



**ESENCIA 17677**  
**ART. COMERCIAL SEE BREEZE**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** ESENCIA 17677  
ART. COMERCIAL SEE BREEZE
- Other means of identification:**
- UFI:** FQ8C-D0KP-F008-2CPS
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses (Consumer use): Fragrance  
Relevant uses (Professional users): Fragrance  
Relevant uses (Industrial user): Fragrance  
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:**  
ESSENTIAL COMPOSITIONS, S.L.  
C/ BROSQUIL Nº 2, POL. ALCODAR  
46701 GANDÍA - VALENCIA - ESPAÑA  
Phone: +34 96 111 70 07 - Fax: +34 96 296 59 05  
info@essentialcompositions.com  
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- 1.4 Emergency telephone number:** +34 96 111 70 07

**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.  
Acute Tox. 4: Acute toxicity if swallowed, Category 4, H302  
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411  
Eye Irrit. 2: Eye irritation, Category 2, H319  
Skin Irrit. 2: Skin irritation, Category 2, H315  
Skin Sens. 1B: Sensitisation, skin, Category 1B, H317
- 2.2 Label elements:**
- CLP Regulation (EC) No 1272/2008:**
- Warning**
-  
- Hazard statements:**  
Acute Tox. 4: H302 - Harmful if swallowed.  
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.
- Precautionary statements:**  
P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P261: Avoid breathing vapours  
P264: Wash thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501: Dispose of contents/container according to the separated collection system used in your municipality.
- Supplementary information:**

\*\* Changes with regards to the previous version

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**SECTION 2: HAZARDS IDENTIFICATION \*\* (continued)**

Contains 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Citronellol, 3-p-cumenyl-2-methylpropionaldehyde, a-methyl-1,3-benzodioxole-5-propionaldehyde, d-limonene, Hexyl salicylate, Benzyl cinnamate, 3-(4-tert-butylphenyl)propionaldehyde.

**Substances that contribute to the classification**

Benzyl benzoate; Hexyl cinnam-aldehyde; Linalool; 2-phenylethanol

**UFI:** FQ8C-D0KP-F008-2CPS

**2.3 Other hazards:**

Product does not meet PBT/vPvB criteria

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

\*\* Changes with regards to the previous version

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

**3.1 Substance:**

Not relevant

**3.2 Mixture:**

**Chemical description:** Odoriferous mixture based on natural and/or synthetic ingredients

**Components:**

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






















Identification	Chemical name/Classification		Concentration
CAS: 120-51-4 EC: 204-402-9 Index: 607-085-00-9 REACH: 01-2119976371-33-XXXX	<b>Benzyl benzoate<sup>(1)</sup></b>	ATP ATP01	15 - <20 %
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 2: H411 - Warning	
CAS: 1222-05-5 EC: 214-946-9 Index: 603-212-00-7 REACH: 01-2119488227-29-XXXX	<b>1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran<sup>(1)</sup></b>	ATP ATP01	5 - <10 %
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning	
CAS: 101-86-0 EC: 202-983-3 Index: Not relevant REACH: Not relevant	<b>Hexyl cinnam-aldehyde<sup>(1)</sup></b>	Self-classified	5 - <10 %
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Skin Sens. 1B: H317 - Warning	
CAS: 78-70-6 EC: 201-134-4 Index: 603-235-00-2 REACH: 01-2119474016-42-XXXX	<b>Linalool<sup>(1)</sup></b>	Self-classified	5 - <10 %
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 60-12-8 EC: 200-456-2 Index: Not relevant REACH: 01-2119963921-31-XXXX	<b>2-phenylethanol<sup>(1)</sup></b>	Self-classified	5 - <10 %
	Regulation 1272/2008	Acute Tox. 4: H302; Eye Irrit. 2: H319 - Warning	
CAS: 63500-71-0 EC: 405-040-6 Index: 603-101-00-3 REACH: 01-2119455547-30-XXXX	<b>Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)<sup>(1)</sup></b>	ATP CLP00	2,5 - <5 %
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 54464-57-2 EC: 259-174-3 Index: Not relevant REACH: Not relevant	<b>1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one<sup>(1)</sup></b>	Self-classified	2,5 - <5 %
	Regulation 1272/2008	Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 65113-99-7 EC: 265-453-0 Index: Not relevant REACH: Not relevant	<b>α,β,2,2,3-pentamethylcyclopent-3-ene-1-butanol<sup>(1)</sup></b>	Self-classified	2,5 - <5 %
	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Irrit. 2: H319 - Warning	
CAS: 127-51-5 EC: 204-846-3 Index: Not relevant REACH: 01-2120138569-45-XXXX	<b>3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one<sup>(1)</sup></b>	Self-classified	2,5 - <5 %
	Regulation 1272/2008	Aquatic Chronic 2: H411	

