327 mg/kg
Environmental compartment:	Soil.	PNEC : 0.327 mg/kg
Environmental compartment:	Fresh water.	PNEC : 0.2 mg/l
Environmental compartment:	Fresh water.	PNEC : 0.2 mg/l
Environmental compartment:	Sea water.	PNEC : 0.02 mg/l
Environmental compartment:	Sea water.	PNEC : 0.02 mg/l
Environmental compartment:	Intermittent waste water.	PNEC : 2 mg/l
Environmental compartment:	Intermittent waste water.	PNEC : 2 mg/l
Environmental compartment:	Fresh water sediment.	PNEC : 2.22 mg/kg
Environmental compartment:	Fresh water sediment.	PNEC : 2.22 mg/kg
Environmental compartment:	Marine sediment.	PNEC : 0.222 mg/kg
Environmental compartment:	Marine sediment.	PNEC : 0.222 mg/kg
Environmental compartment:	Waste water treatment plant.	PNEC : 10 mg/l
Environmental compartment:	Waste water treatment plant.	PNEC : 10 mg/l

8.2 Exposure controls

Protective Equipment



Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	Wear suitable respiratory equipment.
Hand Protection	Wear suitable protective gloves in the event of prolonged or repeated skin contact. 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. Recommended properties: 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 in 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	Wear appropriate clothing to prevent any possibility of skin contact.
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. 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. 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.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear liquid colourless to yellow-brown, often pale yellow.
Colour	Colourless to yellow-brown, often pale yellow.
Odour	Characteristic, Ethereal, sweet, herbaceous, amber clinging.
Relative Density	Approx. 0.910 @ 20°C
Flash Point (°C)	+81.0
Refractive Index	Approx. 1.465 @ 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

Stable under the recommended handling and storage conditions.

10.2 Chemical stability

Stable under the recommended handling and storage conditions.

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) and carbon dioxide (CO ₂).

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects		
Acute Toxicity	ALPHA-TERPINEOL (CAS: 98-55-5) GERANIOL (CAS: 106-24-1) LINALOOL (CAS: 78-70-6)	Oral route : LD50 = 4300 mg/kg Oral route : LD50 = 4200 mg/kg Oral route : LD50 = 2790 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 reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.	
Respiratory or skin sensitisation	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.	
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	No additional data available.	
Photo-toxicity	No additional data available.	
Other Information	No additional data available.	

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No additional data available.
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

Dispose of in compliance with all local and national regulations. 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.

Waste:

Do not pour into drains or waterways. 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	Not bound by transport regulations.
UN No. SEA	Not bound by transport regulations.
UN No. AIR	Not bound by transport regulations.

14.2 UN proper shipping name

Not bound by transport regulations.

14.3 Transport hazard class(es)

Not bound by transport regulations.

14.4 Packing group

Not bound by transport regulations.

14.5 Environmental hazards

None.

14.6 Special precautions for user

No additional data available.

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	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.
Other Information	None
Revision Date	July 12, 2016
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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