

1731307

Reviewed on: 02.04.2025
Printing date: 02.04.2025

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

1.1 Product identifier

- Trade name:
BENZOIN SUMATRA RES 50%/DPG
- Article number:
E0503
- * • UFI:
* 4V10-D086-500X-Q251

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. 1 - 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 BENZYL CINNAMATE, CINNAMYL ALCOHOL, CINNAMAL. May produce an allergic reaction.

- Precautionary statements

(continued on page 2)

1731307

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PRODUCT : BENZOIN SUMATRA RES 50%/DPG

(continued of page 1)

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		%
65-85-0	Benzoic acid EC number: 200-618-2 ☠ Eye Dam. 1 - H318; ☠ STOT RE 1 - H372; ⚠ Skin Irrit. 2 - H315	5,001-10,00
103-41-3	BENZYL CINNAMATE EC number: 203-109-3 ⚠ Skin Sens. 1B - H317; ⚠ Aquatic Chronic 2 - H411	0,101-1,000
104-54-1	CINNAMYL ALCOHOL EC number: 203-212-3 ⚠ Acute Tox. 4 - H302, Skin Sens. 1B - H317; ⚠ Aquatic Chronic 2 - H411 Oral: ATE = 2000 mg/kg	0,010-0,100
104-55-2	CINNAMAL EC number: 203-213-9 ⚠ Acute Tox. 4 - H312, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1A - H317; Aquatic Chronic 3 - H412	0,010-0,100

- * • 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:

(continued on page 3)

1731307

Reviewed on: 02.04.2025
Printing date: 02.04.2025

PRODUCT : BENZOIN SUMATRA RES 50%/DPG
(continued of page 2)

- 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:
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:

(continued on page 4)

1731307

Reviewed on: 02.04.2025
Printing date: 02.04.2025

PRODUCT : BENZOIN SUMATRA RES 50%/DPG

(continued of page 3)

- * 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:
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:** orange-brown
- * **Odour:** balsamic
- Odour threshold:** Not determined.

(continued on page 5)

1731307

Reviewed on: 02.04.2025
Printing date: 02.04.2025

PRODUCT : BENZOIN SUMATRA RES 50%/DPG

(continued of page 4)

*	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:	> 93,0 °C NFT 60-103 CC
*	Decomposition temperature:	Not determined.
*	pH	Not determined.
*	Viscosity:	
*	Kinematic viscosity	Not determined.
*	Dynamic:	Not determined.
*	Solubility	
	water:	Not determined.
*	Partition coefficient n-octanol/water (log value)	Not determined.
	Vapour pressure:	Not determined.
*	Density and/or relative density	
	Density:	Not determined.
*	Relative density	1,1050 1,1250 (D20/20)
*	Vapour density	Not determined.
	9.2 Other information	No further relevant information available.
	Appearance:	
	Form:	viscous
*	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 determined.
*	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
*	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

EU

(continued on page 6)

1731307

Reviewed on: 02.04.2025
Printing date: 02.04.2025

PRODUCT : BENZOIN SUMATRA RES 50%/DPG

(continued of page 5)

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)

103-41-3

BENZYL CINNAMATE

Oral, LD50: 3280 mg/kg (rat) (Wolven 1972)

104-54-1

CINNAMYL ALCOHOL

Oral, LD50: 2000 mg/kg (rat)

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

104-55-2

CINNAMAL

Oral, LD50: 2220 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

104-55-2

CINNAMAL

Dermal, OECD 429 LLNA: SENSITIZER (mouse) (EC3 1,1%, RIFM 2004)

Sensitization possible through skin contact.

- Germ cell mutagenicity

65-85-0

Benzoic acid

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

103-41-3

BENZYL CINNAMATE

OECD 471 AMES: NEGATIVE (in vitro) (Florin 1980)

104-55-2

CINNAMAL

OECD 471 AMES: NEGATIVE (in vitro) (NTP 2004)

- Carcinogenicity

65-85-0

Benzoic acid

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

104-55-2

CINNAMAL

Micronoyau: NEGATIVE (mouse) (NTP 2004)

- Reproductive toxicity

Not determined.

- STOT-single exposure

(continued on page 7)

1731307

Reviewed on: 02.04.2025
Printing date: 02.04.2025

PRODUCT : BENZOIN SUMATRA RES 50%/DPG

(continued of page 6)

- * Not determined.
- * • STOT-repeated exposure
May cause damage to organs through prolonged or repeated exposure.
- * • Aspiration hazard
Not determined.
- * • Subacute to chronic toxicity:
- 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)
 - * 104-55-2 **CINNAMAL**
ErC50(0-48h): 3,86 mg/l (daphnia) (RIFM 2003)
 - * 96h-LC50: 4,15 mg/l (fish) (RIFM 1993)
- 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.
- Ecotoxicological 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.

EU

(continued on page 8)

1731307

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PRODUCT : BENZOIN SUMATRA RES 50%/DPG

(continued of page 7)

SECTION 14: Transport information

- * 14.1 UN number or ID number
- * . **ADR** Not classified
- * . **IMDG** Not classified
- * . **IATA** Not classified
- 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:
- * • Technical instructions (air):
- * • Class Share in %
- * I 0,05
- 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.

EU

(continued on page 9)

1731307

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Printing date: 02.04.2025

PRODUCT : BENZOIN SUMATRA RES 50%/DPG

(continued of page 8)

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. |
| | 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. |
| | H372 | Causes damage to organs through prolonged or repeated exposure. |
| | 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.

- 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.