

1644007

Reviewed on: 12.17.2025
Printing date: 12.17.2025

01 Identification

1.1 Product identifier

- Trade name:
Tuberose Artesence - BIOLANDES
- 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
Only for industrial use

1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:
EDEN BOTANICALS
3820 Cypress Dr. #12
Petaluma, CA 94954
USA
Phone : +1-707-509-0041
email : fds@biolandes.com

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



GHS05

Eye damage 1 - H318 Causes serious eye damage.



GHS07

Sensitization - skin 1 - H317 May cause an allergic skin reaction.



GHS08

Reproductive toxicity 2 - H361 Suspected of damaging fertility or the unborn child.
Flammable liquids 4 - H227 Combustible liquid.



GHS09

Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.
Aquatic Acute 2 - H401 Toxic to aquatic life.

2.2 Label elements

- GHS label elements
- Hazard pictograms



GHS05

GHS07

GHS08

GHS09

- Signal word
Danger

- Hazard statements
H227 Combustible liquid.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

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- H361 Suspected of damaging fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects.
- Precautionary statements
 - P201 Obtain special instructions before use.
 - P202 Do not handle until all safety precautions have been read and understood.
 - P210 Keep away from flames and hot surfaces. No smoking.
 - 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.
 - Hazards not otherwise classified
 - There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

03 Composition/information on ingredients

3.2 Chemical characterization: Mixtures

- Description:
Mixture

- Dangerous components:

CAS Number		%
93-16-3	METHYL ISOEUGENOL	5,001-10,00
	EC Number: 202-224-6	
111753-62-9	anthranolene	5,001-10,00
	EC Number: 601-114-9	
13475-82-6	solis-isododecane	5,001-10,00
	EC Number: 236-757-0	
120-51-4	BENZYL BENZOATE	5,001-10,00
	EC Number: 204-402-9	
100-51-6	benzyl alcohol	1,001- 5,000
	EC Number: 202-859-9	
134-20-3	methyl anthranilate	1,001- 5,000
	EC Number: 205-132-4	
118-58-1	BENZYL SALICYLATE	1,001- 5,000
	EC Number: 204-262-9	
4602-84-0	farnesol	1,001- 5,000
	EC Number: 225-004-1	
119-36-8	METHYL SALICYLATE	1,001- 5,000
	EC Number: 204-317-7	
93-58-3	METHYL BENZOATE	1,001- 5,000
	EC Number: 202-259-7	
301-00-8	Linolenate de methyle	1,001- 5,000
	EC Number: 206-102-3	
10482-56-1	p-menth-1-ene-8-ol (terpineol alpha)	1,001- 5,000
	EC Number: 233-986-8	
78-70-6	LINALOOL	0,101-1,000
	EC Number: 201-134-4	
470-82-6	EUCALYPTOL	0,101-1,000
	EC Number: 207-431-5	
115-95-7	LINALYL ACETATE	0,101-1,000
	EC Number: 204-116-4	
106-24-1	GERANIOL	0,101-1,000
	EC Number: 203-377-1	
120-72-9	indol	0,101-1,000
	EC Number: 204-420-7	
91-64-5	COUMARIN	0,101-1,000
	EC Number: 202-086-7	

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PRODUCT : TUBEROSE ARTESSENCE
5989-27-5
LIMONENE

EC Number: 227-813-5

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0,101-1,000

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
- 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:
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
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.
- 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.
Open and handle receptacle with care.
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.
Prevent any seepage into the ground.

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- 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:
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:
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.
Store protective clothing separately.
Avoid contact with the skin.
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
Safety glasses

09 Physical and chemical properties

General Information

Appearance:

Form:	fluid
Color:	orange-yellow
Physical state	Liquid
Odor:	floral
Odor threshold:	Not determined.

Change in condition

Boiling point/Boiling range:	Undetermined.
Flash point:	82,0 °C NFT 60-103 CC
Flammability (solid, gaseous):	Undetermined.
Auto igniting:	Not determined.
Danger of explosion:	Undetermined.
Vapor pressure:	Not determined.

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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.
Particle characteristics	not applicable

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

120-51-4 BENZYL BENZOATE

Oral, LD50: 1700 mg/kg (rat)
Oral, LD50: 3450 mg/kg (mouse) (Bier, 1979)
Dermal, LD50: 4000 mg/kg (Rabbit)

100-51-6 BENZYL ALCOHOL

Oral, LD50: 1200 mg/kg (ETA)
Oral, LD50: 1230 mg/kg (rat)
Dermal, LD50: 2000 mg/kg (Rabbit)
Inhalative, LC50/4h: >12 mg/l (rat) (CIR assessment 2017)

134-20-3 methyl anthranilate

Oral, LD50: 2910 mg/kg (rat)
Dermal, LD50: >5000 mg/kg (Rabbit)

4602-84-0 FARNESOL

Oral, LD50: 20000 mg/kg (rat)
Dermal, LD50: 15000 mg/kg (rat)