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

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)**

Identification	Chemical name/Classification		Concentration
CAS: 106-22-9 EC: 203-375-0 Index: Not relevant REACH: 01-2119453995-23-XXXX	<b>Citronellol<sup>(1)</sup></b>	Self-classified	2,5 - <5 %
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 103-95-7 EC: 203-161-7 Index: Not relevant REACH: 01-2119970582-32-XXXX	<b>3-p-cumenyl-2-methylpropionaldehyde<sup>(1)</sup></b>	Self-classified	2,5 - <5 %
	Regulation 1272/2008	Aquatic Chronic 3: H412; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 140-11-4 EC: 205-399-7 Index: Not relevant REACH: 01-2119638272-42-XXXX	<b>Benzyl acetate<sup>(1)</sup></b>	Self-classified	2,5 - <5 %
	Regulation 1272/2008	Aquatic Chronic 3: H412	
CAS: 128-37-0 EC: 204-881-4 Index: Not relevant REACH: 01-2119565113-46-XXXX	<b>2,6-di-tert-butyl-p-cresol<sup>(1)</sup></b>	Self-classified	1 - <2,5 %
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning	
CAS: 1506-02-1 EC: 216-133-4 Index: Not relevant REACH: 01-2119539433-40-XXXX	<b>1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one<sup>(1)</sup></b>	Self-classified	1 - <2,5 %
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning	 
CAS: 1205-17-0 EC: 214-881-6 Index: Not relevant REACH: 01-2120740119-58-XXXX	<b>a-methyl-1,3-benzodioxole-5-propionaldehyde<sup>(1)</sup></b>	Self-classified	1 - <2,5 %
	Regulation 1272/2008	Aquatic Chronic 2: H411; Repr. 2: H361; Skin Sens. 1B: H317 - Warning	  
CAS: 18479-58-8 EC: 242-362-4 Index: Not relevant REACH: 01-2119457274-37-XXXX	<b>2,6-dimethyloct-7-en-2-ol<sup>(1)</sup></b>	Self-classified	1 - <2,5 %
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H336 - Warning	
CAS: 5989-27-5 EC: 227-813-5 Index: 601-096-00-2 REACH: 01-2119529223-47-XXXX	<b>d-limonene<sup>(1)</sup></b>	ATP ATP17	1 - <2,5 %
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Danger	   
CAS: 6259-76-3 EC: 228-408-6 Index: Not relevant REACH: 01-2119638275-36-XXXX	<b>Hexyl salicylate<sup>(1)</sup></b>	Self-classified	1 - <2,5 %
	Regulation 1272/2008	Aquatic Chronic 1: H410; Skin Sens. 1B: H317 - Warning	 
CAS: 104-67-6 EC: 203-225-4 Index: Not relevant REACH: 01-2119959333-34-XXXX	<b>Undecan-4-olide<sup>(1)</sup></b>	Self-classified	1 - <2,5 %
	Regulation 1272/2008	Aquatic Chronic 3: H412	
CAS: 125109-85-5 EC: 412-050-4 Index: 605-028-00-2 REACH: 01-2119858360-39-XXXX	<b>β-methyl-3-(1-methylethyl)-benzenepropanal<sup>(1)</sup></b>	ATP CLP00	1 - <2,5 %
	Regulation 1272/2008	Aquatic Chronic 2: H411	
CAS: 81782-77-6 EC: 279-815-0 Index: Not relevant REACH: 01-2119983528-21-XXXX	<b>4-methyl-3-decen-5-ol<sup>(1)</sup></b>	Self-classified	<1 %
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 2: H411 - Warning	
CAS: 103-41-3 EC: 203-109-3 Index: Not relevant REACH: 01-2120762246-53-XXXX	<b>Benzyl cinnamate<sup>(1)</sup></b>	Self-classified	<1 %
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Skin Sens. 1B: H317 - Warning	 
CAS: 18127-01-0 EC: 242-016-2 Index: Not relevant REACH: 01-2119983533-30-XXXX	<b>3-(4-tert-butylphenyl)propionaldehyde<sup>(1)</sup></b>	Self-classified	<1 %
	Regulation 1272/2008	Aquatic Chronic 3: H412; Repr. 2: H361; Skin Irrit. 2: H315; Skin Sens. 1B: H317; STOT RE 2: H373 - Warning	 

