

Letter of Correspondence

1. **Manufacturer: Science4you, S.A**

MARL, São Julião do Tojal, Lugar do Quintanilho
Plataforma do Rouco CC02 e CC03, 2660-421 Loures, Portugal

2. This letter of correspondence is issued under the sole responsibility of the manufacturer:
Science4you, S.A

3. **Product:** 671570 Duft-Labor
EAN: 4002051671570

4. The manufacturer confirms that the contents of the table below, included in the product described in point 3, are the same as those included in the SDS:

Name of the substance described in the toy	SDS name of the substance
Sand	SILICA SAND 3-5 MM
Parfümrohstoff Pfirsich	BASE PERFUMADA VELVERT PEACH
Parfümrohstoff Frisch	BASE PERFUMADA FRESH MORNING
Kosmetikfarbe blau	Corante Azul 05/15
Gips (Calciumsulfat)	GESSO ESTUQUE

Signed for and on behalf of:

Science4you, S.A.

NIF 508 457 467
MARL, São Julião do Tojal, Lugar do
Quintanilho, 2660-421 Loures.....
Espaços CC02 e CC03

Miguel Pina Martins, CEO
Lisbon, 24st May 2024

SILICA SAND 3-5 MM

NATURAL PRODUCT USED FOR WATER FILTRATION WITH LOW OR MEDIUM CONTENT OF SUSPENDED SOLIDS.

CHARACTERISTICS:

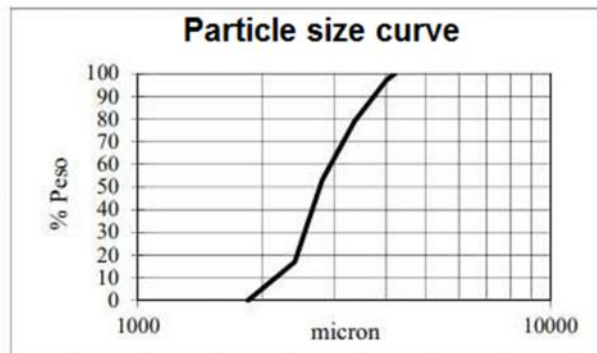
PHYSICAL CHARACTERISTICS		CHEMICAL CHARACTERISTICS	
Red loss	0,25%	Silica	99,00 ± 1%
Bulk density	1,54 g/cm ³	Alumina	0,17 ± 0,05%
Specific Gravity	2,61 g/cm ³	Iron oxide	0,06 ± 0,01%
Hardness	6 mohs	Potassium oxide	0,02 ± 0,005%
pH range	7	Sodium oxide	0,06 ± 0,01%
Effective size	2,20	Calcium oxide	0,01 ± 0,005%
Uniform coefficient	1,32	Magnesium oxide	0,01 ± 0,005%

Dry sifting method, according to standard NP EN 12902 2002

This product complies with the standard EN 12904, type I

Natural product entirely free of oil or any other organic material.

MICRON	% Weight
4000	3,0 ± 3%
3350	18,0 ± 5%
2800	26,0 ± 10%
2400	36,0 ± 10%
2000	12,0 ± 5%
< 2000	5,0 ± 2%



Available in 25 Liters bag.

**BASE PERFUMADA VELVERT PEACH****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** BASE PERFUMADA VELVERT PEACH
- Other means of identification:**
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: Product fragrance mixture. For professional users only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
BIORAH UNIPessoal LDA
Edif. TECLABS, Campus FCUL
1749-016 Lisboa - Lisboa - Portugal
Phone: 217500587
info@bion3.org
http://www.biorah.com
- 1.4 Emergency telephone number:** Contactar o CIAV 800 250 250

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
CLP Regulation (EC) No 1272/2008:
The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.
- 2.2 Label elements:**
CLP Regulation (EC) No 1272/2008:
Hazard statements:
Not relevant
Precautionary statements:
Not relevant
Supplementary information:
EUH208: Contains CITRONELLOL, HEXYL CINNAMAL, LINALOOL. May produce an allergic reaction.
EUH210: Safety data sheet available on request.
- 2.3 Other hazards:**
Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**
Non-applicable
- 3.2 Mixture:**
Chemical description: Miscellaneous products
Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 78-70-6 EC: 201-134-4 Index: 603-235-00-2 REACH: 01-2119474016-42-XXXX	Linalool⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 101-86-0 EC: 202-983-3 Index: Non-applicable REACH: Non-applicable	Hexyl cinnam-aldehyde⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Skin Sens. 1B: H317 - Warning	