119-36-8 METHYL SALICYLATE

Oral, LD50: 890 mg/kg (ETA)
Oral, LD50: 887 mg/kg (rat)

93-58-3 METHYL BENZOATE

Oral, LD50: 1177 mg/kg (rat)

10482-56-1 TERPINEOL

Oral, LD50: 5170 mg/kg (rat) (Handbook of preservatives 2004)

78-70-6 LINALOOL

Oral, LD50: 2790 mg/kg (rat)
Dermal, LD50: 5610 mg/kg (Rabbit)

470-82-6 EUCALYPTOL

Oral, LD50: 3849 mg/kg (mouse) (Jiao Xu, 2014)

120-72-9 indol

Oral, LD50: 1000 mg/kg (rat)
Dermal, LD50: 790 mg/kg (Rabbit)

91-64-5 COUMARIN

Oral, LD50: 293 mg/kg (rat)

5989-27-5 LIMONENE

Oral, LD50: 4400 mg/kg (rat)

- Primary irritant effect:
- on the skin:
No irritant effect.

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- on the eye:
- 100-51-6 BENZYL ALCOHOL**
Irritation of eyes, OECD 405 DRAIZE: IRRITANT (Rabbit) (CIR assessment 2017)
Strong irritant with the danger of severe eye injury.
Causes serious eye damage.
- Sensitization:
- 120-51-4 BENZYL BENZOATE**
Sensitization, NESIL: 59000 ug/cm2 (human being) (Standard IFRA)
- 100-51-6 BENZYL ALCOHOL**
Sensitization, NESIL: 5900 ug/cm2 (human being) (IFRA STANDARD)
Sensitization possible through skin contact.
- Subacute to chronic toxicity:
- 100-51-6 BENZYL ALCOHOL**
Oral, NOAEL: > 400 mg/kg (rat) (CIR assessment 2017)
- Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Corrosive
Irritant
The product can cause deformations.
Carcinogenic if inhaled.
- Carcinogenic categories
- IARC (International Agency for Research on Cancer)
91-64-5 COUMARIN : 3
5989-27-5 LIMONENE : 3
- Interactive effects
No interactive effects between components are known.
- Specific target organ toxicity - single exposure
Not determined.
- Specific target organ toxicity - repeated exposure
Not determined.

12 Ecological information

- Aquatic toxicity:
- 78-70-6 LINALOOL**
LD50: 27,8 mg/l (fish) ((OECD 203) RIFM 1991)
ErC50(0-72h): 156,7 mg/l (algae)
ErC50(0-48h): 59 mg/l (daphnia) ((OECD 202)
- 115-95-7 LINALYL ACETATE**
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)
- 91-64-5 COUMARIN**
CE50/48h: 30 mg/l (daphnia) (RIFM 2019)
- 5989-27-5 LIMONENE**
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:
Not determined.
- Additional ecological information:
- General notes:
Toxic for aquatic organisms
The product contains materials that are harmful to the environment.

USA

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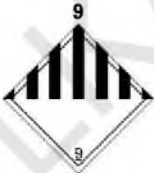
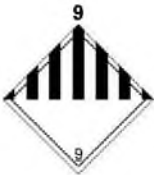
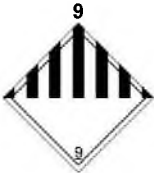
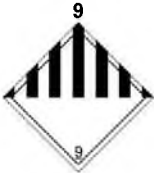
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13 Disposal considerations

- 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 UN3082
 - . ADR UN3082
 - . IMDG UN3082
 - . IATA UN3082
- UN proper shipping name
 - . DOT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 - . ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 - . IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 - . IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- Transport hazard class(es)
 - . DOT
 - . Class 9 Miscellaneous dangerous substances and articles
 - . Label
 - 9
 - 
 - . ADR
 - . Class 9 (M6) Miscellaneous dangerous substances and articles
 - . Label
 - 9
 - 
 - 
 - . IMDG
 - . Class 9 Miscellaneous dangerous substances and articles
 - . Label
 - 9
 - 
 - 
 - . IATA
 - . Class 9 Miscellaneous dangerous substances and articles
 - . Label
 - 9
 - 
 - 
- Packing group

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- | | |
|--------|-----|
| . DOT | III |
| . ADR | III |
| . IMDG | III |
| . IATA | III |
- Environmental hazards:

. Marine pollutant:	Yes
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 - Special precautions for user

Warning: Miscellaneous dangerous substances and articles	
. Danger code (Kemler):	90
. EMS Number:	F-A,S-F
 - Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.	
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 - Transport/Additional information:

. DOT	
. Quantity limitations	On passenger aircraft/rail: 450 L On cargo aircraft only: 450 L
. IMDG	
. Limited quantities (LQ)	5L
. Excepted quantities (EQ)	E1
 - UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III	
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15 Regulatory information

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

Non-mandatory	
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- PFAS

None of the ingredients is listed.	
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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.
H312	Harmful 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.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

- Training hints

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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
17.12.2025
- 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.