BIOLANDES

# CHEMICAL SAFETY DATA SHEET

*according to 2020/878/EC (1907/2006/EC Article 31)*

1344206

Reviewed on: 20.12.2022
Printing date: 20.12.2022

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

1.1 Product identifier

- Trade name:
  VANILLA E50 OLEORESIN
- Article number:
  F9960
- CAS Number:
  8024-06-4
- EC Number:
  283-521-8
- No CAS EINECS:
  84650-63-5

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

## SECTION 02: Hazards identification

2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

GHS07

Eye Irrit. 2 - H319 Causes serious eye irritation.

2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms

GHS07
- Signal word
  Warning
- Hazard statements
  H319 Causes serious eye irritation.
* - Precautionary statements
  P264 Wash thoroughly after handling.
* P280 Wear eye protection / face protection.
* P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
* P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT:
  Not applicable.
- vPvB:
  Not applicable.
- Determination of endocrine-disrupting properties
* Substance is not listed.



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## SECTION 03: Composition/information on ingredients

3.1 Substances

| CAS No. | Description |
|---|---|
| * 8024-06-4 | Vanilla planifolia Jacks. ex Andrews (Syn Vanilla fragrans Ames) |

- Identification number(s)
- EC number:
  283-521-8

- Dangerous components:

| CAS Number | | % |
|---|---|---|
| * **121-33-5** | **vanillin** | **5,001-10,00** |
| * | **EC number: 204-465-2** | |
| * | **Eye Irrit. 2 - H319** | |

## 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.
- 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
* Formation of toxic gases is possible during heating or in case of fire.

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.
* Ensure adequate ventilation
Keep away from ignition sources.

6.2 Environmental precautions:

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Do not allow product to reach sewage system or any water course.

* 6.3 Methods and material for containment and cleaning up:
* Pick up mechanically.

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.

## SECTION 07: Handling and storage

* 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 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 only in the original receptacle.
* Use only receptacles specifically permitted for this substance/ product.
- Information about storage in one common storage facility:
* Not required.
* - Further information about storage conditions:
* Keep container 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.

## * SECTION 08: Exposure controls/personal protection

8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:
  Not required.
- Additional information:
  The lists valid during the making were used as basis.

8.2 Exposure controls
- Individual protection measures, such as personal protective equipment
* - General protective and hygienic measures:
* The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
* Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
- 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/face protection

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Safety glasses

## SECTION 09: Physical and chemical properties

| | | |
|---|---|---|
| | **9.1 Information on basic physical and chemical properties** | |
| | **General Information** | |
| * | **Physical state** | Solid |
| | **Colour:** | dark brown |
| | **Odour:** | vanilla |
| | **Odour threshold:** | Not determined. |
| | **Boiling point or initial boiling point and boiling range** | Not determined. |
| | **Flammability** | Not determined. |
| | **Lower and upper explosion limit** | |
| * | **Lower:** | Not determined. |
| * | **Upper:** | Not determined. |
| * | **Flash point:** | > 100,0 °C NFT 60-103 CC |
| * | **Decomposition temperature:** | Not determined. |
| * | **pH** | Not applicable. |
| | **Viscosity:** | |
| * | **Kinematic viscosity** | Not applicable. |
| * | **Dynamic:** | Not applicable. |
| | **Solubility** | |
| | **water:** | Not determined. |
| | **Partition coefficient n-octanol/water (log value)** | Not determined. |
| * | **Vapour pressure:** | Not applicable. |
| | **Density and/or relative density** | |
| | **Density:** | Not determined. |
| * | **Relative density** | not available |
| * | **Vapour density** | Not applicable. |
| | **9.2 Other information** | No further relevant information available. |
| | **Appearance:** | |
| | **Form:** | pasty |
| | **Important information on protection of health and environment, and on safety.** | |
| * | **Auto-ignition temperature:** | Not determined. |
| | **Explosive properties:** | Not determined. |
| | **Solvent content:** | |
| * | **Solids content:** | 0,00 % |
| | **Change in condition** | |
| * | **Evaporation rate** | Not applicable. |
| | **Information with regard to physical hazard classes** | |
| * | **Explosives** | not applicable |
| * | **Flammable gases** | not applicable |
| * | **Aerosols** | not applicable |
| * | **Oxidising gases** | not applicable |
| * | **Gases under pressure** | not applicable |
| * | **Flammable liquids** | not applicable |
| * | **Flammable solids** | not applicable |
| * | **Self-reactive substances and mixtures** | not applicable |
| * | **Pyrophoric liquids** | not applicable |
| * | **Pyrophoric solids** | not applicable |

