

1691404

01 Identification

1.1 Product identifier

- Trade name:
Mandarin Artescence - BIOLANDES
- Article number:
E3321

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



GHS08

- * Aspiration hazard 1 - H304 May be fatal if swallowed and enters airways.



GHS02

- * Flammable liquids 3 - H226 Flammable liquid and vapor.



GHS07

- * Skin irritation 2 - H315 Causes skin irritation.
- * Sensitization - skin 1 - H317 May cause an allergic skin reaction.



GHS09

Aquatic Acute 1 - H400 Very 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



GHS08



GHS02



GHS07



GHS09

- Signal word
Danger

- Hazard statements
H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.

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H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P301+P310 If swallowed: Immediately call a poison center/doctor.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

03 Composition/information on ingredients

3.2 Chemical characterization: Mixtures

- Description:
Mixture

- Dangerous components:

CAS Number		%
5989-27-5	LIMONENE EC Number: 227-813-5	50,001-100
80-56-8	pin-2(3)-ene (alpha pinene) EC Number: 201-291-9	1,001- 5,000
123-35-3	MYRCENE EC Number: 204-622-5	1,001- 5,000
127-91-3	pin-2(10)-ene (pinene beta) EC Number: 204-872-5	1,001- 5,000
586-62-9	p-mentha-1,4(8)-diene (terpinolene) EC Number: 209-578-0	0,101-1,000
99-86-5	ALPHA-TERPINENE EC Number: 202-795-1	0,101-1,000
78-70-6	LINALOOL EC Number: 201-134-4	0,101-1,000
99-49-0	d-p-mentha-1(6),8-diène-2-one EC Number: 202-759-5	0,101-1,000
87-44-5	caryophyllene alim EC Number: 201-746-1	0,101-1,000
10191-41-0	Tocopherol alpha (E307) EC Number: 233-466-0	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.
- After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:
Seek immediate medical advice.

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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.
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.
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.
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:

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- 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.
Avoid contact with the skin.
- 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

09 Physical and chemical properties

General Information

Appearance:

Form:	fluid
Color:	yellow
Odor:	citrus
Odor threshold:	Not determined.

Change in condition

Boiling point/Boiling range:	Undetermined.
Flash point:	57,0 °C NFT 60-103 CC
Flammability (solid, gaseous):	Undetermined.
Auto igniting:	Not determined.
Danger of explosion:	Undetermined.
Vapor pressure:	Not determined.
Density:	Not determined.
Relative density	0,8440 0,8500 D20/20
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.

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11 Toxicological information

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

ISO LD/LC

5989-27-5 LIMONENE

Oral, LD50: 4400 mg/kg (rat)

99-86-5 ALPHA-TERPINENE

Oral, LD50: 1680 mg/kg (ETA)

78-70-6 LINALOOL

Oral, LD50: 2790 mg/kg (rat)

Dermal, LD50: 5610 mg/kg (Rabbit)

87-44-5 BETA-CARYOPHYLLENE

Oral, LD50: > 5000 mg/kg (rat) (Hart and Wong 1971)

- Primary irritant effect:
- on the skin:
Irritant to skin and mucous membranes.
Causes skin irritation.
- on the eye:
No 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:
Harmful
Irritant
Carcinogenic if inhaled.
- Specific target organ toxicity - single exposure
Not determined.
- Specific target organ toxicity - repeated exposure
Not determined.

12 Ecological information

- Aquatic toxicity:

5989-27-5 LIMONENE
LD50: 0,71 mg/l (fish) (OECD 203)

123-35-3 MYRCENE
LD50: 0,51 mg/l (fish) (OECD 203)
CE50/48h: 0,65 mg/l (daphnia)

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)

- 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:
Very toxic for aquatic organisms
Harmful to aquatic organisms
Danger to drinking water if even extremely small quantities leak into the ground.
The product contains materials that are harmful to the environment.

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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 UN1993
 - . ADR UN1993
 - . IMDG UN1993
 - . IATA UN1993
- UN proper shipping name
 - . DOT FLAMMABLE LIQUIDS, N.O.S.
 - . ADR 1993 FLAMMABLE LIQUIDS, N.O.S.
 - . IMDG FLAMMABLE LIQUID, N.O.S.
 - . IATA FLAMMABLE LIQUID, N.O.S.

- Transport hazard class(es)

- . DOT 3 Flammable liquids
- . Class 3
- . Label



- . ADR 3 (F1) Flammable liquids
- . Class 3
- . Label



- . IMDG 3 Flammable liquids
- . Class 3
- . Label



- . IATA 3 Flammable liquids
- . Class 3
- . Label



- Packing group

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- | | |
|--------|-----|
| . DOT | III |
| . ADR | III |
| . IMDG | III |
| . IATA | III |
- Environmental hazards:
 - . Marine pollutant: Yes
 - Special precautions for user
 - Warning: Flammable liquids
 - . Danger code (Kemler): 30
 - . EMS Number: F-E,S-E
 - Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.
 - Transport/Additional information:
 - . DOT
 - . Quantity limitations On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
 - . IMDG
 - . Limited quantities (LQ) 5L
 - . Excepted quantities (EQ) E1
 - UN "Model Regulation":
UN 1993 FLAMMABLE LIQUIDS, N.O.S., 3, III, DANGEREUX POUR L'ENVIRONNEMENT

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.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- 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
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

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- 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.