

Safety Data Sheet

according to 29 CFR 1910.1200

1759001

 Reviewed on: 01/07/20
 Printing date: 01/07/2020

01 Identification

1.1 Product identifier

- Trade name:
LAVANDIN HEXANE ABSOLUTE
- Article number:
F1718
- CAS Number:
8022-15-9
- EC Number:
294-470-6

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

- Application of the substance / the preparation
Perfume ingredient
- * Only for industrial use

1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:
BIOLANDES, BP2 TEL: +33(0)5.58.51.00.00
* 2760 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

02 Hazard(s) identification

2.1 Classification of the substance or mixture



GHS07

Skin Irrit. 2 - H315 Causes skin irritation.
 Eye Irrit. 2A - H319 Causes serious eye irritation.
 Skin Sens. 1 - H317 May cause an allergic skin reaction.



GHS08

STOT SE 2 - H371 May cause damage to organs.

H402 Harmful to aquatic life.

2.2 Label elements

- GHS label elements
- Hazard pictograms



GHS07 GHS08

- Signal word
Warning

- Hazard statements

H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H371 May cause damage to organs.
 H402 Harmful to aquatic life.

- Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
 P261 Avoid breathing dust/fume/gas/mist/vapors/spray
 P264 Wash thoroughly after handling.
 P302+P352 If on skin: Wash with plenty of water.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

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03 Composition/information on ingredients

3.1 Chemical characterization: Substances

CAS No.	Description	%
* 8022-15-9	Lavandula × intermedia Emeric ex Loisel. (SynLavandula hybrida Reverchon / Lavandula x burnatiiBriquet)	
	<ul style="list-style-type: none"> • Identification number(s) • EC Number: 294-470-6 	
	<ul style="list-style-type: none"> • Dangerous components: 	
CAS Number		%
* 115-95-7	acetate linalyle	20,001-50,00
	EC Number: 204-116-4	
* 78-70-6	linalol	20,001-50,00
	EC Number: 201-134-4	
* 76-22-2	bornane-2-one (camphor)	5,001-10,00
	EC Number: 200-945-0	
* 91-64-5	coumarin	5,001-10,00
	EC Number: 202-086-7	
* 470-82-6	eucalyptol	1,001- 5,00
	EC Number: 207-431-5	
* 87-44-5	caryophyllene	1,001- 5,00
	EC Number: 201-746-1	
* 5989-27-5	limonene-d	0,101-1,00
	EC Number: 227-813-5	
* 105-87-3	geranyl acetate	0,101-1,00
	EC Number: 203-341-5	
* 2442-10-6	oct-1-en-3-nyl acetate	0,101-1,00
	EC Number: 219-474-7	
* 106-24-1	geraniol	0,101-1,00
	EC Number: 203-377-1	

04 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. Immediately rinse with water.
- * After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- * After swallowing: Seek immediate medical advice.

05 Fire-fighting measures

- Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water. Use fire fighting measures that suit the environment.
- For safety reasons unsuitable extinguishing agents: Water with full jet

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- 5.2 Special hazards arising from the substance or mixture
- * Formation of toxic gases is possible during heating or in case of fire.
 - *
 - Protective equipment:
Mount respiratory protective device.
Do not inhale explosion gases or combustion gases.
 - Additional information
Cool endangered receptacles with water spray.

06 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- * Mount respiratory protective device.
 - * Wear protective equipment. Keep unprotected persons away.
 - * Ensure adequate ventilation
Keep away from ignition sources
- 6.3 Methods and material for containment and cleaning up:
- * Dispose contaminated material as waste according to item 13.
 - * Ensure adequate ventilation.
- 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.

07 Handling and storage

- Handling:
- 7.1 Precautions for safe handling
- * Keep receptacles tightly sealed.
 - * Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
 - * Handle with care. Avoid jolting, friction and impact.
 - Information about protection against explosions and fires:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
 - Storage:
 - * Requirements to be met by storerooms and receptacles:
Store only in the original receptacle.
Use only receptacles specifically permitted for this substance/ product.
 - * Further information about storage conditions:
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.
- 7.3 Specific end use(s)
- * No further relevant information available.

08 Exposure controls/personal protection

- Components 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 that were valid during the creation were used as basis.
 - Personal protective equipment:
 - General protective and hygienic measures:
 - * The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
 - * Wash hands before breaks and at the end of work.
 - * Do not inhale gases / fumes / aerosols.
 - * Do not inhale dust / smoke / mist.
Avoid contact with the skin.

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- Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air. 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

09 Physical and chemical properties

General Information

Appearance:

Form: heterogeneous cloudy liquid

Color: green-brown

Odor: agrestic

Odor threshold: Not determined.

Change in condition

Boiling point/Boiling range: Undetermined.

* **Flash point:** 93,0 °C NPT 60-103 CC

Flammability (solid, gaseous): Undetermined.

* **Auto igniting:** Not determined.

Danger of explosion: Undetermined.

Vapor pressure: Not determined.

Density: Not determined.

Solubility in / Miscibility with

Water: Not determined.

