

Safety Data Sheet  
according to 29 CFR 1910.1200

1644002

 Reviewed on: 16/05/17  
 Printing date: 16/05/2017

## 01 Identification

### 1.1 Product identifier

- Trade name:  
TUBEROSE ARTESSENCE
- Article number:  
E4987

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

- Application of the substance / the preparation  
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

## 02 Hazard(s) identification

### 2.1 Classification of the substance or mixture



GHS07

- \* Eye Irrit. 2 - H319 Causes serious eye irritation.
- \* Skin Sens. 1 - H317 May cause an allergic skin reaction.
- \* H227 Combustible liquid.
- \* H401 Toxic to aquatic life.
- \* Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

- GHS label elements
- Hazard pictograms



GHS07

- Signal word  
Warning
- \* - Hazard statements
  - \* H319 Causes serious eye irritation.
  - \* H317 May cause an allergic skin reaction.
  - \* H227 Combustible liquid.
  - \* H401 Toxic to aquatic life.
  - \* H412 Harmful to aquatic life with long lasting effects.
- \* - Precautionary statements
  - \* P210 Keep away from flames and hot surfaces. No smoking.
  - \* P261 Avoid breathing dust/fume/gas/mist/vapors/spray
  - \* P264 Wash thoroughly after handling.
  - \* P302+P352 IF ON SKIN: Wash with plenty of water.
  - \* P403+P235 Store in a well-ventilated place. Keep cool.
  - \* P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

USA

(Contd. on page 2)

Safety Data Sheet  
according to 29 CFR 1910.1200

1644002

Reviewed on: 16/05/17  
Printing date: 16/05/2017

**PRODUCT : TUBEROSE ARTESSENCE**

(Contd. of page 1)

### 03 Composition/information on ingredients

#### 3.2 Chemical characterization: Mixtures

- Description:  
Mixture

- Dangerous components:

<b>CAS Number</b>		<b>%</b>
* 111753-62-9	<i>anthranolene</i>	5,01- 10,00
* 120-51-4	<i>benzyl benzoate</i>	5,01- 10,00
* 100-51-6	<i>benzyl alcohol</i>	1,01- 5,00
	<i>EINECS Number: 202-859-9</i>	
* 134-20-3	<i>methyl anthranilate</i>	1,01- 5,00
	<i>EINECS Number: 205-132-4</i>	
* 4602-84-0	<i>farnesol</i>	1,01- 5,00
	<i>EINECS Number: 225-004-1</i>	
* 119-36-8	<i>methyl salicylate</i>	1,01- 5,00
	<i>EINECS Number: 204-317-7</i>	
* 93-58-3	<i>methyl benzoate</i>	1,01- 5,00
	<i>EINECS Number: 202-259-7</i>	
* 118-58-1	<i>benzyl salicylate</i>	1,01- 5,00
* 10482-56-1	<i>p-menth-1-ene-8-ol (terpineol alpha)</i>	1,01- 5,00
	<i>EINECS Number: 233-986-8</i>	
* 78-70-6	<i>linalol</i>	0,10-1,00
	<i>EINECS Number: 201-134-4</i>	
* 470-82-6	<i>eucalyptol natural</i>	0,10-1,00
	<i>EINECS Number: 207-431-5</i>	
* 5989-27-5	<i>limonene-d</i>	0,10-1,00
	<i>EINECS Number: 227-813-5</i>	
* 106-24-1	<i>geraniol</i>	0,10-1,00
* 120-72-9	<i>indol</i>	0,10-1,00
	<i>EINECS Number: 204-420-7</i>	

### 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.
- \* 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:  
CO<sub>2</sub>, 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
- \* 5.2 Special hazards arising from the substance or mixture  
No further relevant information available.
- \* Protective equipment:  
Do not inhale explosion gases or combustion gases.
- \* Additional information

(Contd. on page 3)

Safety Data Sheet  
according to 29 CFR 1910.1200

1644002

 Reviewed on: 16/05/17  
 Printing date: 16/05/2017

**PRODUCT : TUBEROSE ARTESSENCE**

Cool endangered receptacles with water spray.

(Contd. of page 2)

### 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
- 6.3 Methods and material for containment and cleaning up:
  - \* Dispose of the collected material 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.

### 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 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 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.

