

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

1731306

 Reviewed on: 28/11/19
Printing date: 28/11/2019

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

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

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H373 May cause damage to organs through prolonged or repeated exposure.

H315 Causes skin irritation.

- * EUH208 Contains Benzyl cinnamate, Cinnamyl alcohol, cinnamaldehyde.

- * May produce an allergic reaction.

- Precautionary statements

(continued on page 2)

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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.

SECTION 03: Composition/information on ingredients

3.2 Chemical characterization: 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
* 64-17-5	ethyl alcohol EC number: 200-578-6 ☠ Flam. Liq. 2 - H225; ⚠ Eye Irrit. 2 - H319	0,101-1,00
* 103-41-3	Benzyl cinnamate ⚠ Skin Sens. 1B - H317; ☠ Aquatic Chronic 2 - H411	0,101-1,00
* 104-54-1	Cinnamyl alcohol EC number: 203-212-3 ⚠ Skin Sens. 1B - H317	0,01-0,100
* 104-55-2	cinnamaldehyde EC number: 203-213-9 ⚠ Acute Tox. 4 - H312, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1A - H317	0,01-0,100

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.

(continued on page 3)

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PRODUCT : BENZOIN SUMATRA RES 50%/DPG

(continued of page 2)

- 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:

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.

(continued on page 4)

CHEMICAL SAFETY DATA SHEET

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453/2010

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Printing date: 28/11/2019

PRODUCT : BENZOIN SUMATRA RES 50%/DPG

(continued of page 3)

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.

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 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.
 - * 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. 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

SECTION 09: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	viscous
Colour:	orange to brown-orange
Odour:	balsamic
Odour threshold:	Not determined.

Change in condition

Initial boiling point and boiling range:	Not determined.
* Flash point:	> 93,0 °C NFT 60-103 CC
Flammability (solid, gas):	Not determined.
Auto-ignition temperature:	Not determined.
Explosive properties:	Not determined.
Vapour pressure:	Not determined.
Density:	Not determined.
Relative density :	1,1000 1,1200 (D20/20)

Solubility in / Miscibility with

(continued on page 5)

CHEMICAL SAFETY DATA SHEET
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1731306

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Printing date: 28/11/2019

PRODUCT : BENZOIN SUMATRA RES 50%/DPG

(continued of page 4)

water:	Not determined.
Partition coefficient: n-octanol/water:	Not determined.
9.2 Other information	No further relevant information available.

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

	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)	
*	64-17-5	ethanol	
*		Oral, LD50: >5000 mg/kg (rat) (INSR sheet n°48, 2011)	
*	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	cinnamaldehyde	
*		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.	
		• Serious eye damage/irritation	
*	64-17-5	ethanol	
*		Irritation of eyes, OECD 405 DRAIZE: IRRITANT (Rabbit) (INSR sheet n°48, 2011)	
*		Strong irritant with the danger of severe eye injury.	
		• Respiratory or skin sensitisation	
*	64-17-5	ethanol	
*		Dermal, OECD 429 LLNA: NON SENSITIZER (mouse) (INSR sheet n°48, 2011)	
*	104-55-2	cinnamaldehyde	
*		Dermal, OECD 429 LLNA: SENSITIZER (mouse) (EC3 1,1%, RIFM 2004)	

(continued on page 6)

CHEMICAL SAFETY DATA SHEET

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453/2010

1731306

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PRODUCT : BENZOIN SUMATRA RES 50%/DPG
(continued of page 5)

- 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)
 - * **64-17-5 ethanol**
 - * Oral, NOAEL: 620 mg/kg (mouse) (INSR sheet n°48, 2011)
 - * • 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
 - * • Germ cell mutagenicity
 - * **65-85-0 Benzoic acid**
 - * OECD 471 AMES: NEGATIVE (in vitro) (OCDE SIDS 2001)
 - * **64-17-5 ethanol**
 - * OECD 471 AMES: POSITIVE (in vitro) (INSR sheet n°48, 2011)
 - * **103-41-3 Benzyl cinnamate**
 - * OECD 471 AMES: NEGATIVE (in vitro) (Florin 1980)
 - * **104-55-2 cinnamaldehyde**
 - * OECD 471 AMES: NEGATIVE (in vitro) (NTP 2004)
 - * • Carcinogenicity
 - * **65-85-0 Benzoic acid**
 - * Micronoyau: NEGATIVE (mouse) (Hayashi and al., 1988)
 - * **64-17-5 ethanol**
 - * Micronoyau: POSITIVE (mouse) (INSR sheet n°48, 2011)
 - * **104-55-2 cinnamaldehyde**
 - * Micronoyau: NEGATIVE (mouse) (NTP 2004)
 - * • 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:
 - * **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)
 - * **64-17-5 ethanol**
 - * LD50: 11200 mg/l (fish)
 - * **104-55-2 cinnamaldehyde**
 - * 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.
 - * • Ecotoxicological effects:
 - * Not determined.

(continued on page 7)

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(continued of page 6)

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.

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.

EU

(continued on page 8)

CHEMICAL SAFETY DATA SHEET
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453/2010

1731306

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PRODUCT : BENZOIN SUMATRA RES 50%/DPG

(continued of page 7)

* **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

H225	Highly flammable liquid and vapour.
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.

- 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.