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

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**BASE PERFUMADA VELVERT PEACH****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)**

Identification	Chemical name/Classification		Concentration
CAS: 106-22-9 EC: 203-375-0 Index: Non-applicable REACH: 01-2119453995-23-XXXX	Citronellol⁽¹⁾	Self-classified	<1 %
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media:****Suitable extinguishing media:**

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

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**BASE PERFUMADA VELVERT PEACH****SECTION 5: FIREFIGHTING MEASURES (continued)**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:****A.- General precautions for safe use**

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:**A.- Technical measures for storage**

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters:**

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**BASE PERFUMADA VELVERT PEACH****SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Linalool CAS: 78-70-6 EC: 201-134-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	3,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	24,58 mg/m ³	Not relevant
Citronellol CAS: 106-22-9 EC: 203-375-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	327,4 mg/kg	Not relevant
	Inhalation	Not relevant	10 mg/m ³	161,6 mg/m ³	10 mg/m ³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Linalool CAS: 78-70-6 EC: 201-134-4	Oral	Not relevant	Not relevant	2,49 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1,25 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	4,33 mg/m ³	Not relevant
Citronellol CAS: 106-22-9 EC: 203-375-0	Oral	Not relevant	Not relevant	13,8 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	196,4 mg/kg	Not relevant
	Inhalation	Not relevant	10 mg/m ³	47,8 mg/m ³	10 mg/m ³

PNEC:

Identification					
Linalool CAS: 78-70-6 EC: 201-134-4	STP	10 mg/L	Fresh water	0,2 mg/L	
	Soil	0,327 mg/kg	Marine water	0,02 mg/L	
	Intermittent	2 mg/L	Sediment (Fresh water)	2,22 mg/kg	
	Oral	0,0078 g/kg	Sediment (Marine water)	0,222 mg/kg	
Citronellol CAS: 106-22-9 EC: 203-375-0	STP	580 mg/L	Fresh water	0,002 mg/L	
	Soil	0,004 mg/kg	Marine water	0 mg/L	
	Intermittent	0,024 mg/L	Sediment (Fresh water)	0,026 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0,003 mg/kg	

8.2 Exposure controls:**A.- Individual protection measures, such as personal protective equipment**

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Not relevant

D.- Eye and face protection

Not relevant

E.- Body protection

Not relevant

F.- Additional emergency measures

It is not necessary to take additional emergency measures.

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

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**BASE PERFUMADA VELVERT PEACH****SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)****Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	1,35 % weight
V.O.C. density at 20 °C:	13,94 kg/m ³ (13,94 g/L)
Average carbon number:	9,45
Average molecular weight:	149,49 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not available
Colour:	Not available
Odour:	Not available
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	156 - 365 °C
Vapour pressure at 20 °C:	7 Pa
Vapour pressure at 50 °C:	86,3 Pa (0,09 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1031,7 kg/m ³
Relative density at 20 °C:	1,032
Dynamic viscosity at 20 °C:	0 cP
Kinematic viscosity at 20 °C:	0 mm ² /s
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	100 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	235 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle characteristics:

Median equivalent diameter:	Non-applicable
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9.2 Other information:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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**BASE PERFUMADA VELVERT PEACH****SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)****Information with regard to physical hazard classes:**

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	20,38 kJ/g
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

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**BASE PERFUMADA VELVERT PEACH****SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: Benzyl acetate (3)
 - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
 - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
- F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Linalool CAS: 78-70-6 EC: 201-134-4	LD50 oral	3000 mg/kg	Rat
	LD50 dermal	5610 mg/kg	Rabbit
	LC50 inhalation		
Hexyl cinnam-aldehyde CAS: 101-86-0 EC: 202-983-3	LD50 oral	3100 mg/kg	Rat
	LD50 dermal	3000 mg/kg	Rabbit
	LC50 inhalation		
Citronellol CAS: 106-22-9 EC: 203-375-0	LD50 oral	3450 mg/kg	Rat
	LD50 dermal	2650 mg/kg	
	LC50 inhalation		

