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CHEMICAL SAFETY DATA SHEET

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

1633905

Reviewed on: 19.12.2022 Printing date: 19.12.2022

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

- 1.1 Product identifier
- Trade name:

BENZOIN SIAM ORGAN RES 55%/ETH

Article number:

N0395

UFI:

0NE0-Q0TK-400Q-ATYV

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

Perfume ingredient 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



GHS05

Eye Dam. 1 - H318 Causes serious eye damage.



GHS02

Flam. Liq. 3 - H226 Flammable liquid and vapour.



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 the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

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









GHS05 GHS02

Signal word

GHS07 GHS08

Danger

• Hazard-determining components of labelling: Benzoic acid

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- Hazard statements
- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation. EUH208 Contains isoeugenol. May produce an allergic reaction.
- - Precautionary statements
 - P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 - P233 Keep container tightly closed.
 - P240 Ground and bond container and receiving equipment.
 - P302+P352 IF ON SKIN: Wash with plenty of water.
 - P403+P235 Store in a well-ventilated place. Keep cool.
 - 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:

	• Dangerous Co	imponents:	
	CAS Number		%
*	64-17-5	ethyl alcohol	20,001-50,00
		EC number: 200-578-6	
		🏵 Flam. Liq. 2 - H225; 🔱 Eye Irrit.	
		2 - H319	
*	65-85-0	Benzoic acid	5,001-10,00
		EC number: 200-618-2	
		H372; 🕚 Skin Irrit. 2 - H315	
*	121-33-5	vanillin	1,001- 5,00
*		EC number: 204-465-2	
*		♦ Eye Irrit. 2 - H319	
*	120-51-4	Benzyl benzoate	0,101-1,00
*		EC number: 204-402-9	
*		🗘 Acute Tox. 4 - H302; 🄄 Aquatic	
*		Acute 1 - H400, Aquatic Chronic 2 - H411	
*	97-54-1	isoeugenol	0,01-0,100
*		EC number: 202-590-7	
*		💠 Acute Tox. 4 - H302, Acute Tox. 4 -	
*		H312, Skin Irrit. 2 - H315, Eye Irrit. 2 -	
*		H319, Skin Sens. 1A - H317;	

Skin Sens. 1A; H317: C >= 0,01 %

For the wording of the listed risk phrases refer to section 16.

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· Additional information:



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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.
 - 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.
- * 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.

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BIOLANDES

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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

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:

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.
 - Avoid contact with the skin. Avoid contact with the eyes.
- Respiratory protection:
- 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.
 - 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/face protection

Safety glasses





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SECTION 09: Physical and chemical	nronerties	(continued of pag
9.1 Information on basic physical and chem	nical properties	
General Information Physical state	Fluid	
*		
Colour:	red-brown	
Odour three holds	balsamic	
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:	25,0 °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	Not determined.	
value)	. 131 dolorimiod.	
Vapour pressure:	at 20,00 °C 0,0014 mbar	
Density and/or relative density	·	
Density:	Not determined.	
Relative density	0,9950 D20/20	
Vapour density	Not determined.	
9.2 Other information	No further relevant information available.	
Appearance:		
Form:	fluid	
Important information on protection of heal		
Auto-ignition temperature:	Not determined.	
Explosive properties:	Not determined.	
Solvent content:	NOT ACTAINING.	
	0.00.9/	
Solids content:	0,00 %	
Change in condition		
Evaporation rate	Not determined.	
Information with regard to physical hazard		
Explosives	not applicable	
Flammable gases	not applicable	<u> </u>
Aerosols	not applicable	
Oxidising gases	not applicable	
Gases under pressure	not applicable	
Flammable liquids	Flammable liquid and vapour.	
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	not applicable	
flammable gases in contact with water	погаррисаріе	

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		(continued of page 5)		
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

ethanol Oral, LD50: 7060 mg/kg (rat) Inhalative, LC50/4h: 20000 mg/l (rat)

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)
- 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)
- - 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
- Benzyl benzoate
 - Sensitisation, NESIL: 59000 ug/cm2 (human being) (Standard IFRA) Sensitization possible through skin contact.
 - · Germ cell mutagenicity
- 65-85-0 Benzoic acid

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

OECD 471 AMES: NEGATIVE (III VILIO) (OCDE 5105 2001)

* 121-33-5 vanillin

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

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

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)

121-33-5 vanillin

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

• 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.

12.6 Other adverse effects

No further relevant information available.

• Ecotoxical effects:

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Not determined.

- · Additional ecological information:
- General notes:

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

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
 UN1993

 IMDG
 UN1993

 IATA
 UN1993

14.2 UN proper shipping name

ADR 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))

IMDG FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))

IATA FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))

14.3 Transport hazard class(es)

ADR

Class 3 (F1) Flammable liquids.

Label



IMDG

Class 3 Flammable liquids.

Label



IATA

Class 3 Flammable liquids.

Label



14.4 Packing group

ADR III
IMDG III

14.5 Environmental hazards:

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Not applicable.

14.6 Special precautions for user Warning: Flammable liquids.

Danger code (Kemler): 30

EMS Number: F-E,S-E

14.7 Maritime transport in bulk according to IMO instruments Not applicable.

Transport/Additional information:

Not applicable.

ADR

Excepted quantities (EQ): E1
Limited quantities (LQ) 5L
Transport category 3
Tunnel restriction code D/E

IMDG

Limited quantities (LQ) 5L Excepted quantities (EQ) E1

• UN "Model Regulation":

UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)), 3, III

* 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
- 108-88-3 toluene: 3
 - Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
- 108-88-3 toluene: 3
 - National regulations:
 - Technical instructions (air):
 - Class Share in %
 - II
 - Waterhazard class:
- Water hazard class 2 (Self-assessment): 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.

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· Relevant phrases

H225 Highly flammable liquid and vapour. 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.

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 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) 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.