

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

1734103

 Reviewed on: 24/04/18
Printing date: 24/04/2018

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

1.1 Product identifier

- * • Trade name:
LAVENDER BULGARIA OIL
- Article number:
F1712
- CAS Number:
8000-28-0
- * • EC Number:
289-995-2
- * • No CAS EINECS:
90063-37-9
- * • Registration number
01-2120746582-51-0001

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



GHS08

Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways.



GHS07

- * Eye Irrit. 2 - H319 Causes serious eye irritation.
- * 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



GHS08 GHS07

- Signal word
Danger
- * - Hazard statements
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
- * - Precautionary statements
H412 Harmful to aquatic life with long lasting effects.

(continued on page 2)

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

1734103

 Reviewed on: 24/04/18
Printing date: 24/04/2018

PRODUCT : LAVENDER BULGARIA OIL

(continued of page 1)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

2.3 Other hazards

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

SECTION 03: Composition/information on ingredients

3.1 Chemical characterization: Substances

CAS No.	Description	%
* 8000-28-0	Lavandula angustifolia Miller (Syn : Lavandulaofficinalis Chaix)	
	• Identification number(s)	
	• EC number:	
* 289-995-2		
	• Dangerous components:	
	CAS Number	
* 115-95-7	Linalyl acetate	20,001-50,00
	⚠ Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	H319, Skin Sens. 1 - H317	
* 78-70-6	Linalool	20,001-50,00
	EC number: 201-134-4	
	⚠ Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	H319, Skin Sens. 1B - H317	
* 562-74-3	p-menth-1-en-4-ol	5,001-10,00
	EC number: 209-235-5	
	⚠ Acute Tox. 4 - H302, Skin Irrit. 2 -	
	H315, Eye Irrit. 2 - H319	
* 98-55-5	p-menth-1-en-8-ol	1,001- 5,00
	EC number: 202-680-6	
	⚠ Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	H319	
* 106-24-1	Geraniol	1,001- 5,00
	⚠ Eye Dam. 1 - H318; ⚠ Skin Irrit. 2	
	- H315, Skin Sens. 1B - H317	
* 2442-10-6	oct-1-en-3-yl acetate	0,101-1,00
	EC number: 219-474-7	
	⚠ Acute Tox. 4 - H302, Skin Sens. 1B -	
	H317	
* 470-82-6	Eucalyptol	0,101-1,00
	EC number: 207-431-5	
	⚠ Flam. Liq. 3 - H226; ⚠ Skin Sens.	
	1B - H317	
* 5989-27-5	d-limonene	0,101-1,00
	⚠ Asp. Tox. 1 - H304; ⚠ Flam. Liq. 3	
	- H226; ⚠ Skin Irrit. 2 - H315, Skin	
	Sens. 1B - H317; ⚠ Aquatic Chronic 2 -	

(continued on page 3)

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

1734103

Reviewed on: 24/04/18
 Printing date: 24/04/2018

PRODUCT : LAVENDER BULGARIA OIL

(continued of page 2)

* **H411**

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.
- 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 contaminated material as waste according to item 13.

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.

EU

(continued on page 4)

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

1734103

 Reviewed on: 24/04/18
 Printing date: 24/04/2018

PRODUCT : LAVENDER BULGARIA OIL
(continued of page 3)
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.
 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:
 Keep away from foodstuffs, beverages and feed.
 Avoid contact with the eyes.
 - 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:	pale yellow
Odour:	aromatic
Odour threshold:	Not determined.

Change in condition
(continued on page 5)

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

1734103

Reviewed on: 24/04/18
Printing date: 24/04/2018

PRODUCT : LAVENDER BULGARIA OIL

(continued of page 4)

*	Melting point/freezing point:	< -20 °C
*	Initial boiling point and boiling range:	172 °C
*	Flash point:	78 °C NPT 60-103 CC
*	Flammability (solid, gas):	Not determined.
*	Auto-ignition temperature:	250°C
	Explosive properties:	Not determined.
	Vapour pressure:	Not determined.
	Density:	Not determined.
	Relative density :	0,8790 0,8890 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.

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:
- | | | ISO LD/LC |
|---|--|-----------|
| * | 8000-28-0 <i>Lavandula angustifolia</i> Miller (Syn : <i>Lavandula officinalis</i> Chaix) | |
| * | Oral, LD50: >5000 mg/kg (rat) (OECD 401) | |
| * | 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) | |
| * | • Primary irritant effect: | |
| * | • on the skin: | |
| * | No irritant effect. | |
| * | • on the eye: | |
| | Irritating effect. | |
| | • Sensitization: | |
| | Sensitization possible through skin contact. | |
| * | • Subacute to chronic toxicity: | |

(continued on page 6)

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

1734103

Reviewed on: 24/04/18
Printing date: 24/04/2018

PRODUCT : LAVENDER BULGARIA OIL

(continued of page 5)

* Not determined.

SECTION 12: Ecological information

12.1 Toxicity

- * Aquatic toxicity:
- * **8000-28-0** ***Lavandula angustifolia* Miller (Syn : *Lavandula officinalis* Chaix)**
- * CE50/48h: 21,995 mg/l (daphnia) (OECD 202)
- * ErC50(0-72h): 13 mg/l (algae) (OECD 201)
- * **78-70-6** ***Linalool***
- * 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** ***(R)-p-mentha-1,8-diene***
- * LD50: 0,71 mg/l (fish) (OECD 203)

12.2 Persistence and degradability

- Not determined.
- 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
------------	------

(continued on page 7)

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

1734103

Reviewed on: 24/04/18
Printing date: 24/04/2018

PRODUCT : LAVENDER BULGARIA OIL

(continued of page 6)

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.

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.
 - * H302 Harmful if swallowed.
 - * 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.
- 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)

(continued on page 8)

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

1734103

Reviewed on: 24/04/18
Printing date: 24/04/2018

PRODUCT : LAVENDER BULGARIA OIL*(continued of page 7)*

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.