11.2 Information on other hazards:**Endocrine disrupting properties**

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

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**BASE PERFUMADA VELVERT PEACH****SECTION 12: ECOLOGICAL INFORMATION (continued)****Acute toxicity:**

Identification	Concentration	Species	Genus
Hexyl cinnam-aldehyde	LC50 >0.1 - 1 mg/L (96 h)		Fish
CAS: 101-86-0	EC50 >0.1 - 1 mg/L (48 h)		Crustacean
EC: 202-983-3	EC50 >0.1 - 1 mg/L (72 h)		Algae

12.2 Persistence and degradability:**Substance-specific information:**

Identification	Degradability	Biodegradability
Linalool	BOD5 Not relevant	Concentration 100 mg/L
CAS: 78-70-6	COD Not relevant	28 days cellPeriodoTesteoContenido
EC: 201-134-4	BOD5/COD Not relevant	% Biodegradable 90 %

12.3 Bioaccumulative potential:**Substance-specific information:**

Identification	Bioaccumulation potential
Linalool	BCF
CAS: 78-70-6	Pow Log 2.97
EC: 201-134-4	Potential
Hexyl cinnam-aldehyde	BCF 17
CAS: 101-86-0	Pow Log
EC: 202-983-3	Potential Low

12.4 Mobility in soil:

Not available

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods:**

Code	Description	Waste class (Regulation (EU) No 1357/2014)
07 01 99	wastes not otherwise specified	Non-hazardous

Type of waste (Regulation (EU) No 1357/2014):

Not relevant

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

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**BASE PERFUMADA VELVERT PEACH****SECTION 14: TRANSPORT INFORMATION (continued)**

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

Seveso III:

Not relevant

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Not relevant

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION**Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Not relevant

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:



Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

BASE PERFUMADA VELVERT PEACH

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

**BASE PERFUMADA FRESH MORNING****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier:** BASE PERFUMADA FRESH MORNING**Other means of identification:**

Not relevant

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: Product fragrance mixture

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

BIORAH UNIPessoal LDA
Edif. TECLABS, Campus FCUL
1749-016 Lisboa - Lisboa - Portugal
Phone: 217500587
info@bion3.org
http://www.biorah.com

1.4 Emergency telephone number: Contactar o CIAV 800 250 250**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture:****CLP Regulation (EC) No 1272/2008:**

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412

2.2 Label elements:**CLP Regulation (EC) No 1272/2008:****Hazard statements:**

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES, ETHYL LINALOOL, GERANYL ACETATE, HEXYL SALICYLATE. May produce an allergic reaction.

2.3 Other hazards:

Product does not meet PBT/vPvB criteria

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substance:**

Non-applicable

3.2 Mixture:**Chemical description:** Miscellaneous products**Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 10339-55-6 EC: 233-732-6 Index: Non-applicable REACH: 01-2119969272-32-XXXX	3,7-dimethylnona-1,6-dien-3-ol⁽¹⁾	Self-classified	<1 %
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

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**BASE PERFUMADA FRESH MORNING****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)**

Identification	Chemical name/Classification		Concentration
CAS: 6259-76-3 EC: 228-408-6 Index: Non-applicable REACH: 01-2119638275-36-XXXX	Hexyl salicylate⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Aquatic Chronic 1: H410; Skin Sens. 1B: H317 - Warning	
CAS: 54464-57-2 EC: 259-174-3 Index: Non-applicable REACH: Non-applicable	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 105-87-3 EC: 203-341-5 Index: Non-applicable REACH: 01-2119973480-35-XXXX	Geranyl acetate⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Aquatic Chronic 3: H412; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media:****Suitable extinguishing media:**

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

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**BASE PERFUMADA FRESH MORNING****SECTION 5: FIREFIGHTING MEASURES (continued)****5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:****A.- General precautions for safe use**

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:**A.- Specific storage requirements**

