

1629104

Reviewed on: 03.04.2025  
Printing date: 04.04.2025

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

### 1.1 Product identifier

- Trade name:  
BENZOIN SIAM RESINOID 50%/DPG
- Article number:  
F0383
- \* • UFI:  
\* XYA0-10E8-N00D-U7WV

### 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

## SECTION 02: Hazards identification

### 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008



GHS05

Eye Dam. 1 - H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 - H315 Causes skin irritation.  
Skin Sens. 1B - H317 May cause an allergic skin reaction.



GHS08

STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.

### 2.2 Label elements

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



GHS05

GHS07

GHS08

- Signal word  
Danger

- Hazard-determining components of labelling:  
Benzoic acid

- Hazard statements

- \* H315 Causes skin irritation.
- \* H317 May cause an allergic skin reaction.
- \* H318 Causes serious eye damage.
- \* H373 May cause damage to organs through prolonged or repeated exposure.
- \* EUH208 Contains ISOEUGENOL. May produce an allergic reaction.

- Precautionary statements

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P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

**2.3 Other hazards**

- Results of PBT and vPvB assessment
  - PBT:  
Not applicable.
  - vPvB:  
Not applicable.
- \* • Determination of endocrine-disrupting properties
- \* • None of the ingredients is listed.

**SECTION 03: Composition/information on ingredients**

- \* • 3.2 Mixtures
  - Description:  
Mixture
  - Dangerous components:
- | CAS Number      |   | %                  |
|-----------------|---|--------------------|
| <b>65-85-0</b>  | <b>Benzoic acid</b><br>EC number: 200-618-2<br>☠ Eye Dam. 1 - H318; ☠ STOT RE 1 -<br>H372; ⚠ Skin Irrit. 2 - H315   | <b>5,001-10,00</b> |
| <b>120-51-4</b> | <b>BENZYL BENZOATE</b><br>EC number: 204-402-9<br>⚠ Acute Tox. 4 - H302; ⚠ Aquatic<br>Acute 1 - H400 (M=1), Aquatic Chronic 2 -<br>H411   | <b>0,101-1,000</b> |
| <b>97-54-1</b>  | <b>ISOEUGENOL</b><br>EC number: 202-590-7<br>⚠ Acute Tox. 4 - H302, Acute Tox. 4 -<br>H312, Acute Tox. 4 - H332, Skin Irrit. 2 -<br>H315, Eye Irrit. 2 - H319, Skin Sens. 1A -<br>H317;<br>Skin Sens. 1A; H317: C >= 0,01 % | <b>0,010-0,100</b> |
- Additional information:  
For the wording of the listed risk phrases refer to section 16.

**SECTION 04: First aid measures**

**4.1 Description of first aid measures**

- General information:  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.  
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.

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- 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:  
CO<sub>2</sub>, 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:  
Mount respiratory protective device.  
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**

Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation  
Keep away from ignition sources.

**6.2 Environmental precautions:**

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

**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.

**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.  
Prevent formation of aerosols.  
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:

\*

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- \* 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:  
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 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.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.  
Do not inhale gases / fumes / aerosols.  
Do not inhale dust / smoke / mist.  
Avoid contact with the skin.  
Avoid contact with the eyes.
- Respiratory protection:  
Use suitable respiratory protective device in case of insufficient ventilation.  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- 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/face protection  
Safety glasses
- \* • Safety glasses
- \* • Body protection:  
Impervious protective clothing
- \* • Boots

\* **SECTION 09: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

- \* **Physical state** Fluid
- Colour:** red-brown
- Odour:** balsamic
- Odour threshold:** Not determined.
- \* **Boiling point or initial boiling point and boiling range** Not determined.

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*	<b>Flammability</b>	Not determined.
*	<b>Lower and upper explosion limit</b>	
*	<b>Lower:</b>	Not determined.
*	<b>Upper:</b>	Not determined.
	<b>Flash point:</b>	> 100,0 °C NFT 60-103 CC
*	<b>Decomposition temperature:</b>	Not determined.
*	<b>pH</b>	Not determined.
*	<b>Viscosity:</b>	
*	<b>Kinematic viscosity</b>	Not determined.
*	<b>Dynamic:</b>	Not determined.
*	<b>Solubility</b>	
	<b>water:</b>	Not determined.
*	<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
	<b>Vapour pressure:</b>	Not determined.
*	<b>Density and/or relative density</b>	
	<b>Density:</b>	Not determined.
*	<b>Relative density</b>	1,1020 1,1220 D20/20
*	<b>Vapour density</b>	Not determined.
	<b>9.2 Other information</b>	No further relevant information available.
	<b>Appearance:</b>	
	<b>Form:</b>	viscous
*	<b>Important information on protection of health and environment, and on safety.</b>	
	<b>Auto-ignition temperature:</b>	Not determined.
	<b>Explosive properties:</b>	Not determined.
*	<b>Solvent content:</b>	
*	<b>Solids content:</b>	0,00 %
	<b>Change in condition</b>	
*	<b>Evaporation rate</b>	Not determined.
*	<b>Information with regard to physical hazard classes</b>	
*	<b>Explosives</b>	not applicable
*	<b>Flammable gases</b>	not applicable
*	<b>Aerosols</b>	not applicable
*	<b>Oxidising gases</b>	not applicable
*	<b>Gases under pressure</b>	not applicable
*	<b>Flammable liquids</b>	not applicable
*	<b>Flammable solids</b>	not applicable
*	<b>Self-reactive substances and mixtures</b>	not applicable
*	<b>Pyrophoric liquids</b>	not applicable
*	<b>Pyrophoric solids</b>	not applicable
*	<b>Self-heating substances and mixtures</b>	not applicable
*	<b>Substances and mixtures, which emit flammable gases in contact with water</b>	not applicable
*	<b>Oxidising liquids</b>	not applicable
*	<b>Oxidising solids</b>	not applicable
*	<b>Organic peroxides</b>	not applicable
*	<b>Corrosive to metals</b>	not applicable
*	<b>Desensitised explosives</b>	not applicable

