

1697104

Reviewed on: 14.05.2024
Printing date: 14.05.2024

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

1.1 Product identifier

- Trade name:
ELEMI RESINOID 70%/BB
- Article number:
P81168087000

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 B  lis 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



GHS07

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



GHS09

- * Aquatic Acute 1 - H400 Very toxic to aquatic life.
- * Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.
- *

2.2 Label elements

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



GHS07 GHS09

- Signal word
Warning

- * • Hazard-determining components of labelling:
- * (R)-p-mentha-1,8-diene / TERPINOLENE
- Hazard statements
- * H315 Causes skin irritation.
- * H317 May cause an allergic skin reaction.
- * H400 Very toxic to aquatic life.
- * H411 Toxic to aquatic life with long lasting effects.
- Precautionary statements
- * 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.
- * P273 Avoid release to the environment.
- 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

(continued on page 2)

1697104

Reviewed on: 14.05.2024
Printing date: 14.05.2024

PRODUCT : ELEMI RESINOID 70%/BB

(continued of page 1)

- 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		%
* 120-51-4	BENZYL BENZOATE EC number: 204-402-9 ⚠ Acute Tox. 4 - H302; ⚠ Aquatic Acute 1 - H400 (M=1), Aquatic Chronic 2 - H411 Oral: ATE = 1700 mg/kg	20,001-50,00
* 5989-27-5	d-limonene EC number: 227-813-5 ⚠ Asp. Tox. 1 - H304; ⚠ Flam. Liq. 3 - H226; ⚠ Skin Irrit. 2 - H315, Skin Sens. 1B - H317; ⚠ Aquatic Acute 1 - H400 (M=1); Aquatic Chronic 3 - H412	10,001-20,00
* 99-83-2	Alpha phellandrene EC number: 202-792-5 ⚠ Asp. Tox. 1 - H304; ⚠ Flam. Liq. 3 - H226	1,001- 5,000
* 586-62-9	TERPINOLENE EC number: 209-578-0 ⚠ Asp. Tox. 1 - H304; ⚠ Skin Sens. 1B - H317; ⚠ Aquatic Acute 1 - H400 (M=1), Aquatic Chronic 1 - H410 (M=1)	0,101-1,000
* 93-15-2	METHYL EUGENOL EC number: 202-223-0 ⚠ Acute Tox. 4 - H302; ⚠ Muta. 2 - H341, Carc. 2 - H351	0,101-1,000

- * • 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:
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)

1697104

Reviewed on: 14.05.2024
Printing date: 14.05.2024

PRODUCT : ELEMI RESINOID 70%/BB
(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:
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.
Inform respective authorities in case of seepage into water course or sewage system.

- * 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.
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.
Prevent any seepage into the ground.

(continued on page 4)

1697104

Reviewed on: 14.05.2024
Printing date: 14.05.2024

PRODUCT : ELEMI RESINOID 70%/BB

(continued of page 3)

- * 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.
- * Do not inhale gases / fumes / aerosols.
- * Do not inhale dust / smoke / mist.
- * Avoid contact with the skin.
- * 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
- * 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	Solid
Colour:	yellow to rosy-beige
Odour:	terpenic
Odour threshold:	Not determined.
* Boiling point or initial boiling point and boiling range	Not determined.
* Flammability	Not determined.

(continued on page 5)

1697104

Reviewed on: 14.05.2024
Printing date: 14.05.2024

PRODUCT : ELEMI RESINOID 70%/BB

(continued of page 4)

*	Lower and upper explosion limit	
*	Lower:	Not determined.
*	Upper:	Not determined.
*	Flash point:	> 100,0 °C NFT 60-103 CC
*	Decomposition temperature:	Not determined.
*	pH	Not applicable.
*	Viscosity:	
*	Kinematic viscosity	Not applicable.
*	Dynamic:	Not applicable.
*	Solubility	
	water:	Not determined.
*	Partition coefficient n-octanol/water (log value)	Not determined.
	Vapour pressure:	Not applicable.
*	Density and/or relative density	
	Density:	Not determined.
*	Relative density	not available
*	Vapour density	Not applicable.
	9.2 Other information	No further relevant information available.
	Appearance:	
	Form:	pasty
*	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 applicable.
*	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)

1697104

Reviewed on: 14.05.2024
Printing date: 14.05.2024

PRODUCT : ELEMI RESINOID 70%/BB

(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

* **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)

* **5989-27-5 (R)-p-mentha-1,8-diene**

Oral, LD50: 4400 mg/kg (rat)

* **99-83-2 Alpha phellandrene**

* Oral, LD50: > 5700 mg/kg (rat) (Moreno 1972)

* **93-15-2 METHYL EUGENOL**

* Oral, LD50: 810 mg/kg (rat) (Beroza and al., 1975)

- Primary irritant effect:
- Skin corrosion/irritation
- Irritant to skin and mucous membranes.
- Causes skin irritation.
- Serious eye damage/irritation
- No irritating effect.
- Respiratory or skin sensitisation

* **120-51-4 BENZYL BENZOATE**

Sensitisation, NESIL: 59000 ug/cm² (human being) (Standard IFRA)
Sensitization possible through skin contact.