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

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**BASE PERFUMADA FRESH MORNING****SECTION 7: HANDLING AND STORAGE (continued)****7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
3,7-dimethylnona-1,6-dien-3-ol CAS: 10339-55-6 EC: 233-732-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	5,5 mg/kg	Not relevant	2,7 mg/kg	Not relevant
	Inhalation	18 mg/m ³	Not relevant	3 mg/m ³	Not relevant
Hexyl salicylate CAS: 6259-76-3 EC: 228-408-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	6,4 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1,7 mg/m ³	Not relevant
Geranyl acetate CAS: 105-87-3 EC: 203-341-5	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	35,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	62,59 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
3,7-dimethylnona-1,6-dien-3-ol CAS: 10339-55-6 EC: 233-732-6	Oral	1,3 mg/kg	Not relevant	0,2 mg/kg	Not relevant
	Dermal	2,7 mg/kg	Not relevant	1,4 mg/kg	Not relevant
	Inhalation	4,4 mg/m ³	Not relevant	0,74 mg/m ³	Not relevant
Hexyl salicylate CAS: 6259-76-3 EC: 228-408-6	Oral	Not relevant	Not relevant	0,3 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	3,2 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,4 mg/m ³	Not relevant
Geranyl acetate CAS: 105-87-3 EC: 203-341-5	Oral	Not relevant	Not relevant	8,9 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	17,75 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	15,4 mg/m ³	Not relevant

PNEC:

Identification					
3,7-dimethylnona-1,6-dien-3-ol CAS: 10339-55-6 EC: 233-732-6	STP	10 mg/L	Fresh water	0,023 mg/L	
	Soil	0,031 mg/kg	Marine water	0,002 mg/L	
	Intermittent	0,23 mg/L	Sediment (Fresh water)	0,223 mg/kg	
	Oral	0,00853 g/kg	Sediment (Marine water)	0,022 mg/kg	
Hexyl salicylate CAS: 6259-76-3 EC: 228-408-6	STP	10 mg/L	Fresh water	0 mg/L	
	Soil	0,054 mg/kg	Marine water	0 mg/L	
	Intermittent	0,004 mg/L	Sediment (Fresh water)	0,272 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0,027 mg/kg	
Geranyl acetate CAS: 105-87-3 EC: 203-341-5	STP	8 mg/L	Fresh water	0,00372 mg/L	
	Soil	0,086 mg/kg	Marine water	0,000372 mg/L	
	Intermittent	0,0372 mg/L	Sediment (Fresh water)	0,442 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0,044 mg/kg	

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

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**BASE PERFUMADA FRESH MORNING****SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Not relevant

D.- Eye and face protection

Not relevant

E.- Body protection

Not relevant

F.- Additional emergency measures

It is not necessary to take additional emergency measures.

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	2,45 % weight
V.O.C. density at 20 °C:	25,17 kg/m ³ (25,17 g/L)
Average carbon number:	9,85
Average molecular weight:	158,03 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Characteristic
Colour:	Not available
Odour:	Characteristic
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	188 - 345 °C
Vapour pressure at 20 °C:	7 Pa
Vapour pressure at 50 °C:	86,1 Pa (0,09 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1029,1 kg/m ³
Relative density at 20 °C:	1,029
Dynamic viscosity at 20 °C:	59,88 cP
Kinematic viscosity at 20 °C:	58,19 mm ² /s
Kinematic viscosity at 40 °C:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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**BASE PERFUMADA FRESH MORNING****SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *
Flammability:	
Flash Point:	99 °C (Does not maintain combustion)
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	260 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:**Information with regard to physical hazard classes:**

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	19,47 kJ/g
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

- CONTINUED ON NEXT PAGE -

**BASE PERFUMADA FRESH MORNING****SECTION 10: STABILITY AND REACTIVITY (continued)**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: Benzyl acetate (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

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**BASE PERFUMADA FRESH MORNING****SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

Identification	Acute toxicity		Genus
3,7-dimethylnona-1,6-dien-3-ol CAS: 10339-55-6 EC: 233-732-6	LD50 oral	5283 mg/kg	Mouse
	LD50 dermal	>5000 mg/kg	Rabbit
	LC50 inhalation		
Hexyl salicylate CAS: 6259-76-3 EC: 228-408-6	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		

11.2 Information on other hazards:**Endocrine disrupting properties**

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Harmful to aquatic life with long lasting effects.