### 08 Exposure controls/personal protection

- Components with limit values that require monitoring at the workplace:
 

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

CAS No.	Designation of material	%	Type	Value	Unit
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.					
- Additional information:
  - The lists that were valid during the creation were used as basis.
- 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 eyes.
  - \* • Breathing equipment: 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  - 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

USA

(Contd. on page 4)

Safety Data Sheet  
according to 29 CFR 1910.1200

1644002

Reviewed on: 16/05/17  
Printing date: 16/05/2017

**PRODUCT : TUBEROSE ARTESSENCE**

(Contd. of page 3)

**09 Physical and chemical properties**

**General Information**

**Appearance:**

**Form:** fluid  
**Color:** orange-yellow  
**Odor:** floral  
**Odour threshold:** Not determined.

**Change in condition**

**Boiling point/Boiling range:** Undetermined.

**Flash point:** 82 °C NFT 60-103 CC

**Flammability (solid, gaseous):** Undetermined.

**Auto igniting:** Undetermined.

**Danger of explosion:** Undetermined.

**Vapor pressure:** Not determined.

**Density:** Not determined.

**Relative density** 0,9750 0,9900 D 20/20

**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

*	<b>120-51-4</b>	<b>benzyl benzoate</b>
*	Oral, LD50: 1700 mg/kg (rat)	
*	Dermal, LD50: 4000 mg/kg (Rabbit)	
*	<b>100-51-6</b>	<b>benzyl alcohol</b>
*	Oral, LD50: 1230 mg/kg (rat)	
*	Dermal, LD50: 2000 mg/kg (Rabbit)	
*	<b>134-20-3</b>	<b>methyl anthranilate</b>
*	Oral, LD50: 2910 mg/kg (rat)	
*	Dermal, LD50: >5000 mg/kg (Rabbit)	
*	<b>4602-84-0</b>	<b>farnesol</b>
*	Oral, LD50: 20000 mg/kg (rat)	
*	Dermal, LD50: 15000 mg/kg (rat)	
*	<b>119-36-8</b>	<b>methyl salicylate</b>
*	Oral, LD50: 887 mg/kg (rat)	
*	<b>93-58-3</b>	<b>methyl benzoate</b>
*	Oral, LD50: 1177 mg/kg (rat)	
*	<b>78-70-6</b>	<b>linalol</b>
*	Oral, LD50: 2790 mg/kg (rat)	
*	Dermal, LD50: 5610 mg/kg (Rabbit)	
*	<b>5989-27-5</b>	<b>limonene-d</b>

(Contd. on page 5)

Safety Data Sheet  
according to 29 CFR 1910.1200

1644002

 Reviewed on: 16/05/17  
 Printing date: 16/05/2017

**PRODUCT : TUBEROSE ARTESSENCE**

(Contd. of page 4)

- \* Oral, LD50: 4400 mg/kg (rat)
- \* **120-72-9 indol**
- \* Oral, LD50: 1000 mg/kg (rat)
- \* Dermal, LD50: 790 mg/kg (Rabbit)
- \*
  - Primary irritant effect:
  - on the skin:
  - \* No irritant effect.
  - on the eye:
  - \* Irritating effect.
  - Sensitization:
  - \* Sensitization possible through skin contact.
  - Subacute to chronic toxicity:
  - \* Undetermined.
  - Additional toxicological information:
  - The product shows the following dangers according to internally approved calculation methods for preparations:
  - Irritant
- Carcinogenic categories
- IARC (International Agency for Research on Cancer)
- \* 140-11-4 acetate de benzyle : 3
- \* 91-64-5 coumarin : 3
- NTP (National Toxicology Program)
- \* None of the ingredients is listed.

**12 Ecological information**

- \*
  - Aquatic toxicity:
  - \* **5989-27-5 limonene-d**
  - \* fish, LD50: 0,71 mg/l (OECD 203)
- Persistence and degradability
- Not determined.
- Behavior in environmental systems:
- Not determined.
- Bioaccumulative potential
- \* 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 product contains materials that are harmful to the environment.

**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

(Contd. on page 6)

Safety Data Sheet  
according to 29 CFR 1910.1200

1644002

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 Printing date: 16/05/2017

**PRODUCT : TUBEROSE ARTESSENCE**

(Contd. of page 5)

<b>ADR</b>	Void
<b>IMDG</b>	Void
<b>IATA</b>	Void
• Transport hazard class(es)	
<b>DOT</b>	
<b>Class</b>	Void
<b>ADR</b>	
<b>Class</b>	Void
<b>IMDG</b>	
<b>Class</b>	Void
<b>IATA</b>	
<b>Class</b>	Void
• Packing group	
<b>DOT</b>	Void
<b>ADR</b>	Void
<b>IMDG</b>	Void
<b>IATA</b>	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.

### 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture  
Non-mandatory

### 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.
H302	Harmful if swallowed.
* H304	May be fatal if swallowed and enters airways.
* H311	Toxic in contact with skin.
* H315	Causes skin irritation.
* H317	May cause an allergic skin reaction.
* H318	Causes serious eye damage.
* H319	Causes serious eye irritation.
* H320	Causes eye irritation.
* H400	Very toxic to aquatic life.
* H401	Toxic to aquatic life.
* H402	Harmful to aquatic life.
* H410	Very toxic to aquatic life with long lasting effects.
* H411	Toxic to aquatic life with long lasting effects.
* H412	Harmful to aquatic life with long lasting effects.

- Training hints

(Contd. on page 7)

Safety Data Sheet  
according to 29 CFR 1910.1200

1644002

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**PRODUCT : TUBEROSE ARTESSENCE***(Contd. of page 6)*

- \* 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  
16.05.2017
- 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.