<sup>(1)</sup> 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.

**Other information:**

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)**

Identification		M-factor	
d-limonene		Acute	1
CAS: 5989-27-5	EC: 227-813-5	Chronic	1

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification		Acute toxicity		Genus
Benzyl benzoate CAS: 120-51-4 EC: 204-402-9	LD50 oral	500 mg/kg		Rat
	LD50 dermal	Not relevant		
	LC50 inhalation vapour	Not relevant		
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one CAS: 1506-02-1 EC: 216-133-4	LD50 oral	920 mg/kg		Rat
	LD50 dermal	Not relevant		
	LC50 inhalation vapour	Not relevant		
2-phenylethanol CAS: 60-12-8 EC: 200-456-2	LD50 oral	1610 mg/kg		Rat
	LD50 dermal	Not relevant		
	LC50 inhalation vapour	Not relevant		

**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 is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

**By skin contact:**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

**By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

**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

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**SECTION 5: FIREFIGHTING MEASURES (continued)**

**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. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

**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. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**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:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

**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

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for 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.

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**SECTION 7: HANDLING AND STORAGE (continued)**

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

**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
Benzyl benzoate CAS: 120-51-4 EC: 204-402-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	2,6 mg/kg	Not relevant
	Inhalation	102 mg/m <sup>3</sup>	Not relevant	5,1 mg/m <sup>3</sup>	Not relevant
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran CAS: 1222-05-5 EC: 214-946-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	36,7 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	13,5 mg/m <sup>3</sup>	Not relevant
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 <sup>3</sup>	Not relevant
2-phenylethanol CAS: 60-12-8 EC: 200-456-2	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	21,2 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	59,9 mg/m <sup>3</sup>	Not relevant
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	41,7 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	44,1 mg/m <sup>3</sup>	Not relevant
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one CAS: 127-51-5 EC: 204-846-3	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,375 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	8,22 mg/m <sup>3</sup>	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 <sup>3</sup>	161,6 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	1,67 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	5,83 mg/m <sup>3</sup>	Not relevant
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	2,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	9 mg/m <sup>3</sup>	Not relevant