12.1 Toxicity:**Acute toxicity:**

Identification	Concentration		Species	Genus
Hexyl salicylate CAS: 6259-76-3 EC: 228-408-6	LC50	>0.1 - 1 mg/L (96 h)		Fish
	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8-tetramethyl-2-naphthyl)ethan-1-one CAS: 54464-57-2 EC: 259-174-3	LC50	>0.1 - 1 mg/L (96 h)		Fish
	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
	EC50	>0.1 - 1 mg/L (72 h)		Algae
Geranyl acetate CAS: 105-87-3 EC: 203-341-5	LC50	>10 - 100 mg/L (96 h)		Fish
	EC50	>10 - 100 mg/L (48 h)		Crustacean
	EC50	>10 - 100 mg/L (72 h)		Algae

12.2 Persistence and degradability:**Substance-specific information:**

Identification	Degradability		Biodegradability	
3,7-dimethylnona-1,6-dien-3-ol CAS: 10339-55-6 EC: 233-732-6	BOD5	Not relevant	Concentration	100 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	91 %

12.3 Bioaccumulative potential:

Not available

12.4 Mobility in soil:

Not available

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

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**BASE PERFUMADA FRESH MORNING****SECTION 13: DISPOSAL CONSIDERATIONS (continued)****13.1 Waste treatment methods:**

Code	Description	Waste class (Regulation (EU) No 1357/2014)
07 01 04*	other organic solvents, washing liquids and mother liquors	Hazardous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

Seveso III:

Not relevant

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION**Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

- CONTINUED ON NEXT PAGE -

**BASE PERFUMADA FRESH MORNING****SECTION 16: OTHER INFORMATION (continued)**

Not relevant

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Classification procedure:

Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

**Corante Azul 05/15****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** Corante Azul 05/15
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: Colourant in solution
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
BIORAH UNIPessoal LDA
Edif. TECLABS, Campus FCUL
1749-016 Lisboa - Lisboa - Portugal
Phone: 217500587
info@bion3.org
http://www.biorah.com
- 1.4 Emergency telephone number:** Contactar o CIAV 800 250 250

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
CLP Regulation (EC) No 1272/2008:
The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.
- 2.2 Label elements:**
CLP Regulation (EC) No 1272/2008:
None
- 2.3 Other hazards:**
Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

- 3.1 Substance:**
Non-applicable
- 3.2 Mixture:**
Chemical description: Colourants
Components:
In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3844-45-9 EC: 223-339-8 Index: Non-applicable REACH: 01-2120740569-45-XXXX	C.I. Acid Blue 9⁽¹⁾	Not classified	<1 %
	Regulation 1272/2008		

⁽¹⁾ Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

** Changes with regards to the previous version

SECTION 4: FIRST AID MEASURES

- 4.1 Description of first aid measures:**
The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

- CONTINUED ON NEXT PAGE -

**Corante Azul 05/15****SECTION 4: FIRST AID MEASURES (continued)****By inhalation:**

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet

By eye contact:

This product does not contain substances classified as hazardous for eye contact. Rinse eyes thoroughly for at least 15 minutes with lukewarm water, ensuring that the person affected does not rub or close their eyes.

By ingestion/aspiration:

In case of consumption, seek immediate medical assistance showing the SDS for the product.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media:****Suitable extinguishing media:**

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilled product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

- CONTINUED ON NEXT PAGE -

**Corante Azul 05/15****SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
C.I. Acid Blue 9 CAS: 3844-45-9 EC: 223-339-8	Oral	Not relevant	Not relevant	6 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	Not relevant

PNEC:

Not relevant

8.2 Exposure controls:

- CONTINUED ON NEXT PAGE -

**Corante Azul 05/15****SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)****A.- Individual protection measures, such as personal protective equipment**

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Not relevant

D.- Eye and face protection

Not relevant

E.- Body protection

Not relevant

F.- Additional emergency measures

It is not necessary to take additional emergency measures.

