

CHEMICAL SAFETY DATA SHEET  
according to 1907/2006/EC Article 31, as amended by N°  
453/2010

1629508

Reviewed on: 22/10/19  
Printing date: 22/10/2019

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

#### 1.1 Product identifier

- Trade name:  
BENZOIN SIAM ORGANIC RESINOID
- Article number:  
N0391
- CAS Number:  
9000-72-0
- EC Number:  
946-573-9
- No CAS EINECS:  
-
- Registration number  
01-2120749651-51-0001

#### 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.



GHS08

STOT RE 1 - H372 Causes damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation.



GHS07

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

#### 2.2 Label elements

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



GHS05

GHS08

GHS07

- Signal word  
Danger

- Hazard statements

H318 Causes serious eye damage.  
H372 Causes damage to the respiratory system through prolonged or

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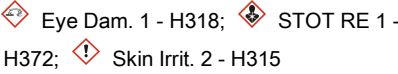
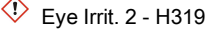
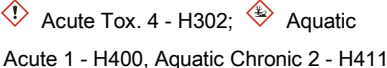
- repeated exposure. Route of exposure: Inhalation.  
H317 May cause an allergic skin reaction.  
H315 Causes skin irritation.  
EUH208 Contains  $\$$ . May produce an allergic reaction.
- Precautionary statements  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
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.

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

3.1 Chemical characterization: Substances

- | CAS No.   | Description                          |
|-----------|--------------------------------------|
| 9000-72-0 | Styrax tonkinensis Craib ex Hartwich |
| •         | Identification number(s)             |
| •         | EC number:<br>946-573-9              |

- Dangerous components:

CAS Number		%
<b>65-85-0</b>	<b>Benzoic acid</b> EC number: 200-618-2 	<b>10,001-20,00</b>
<b>121-33-5</b>	<b>vanillin</b> EC number: 204-465-2 	<b>1,001- 5,00</b>
* <b>120-51-4</b>	<b>Benzyl benzoate</b> EC number: 204-402-9 	<b>0,101-1,00</b>

**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.  
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.
- Information for doctor:

4.2 Most important symptoms and effects, both acute and delayed  
No further relevant information available.

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4.3 Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

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### 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:  
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:

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.

#### 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

#### • 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 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.
- 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.

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### SECTION 08: Exposure controls/personal protection

#### 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:  
Not required.

CAS No.	Designation of material	%	Type	Value	Unit
Not required.					

- Additional information:

The lists valid during the making were used as basis.

#### 8.2 Exposure controls

- 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.  
Avoid contact with the skin.  
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 protection: Safety glasses

### SECTION 09: Physical and chemical properties

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

##### General Information

##### Appearance:

<b>Form:</b>	solid
<b>Colour:</b>	beige, amber-brown
<b>Odour:</b>	balsamic
<b>Odour threshold:</b>	Not determined.
<b>Change in condition</b>	
<b>Melting point/freezing point:</b>	50,90 - 56,10 °C
<b>Initial boiling point and boiling range:</b>	Not determined.
<b>Flash point:</b>	> 100,0 °C NFT 60-103 CC
<b>Flammability (solid, gas):</b>	Not determined.
<b>Auto-ignition temperature:</b>	Not determined.
<b>Explosive properties:</b>	Not determined.
<b>Vapour pressure:</b>	at 20,00 °C 8,2200 mbar
<b>Density:</b>	Not determined.
<b>Relative density :</b>	1,2221 g/cm 20°C
<b>Solubility in / Miscibility with</b>	
<b>water:</b>	Not determined.
<b>Partition coefficient: n-octanol/water:</b>	Not determined.

#### 9.2 Other information

No further relevant information available.

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No further relevant information available.

#### 10.2 Chemical stability

Thermal decomposition / conditions to be avoided:  
Not determined.

#### 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 toxicological effects

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

ISO LD/LC

**9000-72-0 Styrax tonkinensis Craib ex Hartwich**

Oral, LD50: 5000 mg/kg (rat) (1988 OECD 401)

**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)

**121-33-5 vanillin**

Oral, LD50: 1580 mg/kg (rat) (Inouye, and al., 1988)  
Oral, LD50: 1000 mg/kg (mouse) (Taylor, and al., 1964)

**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)

- 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.

- Serious eye damage/irritation  
Strong irritant with the danger of severe eye injury.
- Respiratory or skin sensitisation

**120-51-4 Benzyl benzoate**

Sensitisation, NESIL: 59000 ug/cm<sup>2</sup> (human being) (Standard IFRA)  
Sensitization possible through skin contact.

- Subacute to chronic toxicity:

**65-85-0 Benzoic acid**

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

**121-33-5 vanillin**

Oral, NOAEL: 1000 mg/kg (rat) (12 months Hagan and al., 1967)

- Germ cell mutagenicity

**65-85-0 Benzoic acid**

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

**121-33-5 vanillin**

\* OECD 471 AMES: NEGATIVE (in vitro) (Heck and al., 1989)

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- \* **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)
- 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.

## SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity:
- 9000-72-0 Styra<sup>x</sup> tonkinensis Craib ex Hartwich**  
CE50/48h: >100 mg/l (daphnia) (OECD 202)  
ErC50(0-72h): >100 mg/l (algae) (OECD 201)
- 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
- \* **9000-72-0 Styra<sup>x</sup> tonkinensis Craib ex Hartwich**
- \* OECD 301: 48 % (in vitro) (2018)
- \* Not easily biodegradable
- 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.
- Ecotoxicological effects:  
Not determined.
- 12.5 Results of PBT and vPvB assessment
- PBT:  
Not applicable.
  - vPvB:  
Not applicable.
- 12.6 Other adverse effects  
No further relevant information available.

## 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.

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### SECTION 14: Transport information

14.1 UN-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

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 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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

- 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
 

H302	Harmful if swallowed.
H315	Causes skin irritation.

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<b>PRODUCT :</b>	<b>BENZAIN SIAM ORGANIC RESINOID</b>
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H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H372	Causes damage to organs through prolonged or repeated exposure. the respiratory system Route of exposure: Inhalation.
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.