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	3,5 mg/m <sup>3</sup>	Not relevant
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl) ethan-1-one CAS: 1506-02-1 EC: 216-133-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,61 mg/kg	Not relevant
	Inhalation	0,525 mg/m <sup>3</sup>	Not relevant	0,175 mg/m <sup>3</sup>	Not relevant
a-methyl-1,3-benzodioxole-5-propionaldehyde CAS: 1205-17-0 EC: 214-881-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,17 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1,2 mg/m <sup>3</sup>	Not relevant
2,6-dimethyloct-7-en-2-ol CAS: 18479-58-8 EC: 242-362-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	20,8 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	73,5 mg/m <sup>3</sup>	Not relevant
d-limonene CAS: 5989-27-5 EC: 227-813-5	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	9,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	66,7 mg/m <sup>3</sup>	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 <sup>3</sup>	Not relevant
β-methyl-3-(1-methylethyl)-benzenepropanal CAS: 125109-85-5 EC: 412-050-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	6 mg/kg	Not relevant	1,4 mg/kg	Not relevant
	Inhalation	21,16 mg/m <sup>3</sup>	52,89 mg/m <sup>3</sup>	4,93 mg/m <sup>3</sup>	8,82 mg/m <sup>3</sup>
4-methyl-3-decen-5-ol CAS: 81782-77-6 EC: 279-815-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	10 mg/kg	Not relevant	10 mg/kg	Not relevant
	Inhalation	35,26 mg/m <sup>3</sup>	88,16 mg/m <sup>3</sup>	98,7 mg/m <sup>3</sup>	88,16 mg/m <sup>3</sup>
Benzyl cinnamate CAS: 103-41-3 EC: 203-109-3	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	2 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	7,05 mg/m <sup>3</sup>	Not relevant
3-(4-tert-butylphenyl)propionaldehyde CAS: 18127-01-0 EC: 242-016-2	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	3,57 mg/kg	Not relevant	0,89 mg/kg	Not relevant
	Inhalation	0,88 mg/m <sup>3</sup>	0,88 mg/m <sup>3</sup>	0,308 mg/m <sup>3</sup>	0,22 mg/m <sup>3</sup>

**DNEL (General population):**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Benzyl benzoate CAS: 120-51-4 EC: 204-402-9	Oral	78 mg/kg	Not relevant	0,4 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1,3 mg/kg	Not relevant
	Inhalation	25 mg/m <sup>3</sup>	Not relevant	1,25 mg/m <sup>3</sup>	Not relevant
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran CAS: 1222-05-5 EC: 214-946-9	Oral	Not relevant	Not relevant	2,3 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	22 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	4 mg/m <sup>3</sup>	Not relevant
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 <sup>3</sup>	Not relevant
2-phenylethanol CAS: 60-12-8 EC: 200-456-2	Oral	5,1 mg/kg	Not relevant	5,1 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	12,7 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	17,7 mg/m <sup>3</sup>	Not relevant
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	Oral	Not relevant	Not relevant	7,5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	25 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	13 mg/m <sup>3</sup>	Not relevant

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one CAS: 127-51-5 EC: 204-846-3	Oral	Not relevant	Not relevant	0,0355 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,0446 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1,45 mg/m <sup>3</sup>	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 <sup>3</sup>	47,8 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	Oral	Not relevant	Not relevant	0,83 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,83 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1,45 mg/m <sup>3</sup>	Not relevant
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	Oral	Not relevant	Not relevant	1,3 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1,3 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	2,2 mg/m <sup>3</sup>	Not relevant
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,25 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,86 mg/m <sup>3</sup>	Not relevant
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one CAS: 1506-02-1 EC: 216-133-4	Oral	1,2 mg/kg	Not relevant	0,013 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,305 mg/kg	Not relevant
	Inhalation	0,131 mg/m <sup>3</sup>	Not relevant	0,043 mg/m <sup>3</sup>	Not relevant
a-methyl-1,3-benzodioxole-5-propionaldehyde CAS: 1205-17-0 EC: 214-881-6	Oral	Not relevant	Not relevant	0,17 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,083 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,29 mg/m <sup>3</sup>	Not relevant
2,6-dimethyloct-7-en-2-ol CAS: 18479-58-8 EC: 242-362-4	Oral	Not relevant	Not relevant	12,5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	12,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	21,7 mg/m <sup>3</sup>	Not relevant
d-limonene CAS: 5989-27-5 EC: 227-813-5	Oral	Not relevant	Not relevant	4,8 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	4,8 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	16,6 mg/m <sup>3</sup>	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 <sup>3</sup>	Not relevant
β-methyl-3-(1-methylethyl)-benzenepropanal CAS: 125109-85-5 EC: 412-050-4	Oral	3 mg/kg	Not relevant	0,5 mg/kg	Not relevant
	Dermal	3 mg/kg	Not relevant	0,5 mg/kg	Not relevant
	Inhalation	5,22 mg/m <sup>3</sup>	13,04 mg/m <sup>3</sup>	0,87 mg/m <sup>3</sup>	2,17 mg/m <sup>3</sup>
4-methyl-3-decen-5-ol CAS: 81782-77-6 EC: 279-815-0	Oral	5 mg/kg	Not relevant	10 mg/kg	Not relevant
	Dermal	5 mg/kg	Not relevant	0,0893 mg/kg	Not relevant
	Inhalation	8,7 mg/m <sup>3</sup>	21,74 mg/m <sup>3</sup>	14,38 mg/m <sup>3</sup>	21,74 mg/m <sup>3</sup>
Benzyl cinnamate CAS: 103-41-3 EC: 203-109-3	Oral	Not relevant	Not relevant	1 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1,74 mg/m <sup>3</sup>	Not relevant
3-(4-tert-butylphenyl)propionaldehyde CAS: 18127-01-0 EC: 242-016-2	Oral	26,88 mg/kg	Not relevant	0,03 mg/kg	Not relevant
	Dermal	1,79 mg/kg	Not relevant	0,45 mg/kg	Not relevant
	Inhalation	0,22 mg/m <sup>3</sup>	0,22 mg/m <sup>3</sup>	0,0544 mg/m <sup>3</sup>	0,22 mg/m <sup>3</sup>