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 °C:	0 kg/m ³ (0 g/L)
Average carbon number:	Not relevant
Average molecular weight:	Not relevant

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Characteristic
Colour:	 Blue
Odour:	Characteristic
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	100 - 246 °C
Vapour pressure at 20 °C:	2348 Pa
Vapour pressure at 50 °C:	12372,79 Pa (12,37 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1035,3 kg/m ³
Relative density at 20 °C:	1,035
Dynamic viscosity at 20 °C:	1,06 cP
Kinematic viscosity at 20 °C:	1,03 mm ² /s

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

**Corante Azul 05/15****SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	535 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle characteristics:

Median equivalent diameter:	Non-applicable
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9.2 Other information:**Information with regard to physical hazard classes:**

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

- CONTINUED ON NEXT PAGE -

**Corante Azul 05/15****SECTION 10: STABILITY AND REACTIVITY (continued)**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: C.I. Acid Blue 9 (3); Talc (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

- CONTINUED ON NEXT PAGE -

**Corante Azul 05/15****SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

Not available

11.2 Information on other hazards:**Endocrine disrupting properties**

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION **

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:**Acute toxicity:**

Identification	Concentration	Species	Genus
C.I. Acid Blue 9	LC50 >1000 mg/L (96 h)	Leuciscus idus	Fish
CAS: 3844-45-9	EC50 >100 mg/L (48 h)	Daphnia magna	Crustacean
EC: 223-339-8	EC50 >100 mg/L (72 h)	Chlorella vulgaris	Algae

12.2 Persistence and degradability:**Substance-specific information:**

Identification	Degradability	Biodegradability
C.I. Acid Blue 9	BOD5 Not relevant	Concentration 41 mg/L
CAS: 3844-45-9	COD Not relevant	Period 28 days
EC: 223-339-8	BOD5/COD Not relevant	% Biodegradable 10 %

12.3 Bioaccumulative potential:

Not available

12.4 Mobility in soil:

Not available

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

**** Changes with regards to the previous version****SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods:**

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 01 12	waste paint and varnish other than those mentioned in 08 01 11	Non-hazardous

Type of waste (Regulation (EU) No 1357/2014):

Not relevant

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

- CONTINUED ON NEXT PAGE -

**Corante Azul 05/15****SECTION 13: DISPOSAL CONSIDERATIONS (continued)****Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

- Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains 2-phenoxyethanol, Potassium (E,E)-hexa-2,4-dienoate.
- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

Seveso III:

Not relevant

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Not relevant

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION**Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 12):

- New declared substances
C.I.Acid Blue 9 (3844-45-9)

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Not relevant

Classification procedure:

Not relevant

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

- CONTINUED ON NEXT PAGE -



SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

SAFETY DATA SHEET

According to Regulation (EC) N° 2020/878

Product: GESSO ESTUQUE

Date of Printing: 16-10-2023

Revision Date: 16-10-2023

SECTION 1. Identification of the substance/mixture and of the company

1.1 Product identifier

Product name: GESSO ESTUQUE

Name of the substance: Calcium sulphate hemihydrate ($\text{CaSO}_4 \cdot 1/2 \text{H}_2\text{O}$)

EC: 231-900-3

REACH number: 1-2119444918-26-0224

CAS: 7778-18-9 / 10034-76-1

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

Identified uses: Gypsum binder for direct use or further processing (dry powder products).

Uses advised against: No specific uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

SIVAL – Gessos Especiais, Lda.

Rua Emídio Oliveira Faria

2425-879 Souto da Carpalhosa

Telefone: +351 244 619 170

E-mail: fabricas@sival.pt

1.4 Emergency telephone number

Emergency telephone – +351 244 619 170 (9:00 – 18:00; Monday - Friday)

National Poisons Information Centre (PORTUGAL) - phone number: 800 250 250

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture Classification (EC 1272/2008)

Not Classified

2.2 Label elements

Not Classified

2.3 Other hazards

This product does not contain any substances classified as PBT or vPvB.

Precautionary statements:

P102 - Keep out of reach of children

P261 - Avoid inhalation of dust.

P280 - Wear protective gloves / protective clothing / eye protection / face protection.

SECTION 3. Composition/information on ingredients

3.1 Substance

Calcium Sulfate

$\text{CaSO}_4 \cdot n\text{H}_2\text{O}$ ($n=1/2$)

REACH registration number: 01-2119444918-26-0224

SAFETY DATA SHEET

According to Regulation (EC) N° 2020/878

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Date of Printing: 16-10-2023

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CAS: 7778-18-9 / 10034-76-1

Degree of purity: > 90%

Stabilizers: None

Dangerous impurities: None

Additional information: None

3.2 Mixture

Not applicable

SECTION 4. First aid measures

4.1. Description of first aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
Never induce swallowing by an unconscious person.