Partition coefficient (n-octanol/water): Not determined.

* **Other information** No further relevant information available.

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
Undetermined.
- * • Incompatible materials:
No further relevant information available.
- Hazardous decomposition products:
Undetermined.

11 Toxicological information

- * • Acute toxicity:
- * • LD/LC50 values that are relevant for classification:

ISO LD/LC

* **78-70-6 linalol**
Oral, LD50: 2790 mg/kg (rat) Dermal, LD50: 5610 mg/kg (Rabbit) Dermal, LD50: >1000 mg/kg (mouse) (NTP 1998)
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- * **76-22-2 bornane-2-one (camphor)**
- * Oral, LD50: >5000 mg/kg (rat) (Opdyke 1978)
- * **91-64-5 coumarin**
- * Oral, LD50: 293 mg/kg (rat)
- * **470-82-6 eucalyptol**
- * Oral, LD50: 3849 mg/kg (mouse) (Jiao Xu, 2014)
- * **87-44-5 caryophyllene**
- * Oral, LD50: > 5000 mg/kg (rat) (Hart and Wong 1971)
- * **5989-27-5 limonene-d**
- * Oral, LD50: 4400 mg/kg (rat)
- * **105-87-3 geranyl acetate**
- * Oral, LD50: >4000 mg/kg (rat) (NTP 1987)
- * • Primary irritant effect:
- * • on the skin:
- * Irritant to skin and mucous membranes.
- * • on the eye:
- * No irritating effect.
- * • Sensitization:
- * **2442-10-6 oct-1-en-3-nyl acetate**
- * Dermal, OECD 429 LLNA: SENSITIZER (mouse) (EC3 > 7500, IFRA STANDARD 2009) Sensitization, NESIL: 3500 ug cm² (mouse) (IFRA 2009)
- * Sensitization possible through skin contact.
- * • Subacute to chronic toxicity:
- * **115-95-7 acetate linalyle**
- * Oral, NOAEL: 250 mg/kg (rat) (90days, RIFM 1980) 2008)
- * **78-70-6 linalol**
- * Oral, NOAEL: 200 mg/kg (rat) (maternal toxicity, Politano and al.,
- * **76-22-2 bornane-2-one (camphor)**
- * Oral, NOAEL: >800 mg/kg (rat) (fetal toxicity GD 6 to 15, NTP 1992)
- * **91-64-5 coumarin**
- * Oral, NOAEL: 75 mg/kg (rat) (13 weeks, NTP 1993)
- * **87-44-5 caryophyllene**
- * Oral, NOAEL: 700 mg/kg (rat) (90 days Schmitt 2016)
- * • OSHA-Ca (Occupational Safety & Health Administration)
- * Substance is not listed.

12 Ecological information

- * • Aquatic toxicity:
- * **115-95-7 acetate linalyle**
- * ErC50(0-72h): 9,6 mg/l (algae) (RIFM 2015) ErC50(0-48h): 15 mg/l (daphnia) (RIFM 2015) 96h-LC50: 11 mg/l (fish) (RIFM 1998) ErC50(0-72h): 156,7 mg/l (algae) ErC50(0-48h): 59 mg/l (daphnia) ((OECD 202) ErC50(0-72h): 23,8 mg/l (algae)
- * **78-70-6 linalol**
- * LD50: 27,8 mg/l (fish) ((OECD 203) RIFM 1991)
- * **76-22-2 bornane-2-one (camphor)**
- * CE50/48h: 26,82 mg/l (daphnia)
- * **91-64-5 coumarin**
- * CE50/48h: 30 mg/l (daphnia) (RIFM 2019)
- * **5989-27-5 limonene-d**
- * LD50: 0,71 mg/l (fish) (OECD 203)
- * • Persistence and degradability
- * No further relevant information available.
- * • Behavior in environmental systems:
- * Not determined.
- * • Bioaccumulative potential
- * No further relevant information available.
- * • Ecotoxicological effects:

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Not determined. (Contd. of page 5)

13 Disposal considerations

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

14 Transport information

- UN-Number
- DOT** Void
- ADR** Void
- IMDG** Void
- IATA** Void
- UN proper shipping name
- DOT** Void
- ADR** Void
- IMDG** Void
- IATA** Void
- Transport hazard class(es)
- DOT**
- Class** Void
- ADR**
- Class** Void
- IMDG**
- Class** Void
- IATA**
- Class** Void
- Packing group
- DOT** Void
- ADR** Void
- IMDG** Void
- IATA** Void

- Environmental hazards:
Not applicable.

- * • Special precautions for user
Not applicable.

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

- Transport/Additional information:
Not applicable.

USA

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15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
Non-mandatory
 - Hazardous Air Pollutants
- * Substance is not listed.

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 US 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 vapor.
H227	Combustible liquid.
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.
* H371	May cause damage to organs.
* H400	Very toxic to aquatic life.
* H401	Toxic to aquatic life.
* H402	Harmful to aquatic life.
* 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.
 - Date of preparation / last revision
01.07.2020
 - 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
 - Sources

* IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information
 - * Data compared to the previous version altered.