**PNEC:**

Identification				
Benzyl benzoate CAS: 120-51-4 EC: 204-402-9	STP	100 mg/L	Fresh water	0,017 mg/L
	Soil	2,12 mg/kg	Marine water	0,002 mg/L
	Intermittent	Not relevant	Sediment (Fresh water)	10,66 mg/kg
	Oral	Not relevant	Sediment (Marine water)	1,07 mg/kg

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Identification				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran CAS: 1222-05-5 EC: 214-946-9	STP	1 mg/L	Fresh water	0,0068 mg/L
	Soil	1,5 mg/kg	Marine water	0,00044 mg/L
	Intermittent	Not relevant	Sediment (Fresh water)	2 mg/kg
	Oral	20,4 g/kg	Sediment (Marine water)	0,394 mg/kg
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
2-phenylethanol CAS: 60-12-8 EC: 200-456-2	STP	10 mg/L	Fresh water	0,215 mg/L
	Soil	0,164 mg/kg	Marine water	0,021 mg/L
	Intermittent	2,15 mg/L	Sediment (Fresh water)	1,454 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,145 mg/kg
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	STP	10 mg/L	Fresh water	0,094 mg/L
	Soil	0,09 mg/kg	Marine water	0,009 mg/L
	Intermittent	0,94 mg/L	Sediment (Fresh water)	0,412 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,041 mg/kg
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one CAS: 127-51-5 EC: 204-846-3	STP	10 mg/L	Fresh water	0,00143 mg/L
	Soil	0,0878 mg/kg	Marine water	0,000143 mg/L
	Intermittent	0,0143 mg/L	Sediment (Fresh water)	0,443 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,0443 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
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	STP	1 mg/L	Fresh water	0,00109 mg/L
	Soil	0,025 mg/kg	Marine water	0,00011 mg/L
	Intermittent	0,01092 mg/L	Sediment (Fresh water)	0,126 mg/kg
	Oral	0,0333 g/kg	Sediment (Marine water)	0,013 mg/kg
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	STP	8,55 mg/L	Fresh water	0,018 mg/L
	Soil	0,094 mg/kg	Marine water	0,002 mg/L
	Intermittent	0,04 mg/L	Sediment (Fresh water)	0,526 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,053 mg/kg
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	STP	0,17 mg/L	Fresh water	0,000199 mg/L
	Soil	0,04769 mg/kg	Marine water	0,00002 mg/L
	Intermittent	0,00199 mg/L	Sediment (Fresh water)	0,0996 mg/kg
	Oral	0,00833 g/kg	Sediment (Marine water)	0,00996 mg/kg
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one CAS: 1506-02-1 EC: 216-133-4	STP	2,2 mg/L	Fresh water	0,0022 mg/L
	Soil	0,01 mg/kg	Marine water	0,00022 mg/L
	Intermittent	0,0061 mg/L	Sediment (Fresh water)	1,72 mg/kg
	Oral	0,0011 g/kg	Sediment (Marine water)	0,345 mg/kg
a-methyl-1,3-benzodioxole-5-propionaldehyde CAS: 1205-17-0 EC: 214-881-6	STP	10 mg/L	Fresh water	0,005 mg/L
	Soil	0,008 mg/kg	Marine water	0,001 mg/L
	Intermittent	0,053 mg/L	Sediment (Fresh water)	0,057 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,006 mg/kg
2,6-dimethyloct-7-en-2-ol CAS: 18479-58-8 EC: 242-362-4	STP	10 mg/L	Fresh water	0,0278 mg/L
	Soil	0,103 mg/kg	Marine water	0,00278 mg/L
	Intermittent	0,278 mg/L	Sediment (Fresh water)	0,594 mg/kg
	Oral	0,111 g/kg	Sediment (Marine water)	0,059 mg/kg