Inhalation: Move affected person to fresh air.

Skin contact: Watch out for any remaining product between skin and clothing, watches, shoes, etc.

Eye contact: Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

Ingestion: Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Does not produce symptoms or effects.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable.

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Any means of fighting flames. The product is not flammable.

Unsuitable extinguishing media: None.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

Protective actions during firefighting: Choose the appropriate fire-fighting means for the substances around you.

Special protective equipment for firefighters: None.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Avoid the formation of dust.

SAFETY DATA SHEET

According to Regulation (EC) N° 2020/878

Product: GESSO ESTUQUE

Date of Printing: 16-10-2023

Revision Date: 16-10-2023

6.2 Environmental precautions: Are not required.

6.3 Methods and material for containment and cleaning up: Preferably, collect dry. With water, it forms a slippery coating

6.4 Reference to other sections: See Section 7, 8 and 13.

SECTION 7. Handling and storage

7.1 Precautions for safe handling: It is not necessary to adopt special protective measures if handled correctly. Avoid dust formation, inhalation and contact with eyes. The product itself does not burn, so no special fire protection measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities: Store only in the original closed packaging, in a dry and well-ventilated place. Protect from moisture in the air and water. Recommended storage temperature: 5-30°C. Non-combustible solid.

7.3 Specific end use(s): The identified uses for this product are detailed in Section 1.2.

SECTION 8. Exposure controls/Personal protection

8.1 Control parameters

Occupational exposure limits

AGCIH 2014 (NP 1796:2014)

Calcium sulphate hemihydrate

VLE - MP
10 mg/m³ dust inhalable

DNEL

Workers

Exposure Routes	Short term – systemic effects	Long term – systemic effects
Inhalation	5082 mg/m ³	21,17 mg/m ³

General Population

Exposure Routes	Short term – systemic effects	Long term – systemic effects
Inhalation	3811 mg/m ³	5,29 mg/m ³
Oral	11,4 mg/kg/day	1,52 mg/kg/day

PNEC

STP	100 mg/l
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8.2 Exposure controls

Keep away from food, drink and feed. Wash hands before breaks and at the end of work. Do not eat or drink while working. Remove dirty clothes with the product.

Respiratory protection

It is not necessary for handling the product mixed with water. In case of strong dust concentration, use FFP2 type respiratory filters.

SAFETY DATA SHEET

According to Regulation (EC) Nº 2020/878

Product: GESSO ESTUQUE

Date of Printing: 16-10-2023

Revision Date: 16-10-2023

Hand, eye, skin and body protection

It is recommended to use suitable gloves (nitrile coated cotton), goggles and protective clothing at work.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Powder

Colour: White, beige, grey

Odour: Neutral

pH (aqueous solution): Proche 7

Melting point: Not applicable

Freezing point: Not stated

Boiling point or initial boiling point and boiling range: Not relevant

Flammability: Not stated

Upper/lower explosive limits: Not stated

Flash point: Not relevant

Auto-ignition temperature: Not relevant

Decomposition temperature: Not relevant

Kinematic viscosity: not stated

Water solubility: 2g/l

Partition coefficient n-octanol/water: Not stated

Vapour pressure: Not relevant

Bulk density (powder product): 0,6 - 0,7 kg/l

Relative vapour density: Not stated

9.2 Other information: None

SECTION 10. Stability and reactivity

10.1 Reactivity

Stable at normal ambient temperatures and when used as recommended.

10.2 Chemical stability

Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3 Possibility of hazardous reactions

No potentially hazardous reactions known.

10.4 Conditions to avoid

Avoid formation of dusts.

10.5 Incompatible materials

None.

10.6 Hazardous decomposition products

Does not decompose when used and stored as recommended.

