

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

1648001

 Reviewed on: 16/05/18
 Printing date: 16/05/2018

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

1.1 Product identifier

- Trade name:
LAVANDIN COLOURLESS
- Article number:
P82083202000
- CAS Number:
8022-15-9
- EC Number:
294-470-6
- No CAS EINECS:
91722-69-9
- Registration number
01-2120736147-55-0001

*

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

*

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

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

SECTION 03: Composition/information on ingredients

3.1 Chemical characterization: Substances

CAS No.	Description	
*	8022-15-9 Lavandula x intermedia Emeric ex Loisel. (SynLavandula hybrida Reverchon / Lavandula x burnatiiBriquet)	
	<ul style="list-style-type: none"> • Identification number(s) • EC number: 294-470-6 • Dangerous components: 	
*	CAS Number	%
*	78-70-6 Linalool EC number: 201-134-4 ⚠ Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1B - H317	20,001-50,00
*	76-22-2 bornan-2-one ⚠ Flam. Sol. 2 - H228; ⚠ Acute Tox. 4 - H302, Acute Tox. 4 - H332; ⚠ STOT SE 2 - H371	5,001-10,00
*	470-82-6 Eucalyptol EC number: 207-431-5 ⚠ Flam. Liq. 3 - H226; ⚠ Skin Sens. 1B - H317	5,001-10,00
*	91-64-5 Coumarin EC number: 202-086-7 ⚠ Acute Tox. 4 - H302, Skin Sens. 1B - H317	1,001- 5,00
*	106-24-1 Geraniol ⚠ Eye Dam. 1 - H318; ⚠ Skin Irrit. 2 - H315, Skin Sens. 1B - H317	1,001- 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	0,101-1,00
*	5392-40-5 Citral ⚠ Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1B - H317	0,101-1,00
*	2442-10-6 oct-1-en-3-yl acetate EC number: 219-474-7 ⚠ Acute Tox. 4 - H302, Skin Sens. 1B - H317	0,101-1,00

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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 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.

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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.
 - 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:	pale yellow
Odour:	lavandin, agrestic
Odour threshold:	Not determined.

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Change in condition	
* Melting point/freezing point:	< -20 °C
* Initial boiling point and boiling range:	141 °C
* Flash point:	80 °C NFT 60-103 CC
* Flammability (solid, gas):	Not determined.
* Auto-ignition temperature:	265°C
* Explosive properties:	Not determined.
* Vapour pressure:	Not determined.
* Density:	Not determined.
* Relative density :	0,8840 0,9040 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**
- * **8022-15-9** ***Lavandula x intermedia Emeric ex Loisel. (Syn***
* ***Lavandula hybrida Reverchon / Lavandula x burnatii***
* ***Briquet***
* Oral, LD50: >5000 mg/kg (rat) (1973)
* Dermal, LD50: >5000 mg/kg (rat) (1973)
- * **78-70-6** ***Linalool***
* Oral, LD50: 2790 mg/kg (rat)
* Dermal, LD50: 5610 mg/kg (Rabbit)
- * **91-64-5** ***Coumarin***
* Oral, LD50: 293 mg/kg (rat)
- * **5989-27-5** ***(R)-p-mentha-1,8-diene***
* Oral, LD50: 4400 mg/kg (rat)
- * **5392-40-5** ***Citral***
* Oral, LD50: 4960 mg/kg (rat)
- Primary irritant effect:
 - on the skin:

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- * Irritant to skin and mucous membranes.
 - on the eye:
- * No irritating effect.
 - Sensitization:
- * Sensitization possible through skin contact.
 - Subacute to chronic toxicity:
- * Not determined.

SECTION 12: Ecological information

- 12.1 Toxicity
- * Aquatic toxicity:
 - * **8022-15-9** *Lavandula x intermedia Emeric ex Loisel. (Syn*
Lavandula hybrida Reverchon / Lavandula x burnatii
Briquet)
 - * CE50/48h: 14 mg/l (daphnia) (OECD 202)
 - * ErC50(0-72h): 21 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)
 - * **76-22-2** *bornan-2-one*
 - * CE50/48h: 26,82 mg/l (daphnia)
 - * ErC50(0-72h): 23,8 mg/l (algae)
 - * **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.

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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.

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.

H228 Flammable solid.

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.

* H332 Harmful if inhaled.

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- | | | |
|---|------|--|
| * | H371 | May cause damage to organs. |
| * | 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)
 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.