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Identification				
d-limonene CAS: 5989-27-5 EC: 227-813-5	STP	1,8 mg/L	Fresh water	0,014 mg/L
	Soil	0,763 mg/kg	Marine water	0,0014 mg/L
	Intermittent	Not relevant	Sediment (Fresh water)	3,85 mg/kg
	Oral	0,133 g/kg	Sediment (Marine water)	0,385 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
β-methyl-3-(1-methylethyl)-benzenepropanal CAS: 125109-85-5 EC: 412-050-4	STP	3,2 mg/L	Fresh water	0,0142 mg/L
	Soil	0,212 mg/kg	Marine water	0,00142 mg/L
	Intermittent	0,0226 mg/L	Sediment (Fresh water)	1,1 mg/kg
	Oral	0,002 g/kg	Sediment (Marine water)	0,11 mg/kg
4-methyl-3-decen-5-ol CAS: 81782-77-6 EC: 279-815-0	STP	10 mg/L	Fresh water	0,00076 mg/L
	Soil	0,018 mg/kg	Marine water	0,000076 mg/L
	Intermittent	0,004 mg/L	Sediment (Fresh water)	0,092 mg/kg
	Oral	0,1111 g/kg	Sediment (Marine water)	0,0092 mg/kg
Benzyl cinnamate CAS: 103-41-3 EC: 203-109-3	STP	10 mg/L	Fresh water	0 mg/L
	Soil	0,037 mg/kg	Marine water	0 mg/L
	Intermittent	0,004 mg/L	Sediment (Fresh water)	0,188 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,019 mg/kg
3-(4-tert-butylphenyl)propionaldehyde CAS: 18127-01-0 EC: 242-016-2	STP	3,16 mg/L	Fresh water	0,00105 mg/L
	Soil	0,0202 mg/kg	Marine water	0,000105 mg/L
	Intermittent	0,0105 mg/L	Sediment (Fresh water)	0,104 mg/kg
	Oral	0,00017 g/kg	Sediment (Marine water)	0,0104 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

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

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 advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

It is not necessary to take additional emergency measures.

**Environmental exposure controls:**

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

**Volatile organic compounds:**

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

V.O.C. (Supply): 13,58 % weight

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

V.O.C. density at 20 °C:	134,93 kg/m <sup>3</sup> (134,93 g/L)
Average carbon number:	9,8
Average molecular weight:	151,17 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:	Yellowish
Odour:	Characteristic
Odour threshold:	Not relevant *

**Volatility:**

Boiling point at atmospheric pressure:	271 °C
Vapour pressure at 20 °C:	11 Pa
Vapour pressure at 50 °C:	81,16 Pa (0,08 kPa)
Evaporation rate at 20 °C:	Not relevant *

**Product description:**

Density at 20 °C:	994 kg/m <sup>3</sup>
Relative density at 20 °C:	0,972 - 0,992
Dynamic viscosity at 20 °C:	0 mPa·s
Kinematic viscosity at 20 °C:	0 mm <sup>2</sup> /s
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	7
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:	117 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	192 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

**Particle characteristics:**

Median equivalent diameter:	Not relevant *
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**9.2 Other information:**

**Information with regard to physical hazard classes:**

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

\*\* Changes with regards to the previous version

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**ESENCIA 17677**  
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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES \*\* (continued)**

Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *
<b>Other safety characteristics:</b>	
Surface tension at 20 °C:	Not relevant *
Refraction index:	1,497 - 1,517

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

\*\* Changes with regards to the previous version

**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	Precaution	Precaution	Not applicable

**10.5 Incompatible materials:**

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

**10.6 Hazardous decomposition products:**

Contains substances which require external energy for spontaneous decomposition. Form explosive peroxides when distilled, evaporated or otherwise concentrated.