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**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

**65-85-0 Benzoic acid**

Oral, LD50: 2565 mg/kg (rat) (OECD SIDS 2001)  
Dermal, LD50: >2000 mg/kg (Rabbit) (Opdyke 1973)  
Inhalative, LC50/4h: >4,178 mg/l (rat) (Bayer AG 1990)

**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)

**97-54-1 ISOEUGENOL**

Oral, LD50: 1560 mg/kg (rat)

- Primary irritant effect:
- Skin corrosion/irritation

**65-85-0 Benzoic acid**

Irritation of skin, OECD 404 DRAIZE: NOT CLASSIFIED (guinea Pig) (OCDE SIDS 2001)  
Irritant to skin and mucous membranes.

Causes skin irritation.

- Serious eye damage/irritation
- Strong irritant with the danger of severe eye injury.

Causes serious eye damage.

- Respiratory or skin sensitisation

**120-51-4 BENZYL BENZOATE**

Sensitisation, NESIL: 59000 ug/cm2 (human being) (Standard IFRA)

- Germ cell mutagenicity

**65-85-0 Benzoic acid**

OECD 471 AMES: NEGATIVE (in vitro) (OCDE SIDS 2001)

**120-51-4 BENZYL BENZOATE**

OECD 471 AMES: NEGATIVE (in vitro) (Schunk and al., 1986)

- Carcinogenicity

**65-85-0 Benzoic acid**

Micronoyau: NEGATIVE (mouse) (Hayashi and al., 1988)

- Reproductive toxicity
- Not determined.

- STOT-single exposure
- Not determined.

- STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

- Aspiration hazard
- Not determined.

- Subacute to chronic toxicity:

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**65-85-0 Benzoic acid**

Oral, NOAEL: >750 mg/kg (rat) (4 generation study, Kieckebush and Lang 1960)

• **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful  
Corrosive  
Irritant  
Carcinogenic if inhaled.

- \* • **11.2 Information on other hazards**
- \* • **Endocrine disrupting properties**
- \* None of the ingredients is listed.

## SECTION 12: Ecological information

### 12.1 Toxicity

• **Aquatic toxicity:**

65-85-0 Benzoic acid

CE50/48h: >100 mg/l (daphnia) (pH 8,4 ; OECD SIDS 2001)

ErC50(0-72h): >1630 mg/l (algae) (pH 7 ; Bringmann and al., 1977)

96h-LC50: 47,3 mg/l (fish) (Buzzel and al., 1968)

### 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.

### 12.7 Other adverse effects

No further relevant information available.

- **Ecotoxic 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** Not classified
- \* . **IMDG** Not classified
- \* . **IATA** Not classified

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- 14.2 UN proper shipping name
  - \* . **ADR** Not classified
  - \* . **IMDG** Not classified
  - \* . **IATA** Not classified
- 14.3 Transport hazard class(es)
  - \* . **ADR**
  - \* . **Class** Not classified
  - \* . **IMDG**
  - \* . **Class** Not classified
  - \* . **IATA**
  - \* . **Class** Not classified
- 14.4 Packing group
  - \* . **ADR** Not classified
  - \* . **IMDG** Not classified
  - \* . **IATA** Not classified
- 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.

**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  
None of the ingredients is listed.
  - \* • REGULATION (EU) 2019/1148
  - \* • Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))  
None of the ingredients is listed.
  - \* • Annex II - REPORTABLE EXPLOSIVES PRECURSORS  
None of the ingredients is listed.
  - \* • Regulation (EC) No 273/2004 on drug precursors  
None of the ingredients is listed.
  - \* • Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors  
None of the ingredients is 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

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	H302	Harmful if swallowed.
	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.
*	H332	Harmful if inhaled.
*	H372	Causes damage to organs through prolonged or repeated exposure.
*	H400	Very toxic to aquatic life.
*	H411	Toxic 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.

- **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  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

- **Sources**

IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information

- **\* Data compared to the previous version altered.**