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| | |
|---|---|
| **Self-heating substances and mixtures** | not applicable |
| **Substances and mixtures, which emit flammable gases in contact with water** | not applicable |
| **Oxidising liquids** | not applicable |
| **Oxidising solids** | not applicable |
| **Organic peroxides** | not applicable |
| **Corrosive to metals** | not applicable |
| **Desensitised explosives** | not applicable |

## SECTION 10: Stability and reactivity

10.1 Reactivity
No further relevant information available.

10.2 Chemical stability

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 hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity

LD/LC50 values relevant for classification:

**ISO LD/LC**

**121-33-5 vanillin**
Oral, LD50: 1580 mg/kg (rat) (Inouye, and al., 1988)
Oral, LD50: 1000 mg/kg (mouse) (Taylor, and al., 1964)

- Primary irritant effect:
- Skin corrosion/irritation
  No irritant effect.
- Serious eye damage/irritation
  Irritating effect.
  Causes serious eye irritation.
- Respiratory or skin sensitisation
  No sensitizing effects known.
- Germ cell mutagenicity

**121-33-5 vanillin**
OECD 471 AMES: NEGATIVE (in vitro) (Heck and al., 1989)

- Carcinogenicity

**121-33-5 vanillin**
Micronoyau: NEGATIVE (mouse) (Sanyal and al., 1997)

- Reproductive toxicity
  Not determined.
- STOT-single exposure
  Not determined.
- STOT-repeated exposure
  Not determined.
- Aspiration hazard
  Not determined.
- Subacute to chronic toxicity:

**121-33-5 vanillin**
Oral, NOAEL: 1000 mg/kg (rat) (12 months Hagan and al., 1967)

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11.2 Information on other hazards
- Endocrine disrupting properties

* Substance is not listed.

## SECTION 12: Ecological information

12.1 Toxicity
- Aquatic toxicity:
  No further relevant information available.

* 12.2 Persistence and degradability
* No further relevant information available.
- 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.

12.5 Results of PBT and vPvB assessment
- PBT:
  Not applicable.
- vPvB:
  Not applicable.

12.6 Endocrine disrupting properties
* The product does not contain substances with endocrine disrupting properties.

12.6 Other adverse effects
No further relevant information available.
- Ecotoxical effects:
  Not determined.

## 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.

## SECTION 14: Transport information

14.1 UN number or ID 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 |

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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 Maritime transport in bulk according to IMO instruments
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

- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II

* Substance is not listed.

- REGULATION (EU) 2019/1148
- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

* Substance is not listed.

- Annex II - REPORTABLE EXPLOSIVES PRECURSORS

* Substance is not listed.

- Regulation (EC) No 273/2004 on drug precursors

* Substance is not listed.

- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

* Substance is not listed.

- National regulations:

- Waterhazard class:

* Water hazard class 1 (Self-assessment): slightly hazardous for water.

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

* H319 Causes serious eye irritation.

- 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 IFRA:International Fragrance Association IOFI:International Organization of the Flavor Industry

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ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) 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) 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 IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation DOT: US Department of Transportation
IATA: International Air Transport Association IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation ICAO: International Civil Aviation Organisation
GHS: Globally Harmonised System of Classification and Labelling of Chemicals GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society) CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative vPvB: very Persistent and very Bioaccumulative
CE50: effective concentration at 50% ErC50:concentration of test substance which results in a 50 percent reduction in either growth rate (ErC50)relative to the control within 72hrs exposure.

* • Sources
* IFRA/IOFI Labelling Manual,REACH registration dossier,supplier information

• * Data compared to the previous version altered.