- Germ cell mutagenicity

* **120-51-4 BENZYL BENZOATE**

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

- Carcinogenicity
- Not determined.
- Reproductive toxicity
- Not determined.
- STOT-single exposure
- Not determined.
- STOT-repeated exposure
- Not determined.
- Aspiration hazard
- Not determined.
- Subacute to chronic toxicity:
- Not determined.
- 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:
- Irritant
- Carcinogenic if inhaled.
- 11.2 Information on other hazards

(continued on page 7)

1697104

Reviewed on: 14.05.2024
Printing date: 14.05.2024

PRODUCT : ELEMI RESINOID 70%/BB

(continued of page 6)

- * • Endocrine disrupting properties
- * None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

- Aquatic toxicity:

5989-27-5 (R)-p-mentha-1,8-diene

LD50: 0,71 mg/l (fish) (OECD 203)

- * **93-15-2 METHYL EUGENOL**

CE50/48h: 38 mg/l (daphnia) (Ministry of the Environment of Japan 2018)

ErC50(0-72h): 22 mg/l (algae) (Ministry of the Environment of Japan 2018)

96h-LC50: 14 mg/l (fish) (Ministry of the Environment of Japan 2018)

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.

- Ecotoxicological effects:
Not determined.

- * • Remark:

- * Very toxic for fish
- * Toxic for fish

- Additional ecological information:

- General notes:

Very toxic for aquatic organisms

Toxic for aquatic organisms

- * Danger to drinking water if even extremely small quantities leak into the ground.

The product contains materials that are harmful to the environment.

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)

1697104

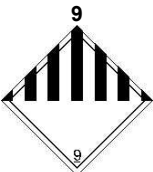
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PRODUCT : ELEMI RESINOID 70%/BB

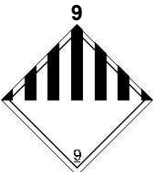
(continued of page 7)


SECTION 14: Transport information

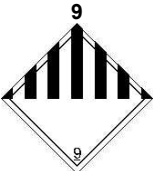
- * 14.1 UN number or ID number
 - . **ADR** UN3077
 - . **IMDG** UN3077
 - . **IATA** UN3077
- * 14.2 UN proper shipping name
 - . **ADR** 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 - * . **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 - * . **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
- 14.3 Transport hazard class(es)
 - . **ADR**
 - . **Class** 9 (M7) Miscellaneous dangerous substances and articles.
 - . **Label**





 - . **IMDG**
 - . **Class** 9 Miscellaneous dangerous substances and articles.
 - . **Label**




 - . **IATA**
 - . **Class** 9 Miscellaneous dangerous substances and articles.
 - . **Label**




- 14.4 Packing group
 - . **ADR** III
 - . **IMDG** III
 - . **IATA** III
- 14.5 Environmental hazards:
 - . **Marine pollutant:** Yes
- 14.6 Special precautions for user

Warning: Miscellaneous dangerous substances and articles.

 - . **Danger code (Kemler):** 90
 - . **EMS Number:** F-A,S-F
- * 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.
- * • Transport/Additional information:
 - * . **ADR**
 - . **Excepted quantities (EQ):** E1
 - . **Limited quantities (LQ)** 5 kg
 - . **Transport category** 3
 - . **IMDG**

(continued on page 9)

1697104

Reviewed on: 14.05.2024
Printing date: 14.05.2024

PRODUCT : ELEMI RESINOID 70%/BB

(continued of page 8)

- . **Limited quantities (LQ)** 5 kg
- . **Excepted quantities (EQ)** E1
- * • UN "Model Regulation":
- * UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, 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
 - * 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
- * • Waterhazard class:
- * Water hazard class 3 (Self-assessment): extremely 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
 - H226 Flammable liquid and vapour.
 - H302 Harmful if swallowed.
 - H304 May be fatal if swallowed and enters airways.
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H341 Suspected of causing genetic defects.
 - H351 Suspected of causing cancer.
 - H400 Very toxic to aquatic life.
 - * H410 Very toxic to aquatic life with long lasting effects.
 - * 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

(continued on page 10)

CHEMICAL SAFETY DATA SHEET
according to 2020/878/EC (1907/2006/EC Article 31)

1697104

Reviewed on: 14.05.2024
Printing date: 14.05.2024

PRODUCT : ELEMI RESINOID 70%/BB*(continued of page 9)*

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.