SAFETY DATA SHEET

According to Regulation (EC) N° 2020/878

Product: GESSO ESTUQUE

Date of Printing: 16-10-2023



Revision Date: 16-10-2023

SECTION 11. Toxicological information

11.1 Information on toxicological effects:

Relevant risk category	Effect dose	Species	Method	Remark
Acute oral toxicity	LD50>1581 mg/kg	Rat	OECD 420	
Acute dermal toxicity	N/A			No skin toxicity due to low absorption capacity.
Acute inhalation toxicity	LC50>2,61 mg/l	Rat	OECD 403	Maximum attainable dose.
Skin corrosion/irritation	N/A	Rabbit	OECD 404	Not irritating.
Serious eye damage/irritation	N/A	Rabbit	OECD 405	Not irritating.
Skin sensibilisation	N/A	Guinea Pig	OECD 406	Not sensitising.
Germ cell mutagenicity	N/A	In vitro	OECD 471 OECD 476	Non-mutagenic.
		Mouse	OECD 474	Non-mutagenic.
Carcinogenicity	N/A			There is no risk of carcinogenicity.
Reproductive toxicity	NOAEL 790 mg/kg pc	Rat	OECD 422	No signs of reproductive toxicity observed.
Specific target organ toxicity (STOT) – single exposure	N/A			No organ toxicity seen in acute toxicity tests.
Specific target organ toxicity (STOT) – repeated exposure	N/A			No organ toxicity seen in acute toxicity tests.
Aspiration hazard	N/A			No risk of aspiration.

SECTION 12. Ecological information

12.1 Toxicity

Aquatic Toxicity	Effect dose	Duration of exposure	Species	Method	Evaluation	Remark
Fish toxicity	LC50>79 mg/l	96 h	Others	OECD 203	Harmless to fish up to the tested concentration.	LIMIT test
Crustacean toxicity	EC50>79 mg/l	48 h	Daphnia sp.	OECD 202	Harmless to daphnia up to the tested concentration.	LIMIT test
Algae toxicity	ECr50>79 mg/l	72 h	Selenastrum capricornutum	OECD 201	Harmless to algae up to the tested concentration.	LIMIT test
Toxicity to STP microorganisms	EC50>790 mg/l	3 h	Activated sludge	OECD 209	Harmless to STP microorganisms.	LIMIT test

SAFETY DATA SHEET

According to Regulation (EC) N° 2020/878

Product: GESSO ESTUQUE

Date of Printing: 16-10-2023

Revision Date: 16-10-2023

12.2 Persistence and degradability

Abiotic Degradation.

Physical- and photo-chemical elimination:

The product hydrolyses quickly in the presence of water to: Calcium and Sulfate Ions.

The individual components are poorly eliminated from water.

Inorganic product which is not eliminable from water through biological cleaning processes.

Biodegradability:

No degradability data is available, the substance is considered as not degrading quickly.

12.3 Bioaccumulative potential

Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.

No indication to bioaccumulation potential.

The ecological data were measured on the hydrolysed product.

According to experiences this product is inert and not degradable biologically.

12.4 Mobility in soil

Water-soluble solid. Natural constituent in soils.

If product enters soil, it will be mobile and may contaminate groundwater.

12.5 Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Endocrine disrupting properties

No data available.

12.7 Other adverse effects

According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as dangerous for the environment.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste codes / waste designations according to EWC

10 13 06 particles and dust (except 10 13 12 and 10 13 13)

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SAFETY DATA SHEET

According to Regulation (EC) N° 2020/878

Product: GESSO ESTUQUE

Date of Printing: 16-10-2023

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SECTION 14. Transport information

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1 UN number: Not applicable.

14.2 UN proper shipping name: Not applicable.

14.3 Transport hazard class(es): No transport warning sign required.

14.4 Packing group: Not applicable.

14.5 Environmentally hazardous substance/marine pollutant: No.

14.6 Special precautions for user: Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.

SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Commission Regulation (EU) No 2020/878 of 18 June 2020.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16. Other information

This document is the first version of the GESSO ESTUQUE safety data sheet.

These data exclusively describe the product's safety requirements and are based on the current state of our knowledge. This information is intended to provide advice on the safe handling of the products mentioned in this safety data sheet, for their storage, processing, transportation and disposal. This information cannot be transferred to other products. In case of mixing this product with other products or in case of transformation, the information in this safety data sheet is not necessarily valid for the new products obtained.