**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: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

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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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.
- 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: d-limonene (3); 2,6-di-tert-butyl-p-cresol (3); Bis(2-ethylhexyl) adipate (3); 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. However, it does 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: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) - single exposure:
 

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. 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. However, it does 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. However, it does 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		
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	LD50 oral	3810 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
Benzyl benzoate CAS: 120-51-4 EC: 204-402-9	LD50 oral	500 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
d-limonene CAS: 5989-27-5 EC: 227-813-5	LD50 oral	4400 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rabbit
	LC50 inhalation		
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	LD50 oral	>6000 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	Rat
	LC50 inhalation		
2,6-dimethyloct-7-en-2-ol CAS: 18479-58-8 EC: 242-362-4	LD50 oral	3600 mg/kg	
	LD50 dermal		
	LC50 inhalation		
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	LD50 oral	2490 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		

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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

Identification	Acute toxicity		Genus
Citronellol CAS: 106-22-9 EC: 203-375-0	LD50 oral	3450 mg/kg	Rat
	LD50 dermal	2650 mg/kg	
	LC50 inhalation		
Undecan-4-olide CAS: 104-67-6 EC: 203-225-4	LD50 oral	18500 mg/kg	Rat
	LD50 dermal		
	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		
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one CAS: 1506-02-1 EC: 216-133-4	LD50 oral	920 mg/kg	Rat
	LD50 dermal	7940 mg/kg	Rabbit
	LC50 inhalation		
2-phenylethanol CAS: 60-12-8 EC: 200-456-2	LD50 oral	1610 mg/kg	Rat
	LD50 dermal	2100 mg/kg	Rabbit
	LC50 inhalation		
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one CAS: 127-51-5 EC: 204-846-3	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rabbit
	LC50 inhalation		
a-methyl-1,3-benzodioxole-5-propionaldehyde CAS: 1205-17-0 EC: 214-881-6	LD50 oral	3550 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
Hexyl salicylate CAS: 6259-76-3 EC: 228-408-6	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
4-methyl-3-decen-5-ol CAS: 81782-77-6 EC: 279-815-0	LD50 oral	8000 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
Benzyl cinnamate CAS: 103-41-3 EC: 203-109-3	LD50 oral	3280 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

Toxic to aquatic life with long lasting effects.

**12.1 Toxicity:**

**Acute toxicity:**

Identification	Concentration	Species	Genus
Benzyl benzoate CAS: 120-51-4 EC: 204-402-9	LC50 >1 - 10 mg/L (96 h)		Fish
	EC50 >1 - 10 mg/L (48 h)		Crustacean
	EC50 >1 - 10 mg/L (72 h)		Algae
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran CAS: 1222-05-5 EC: 214-946-9	LC50 0,95 mg/L (96 h)	Oryzias latipes	Fish
	EC50 0,194 mg/L (48 h)	Daphnia magna	Crustacean
	EC50 0,723 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

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**ESENCIA 17677**  
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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

