

CHEMICAL SAFETY DATA SHEET
according to 1907/2006/EC Article 31, as amended by N°
453/2010

1683502

Reviewed on: 07/03/18
Printing date: 07/03/2018

SECTION 01: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- * Trade name:
CLARY SAGE TRAD PAYS OIL
- * Article number:
F7855
- * CAS Number:
8016-63-5
- * EC Number:
283-911-8
- * No CAS EINECS:
84775-83-7
- * Registration number
01-2120757185-50-0002

1.2 Relevant identified uses of the substance or mixture and uses advised against Application of the substance / the preparation

- * Flavouring agent
- * Only for industrial use
- * Perfume ingredient

1.3 Details of the supplier of the safety data sheet

- * Manufacturer/Supplier:
BIOLANDES TEL: +33(0)5.58.51.00.00
- * Route de Bélis email: fds@biolandes.com
- * 40420 LE SEN
- * FRANCE

1.4 Emergency telephone number: FR-ORFILA (INRS):+33(0)1 45 42 59 59

SECTION 02: Hazards identification

2.1 Classification of the substance or mixture

- * Classification according to Regulation (EC) No 1272/2008



GHS07

- * Skin Sens. 1B - H317 May cause an allergic skin reaction.
- * Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

- * Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms



GHS07

- Signal word
Warning
- * - Hazard statements
H317 May cause an allergic skin reaction.
- * H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- * P272 Contaminated work clothing should not be allowed out of the workplace.
- * P273 Avoid release to the environment.
- * P280 Wear protective gloves.
- * P302+P352 IF ON SKIN: Wash with plenty of water.
- P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

2.3 Other hazards

- * Results of PBT and vPvB assessment

(continued on page 2)

CHEMICAL SAFETY DATA SHEET
according to 1907/2006/EC Article 31, as amended by N°
453/2010

1683502

Reviewed on: 07/03/18
Printing date: 07/03/2018

PRODUCT : CLARY SAGE TRAD PAYS OIL

(continued of page 1)

- PBT:
Not applicable.
- vPvB:
Not applicable.

SECTION 03: Composition/information on ingredients

3.1 Chemical characterization: Substances

CAS No.	Description	%
* 8016-63-5	Salvia sclarea L. • Identification number(s) • EC number: 283-911-8	
• Dangerous components:		
* CAS Number		%
* 115-95-7	Linalyl acetate ⚠ Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317	> 50,00
* 78-70-6	Linalool EC number: 201-134-4 ⚠ Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1B - H317	10,01- 20,00
* 105-87-3	Geranyl acetate EC number: 203-341-5 ⚠ Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Aquatic Chronic 3 - H412	1,01- 5,00
* 98-55-5	p-menth-1-en-8-ol EC number: 202-680-6 ⚠ Skin Irrit. 2 - H315, Eye Irrit. 2 - H319	1,01- 5,00
* 106-24-1	Geraniol ⚠ Eye Dam. 1 - H318; ⚠ Skin Irrit. 2 - H315, Skin Sens. 1B - H317	1,01- 5,00
* 5989-27-5	d-limonene ⚠ Asp. Tox. 1 - H304; ⚠ Flam. Liq. 3 - H226; ⚠ Skin Irrit. 2 - H315, Skin Sens. 1B - H317; ⚠ Aquatic Chronic 2 - H411	0,10-1,00
* 5392-40-5	Citral ⚠ Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1B - H317	0,10-1,00

SECTION 04: First aid measures

4.1 Description of first aid measures

- * General information:
Seek immediate medical advice.
- * After inhalation:
Supply fresh air and to be sure call for a doctor.
- * After skin contact:
If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.
- * After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

(continued on page 3)

CHEMICAL SAFETY DATA SHEET
according to 1907/2006/EC Article 31, as amended by N° 453/2010

1683502

Reviewed on: 07/03/18
 Printing date: 07/03/2018

PRODUCT : CLARY SAGE TRAD PAYS OIL

(continued of page 2)

- After swallowing:
Seek immediate medical advice.
- Information for doctor:

* 4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

* 4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 05: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing agents:
CO₂, sand, extinguishing powder. Do not use water.
Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents:
Water with full jet

* 5.2 Special hazards arising from the substance or mixture
No further relevant information available.

5.3 Advice for firefighters

- Protective equipment:
Do not inhale explosion gases or combustion gases.
- Additional information
Cool endangered receptacles with water spray.

SECTION 06: Accidental release measures

* 6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.

6.2 Environmental precautions:
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:
Dispose of the material collected according to regulations.

* 6.4 Reference to other sections
* See Section 7 for information on safe handling.
* See Section 8 for information on personal protection equipment.
* See Section 13 for disposal information.

SECTION 07: Handling and storage

• Handling:

7.1 Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.

* Ensure good ventilation/exhaustion at the workplace.
Handle with care. Avoid jolting, friction and impact.
• Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

- Storage:
- Requirements to be met by storerooms and receptacles:
Store in a cool location.
Prevent any seepage into the ground.
- Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.

(continued on page 4)

CHEMICAL SAFETY DATA SHEET
according to 1907/2006/EC Article 31, as amended by N°
453/2010

1683502

Reviewed on: 07/03/18
Printing date: 07/03/2018

PRODUCT : CLARY SAGE TRAD PAYS OIL

(continued of page 3)

Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.

7.3 Specific end use(s)

* No further relevant information available.

SECTION 08: Exposure controls/personal protection

8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:
Not required.

CAS No.	Designation of material	%	Type	Value	Unit
---------	-------------------------	---	------	-------	------

Not required.

- Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

- Personal protective equipment:
- * • General protective and hygienic measures:
Immediately remove all soiled and contaminated clothing
Avoid contact with the skin.
- Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.
- Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Safety glasses

SECTION 09: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	fluid
Colour:	colourless to brown-yellow
Odour:	agrestic
Odour threshold:	Not determined.

Change in condition

* Melting point/freezing point:	< -20 °C
* Initial boiling point and boiling range:	189 °C
* Flash point:	84 °C NFT 60-103 CC
* Flammability (solid, gas):	Not determined.
* Auto-ignition temperature:	260°C
Explosive properties:	Not determined.
Vapour pressure:	Not determined.
Density:	Not determined.
Relative density :	0,8900 0,9020 D20/20
Solubility in / Miscibility with	
water:	Not determined.
Partition coefficient: n-octanol/water:	Not determined.
* 9.2 Other information	No further relevant information available.

EU

(continued on page 5)

CHEMICAL SAFETY DATA SHEET
according to 1907/2006/EC Article 31, as amended by N°
453/2010

1683502

Reviewed on: 07/03/18
Printing date: 07/03/2018

PRODUCT : CLARY SAGE TRAD PAYS OIL

(continued of page 4)

SECTION 10: Stability and reactivity

- 10.1 Reactivity
* No further relevant information available.
- 10.2 Chemical stability
Thermal decomposition / conditions to be avoided:
Not determined.
- 10.3 Possibility of hazardous reactions
No dangerous reactions known.
- 10.4 Conditions to avoid
No further relevant information available.
- 10.5 Incompatible materials:
* No further relevant information available.
- 10.6 Hazardous decomposition products:
Not determined.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- * • Acute toxicity:
 - * • LD/LC50 values relevant for classification:
- | | <i>ISO LD/LC</i> |
|---|------------------|
| * 8016-63-5 <i>Salvia sclarea L.</i> | |
| * Oral, LD50: 5600 mg/kg (rat) (OECD 401 (1972)) | |
| * 78-70-6 <i>Linalool</i> | |
| * Oral, LD50: 2790 mg/kg (rat) | |
| * Dermal, LD50: 5610 mg/kg (Rabbit) | |
| * 98-55-5 <i>p-menth-1-en-8-ol</i> | |
| * Oral, LD50: 4300 mg/kg (rat) | |
| * 5989-27-5 <i>(R)-p-mentha-1,8-diene</i> | |
| * Oral, LD50: 4400 mg/kg (rat) | |
| * 5392-40-5 <i>Citral</i> | |
| * Oral, LD50: 4960 mg/kg (rat) | |

SECTION 12: Ecological information

- 12.1 Toxicity
- * • Aquatic toxicity:
- | |
|---|
| * 8016-63-5 <i>Salvia sclarea L.</i> |
| * CE50/48h: 14 mg/l (daphnia) (calculation) |
| * ErC50(0-72h): 18 mg/l (algae) (calculation) |
| * 78-70-6 <i>Linalool</i> |
| * LD50: 27,8 mg/l (fish) ((OECD 203)) |
| * ErC50(0-72h): 156,7 mg/l (algae) |
| * ErC50(0-48h): 59 mg/l (daphnia) ((OECD 202)) |
| * 5989-27-5 <i>(R)-p-mentha-1,8-diene</i> |
| * LD50: 0,71 mg/l (fish) (OECD 203) |
- 12.2 Persistence and degradability
Not determined.

(continued on page 6)

CHEMICAL SAFETY DATA SHEET
 according to 1907/2006/EC Article 31, as amended by N°
 453/2010

1683502

Reviewed on: 07/03/18
 Printing date: 07/03/2018

PRODUCT : CLARY SAGE TRAD PAYS OIL

(continued of page 5)

- Behaviour in environmental systems:
Not determined.

- * 12.3 Bioaccumulative potential
No further relevant information available.

- 12.4 Mobility in soil
No further relevant information available.
- Ecotoxicological effects:
Not determined.
- Additional ecological information:
- General notes:
Do not allow product to reach ground water, water course or sewage system.
Harmful to aquatic organisms
The material is harmful to the environment.

- 12.5 Results of PBT and vPvB assessment
- PBT:
Not applicable.
- vPvB:
Not applicable.

- 12.6 Other adverse effects
No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation
Must be specially treated adhering to official regulations.
 - Uncleaned packaging:
 - Recommendation:
Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN-Number
- | | |
|-------------|------|
| ADR | Void |
| IMDG | Void |
| IATA | Void |
- 14.2 UN proper shipping name
- | | |
|-------------|------|
| ADR | Void |
| IMDG | Void |
| IATA | Void |
- 14.3 Transport hazard class(es)
- | | |
|--------------|------|
| ADR | |
| Class | Void |
| IMDG | |
| Class | Void |
| IATA | |
| Class | Void |
- 14.4 Packing group
- | | |
|-------------|------|
| ADR | Void |
| IMDG | Void |
| IATA | Void |
- 14.5 Environmental hazards:
Not applicable.

(continued on page 7)

CHEMICAL SAFETY DATA SHEET
according to 1907/2006/EC Article 31, as amended by N°
453/2010

1683502

Reviewed on: 07/03/18
Printing date: 07/03/2018

PRODUCT : CLARY SAGE TRAD PAYS OIL

(continued of page 6)

- * 14.6 Special precautions for user
Not applicable.
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.
- Transport/Additional information:
Not applicable.

* **SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- REGULATION (EC) No 1907/2006 ANNEX XVII
Conditions of restriction: 3
- * 15.2 Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document. The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.
- * • Relevant phrases

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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
 - * H411 Toxic to aquatic life with long lasting effects.
 - * H412 Harmful to aquatic life with long lasting effects.
 - Training hints
 - * Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as the labeling of the product.
 - Abbreviations and acronyms:
 - IFRA: International Fragrance Association IOFI: International Organization of the Flavor Industry
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transport Association
 - ICAO: International Civil Aviation Organisation
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - * • Sources
 - * IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information
 - * Data compared to the previous version altered.