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
2-phenylethanol	LC50	Not relevant		
CAS: 60-12-8	EC50	330 mg/L (24 h)	Daphnia magna	Crustacean
EC: 200-456-2	EC50	490 mg/L (72 h)	Scenedesmus subspicatus	Algae
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	LC50	Not relevant		
CAS: 63500-71-0	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 405-040-6	EC50	Not relevant		
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 54464-57-2	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 259-174-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
$\alpha$ , $\beta$ ,2,2,3-pentamethylcyclopent-3-ene-1-butanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 65113-99-7	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 265-453-0	EC50	>1 - 10 mg/L (72 h)		Algae
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	LC50	1,428 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 127-51-5	EC50	4,7 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-846-3	EC50	20 mg/L (72 h)	Desmodesmus subspicatus	Algae
3-p-cumenyl-2-methylpropionaldehyde	LC50	1,092 mg/L (96 h)	N/A	Fish
CAS: 103-95-7	EC50	1,4 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-161-7	EC50	3,8 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Benzyl acetate	LC50	Not relevant		
CAS: 140-11-4	EC50	17 mg/L (48 h)	Daphnia magna	Crustacean
EC: 205-399-7	EC50	110 mg/L (72 h)	Desmodesmus subspicatus	Algae
2,6-di-tert-butyl-p-cresol	LC50	>0,57 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 128-37-0	EC50	0,48 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-881-4	EC50	>0,4 mg/L (72 h)	Desmodesmus subspicatus	Algae
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 1506-02-1	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 216-133-4	EC50	>0.1 - 1 mg/L (72 h)		Algae
a-methyl-1,3-benzodioxole-5-propionaldehyde	LC50	5,3 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 1205-17-0	EC50	8 mg/L (48 h)	Daphnia magna	Crustacean
EC: 214-881-6	EC50	28 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
d-limonene	LC50	0,702 mg/L (96 h)	Pimephales promelas	Fish
CAS: 5989-27-5	EC50	0,577 mg/L (48 h)	Daphnia magna	Crustacean
EC: 227-813-5	EC50	Not relevant		
Hexyl salicylate	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 6259-76-3	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 228-408-6	EC50	>0.1 - 1 mg/L (72 h)		Algae
Undecan-4-olide	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 104-67-6	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 203-225-4	EC50	>10 - 100 mg/L (72 h)		Algae
$\beta$ -methyl-3-(1-methylethyl)-benzenepropanal	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 125109-85-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 412-050-4	EC50	>1 - 10 mg/L (72 h)		Algae
4-methyl-3-decen-5-ol	LC50	3 mg/L (96 h)	Pimephales promelas	Fish
CAS: 81782-77-6	EC50	0,4 mg/L (48 h)	Daphnia magna	Crustacean
EC: 279-815-0	EC50	1,4 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Benzyl cinnamate	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 103-41-3	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 203-109-3	EC50	>0.1 - 1 mg/L (72 h)		Algae

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Identification		Concentration	Species	Genus
3-(4-tert-butylphenyl)propionaldehyde	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 18127-01-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 242-016-2	EC50	>10 - 100 mg/L (72 h)		Algae

**Chronic toxicity:**

Identification		Concentration	Species	Genus
3-p-cumenyl-2-methylpropionaldehyde	NOEC	Not relevant		
CAS: 103-95-7 EC: 203-161-7	NOEC	0,71 mg/L	Daphnia magna	Crustacean
Benzyl acetate	NOEC	0,92 mg/L	Oryzias latipes	Fish
CAS: 140-11-4 EC: 205-399-7	NOEC	Not relevant		
2,6-dimethyloct-7-en-2-ol	NOEC	Not relevant		
CAS: 18479-58-8 EC: 242-362-4	NOEC	9,5 mg/L	Daphnia magna	Crustacean
4-methyl-3-decen-5-ol	NOEC	Not relevant		
CAS: 81782-77-6 EC: 279-815-0	NOEC	0,025 mg/L	Daphnia magna	Crustacean

**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	Period 28 days
EC: 201-134-4	BOD5/COD	Not relevant	% Biodegradable 90 %
2-phenylethanol	BOD5	Not relevant	Concentration 100 mg/L
CAS: 60-12-8	COD	Not relevant	Period 14 days
EC: 200-456-2	BOD5/COD	Not relevant	% Biodegradable 87 %
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	BOD5	Not relevant	Concentration 10 mg/L
CAS: 63500-71-0	COD	Not relevant	Period 28 days
EC: 405-040-6	BOD5/COD	Not relevant	% Biodegradable 10 %
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	BOD5	Not relevant	Concentration 4 mg/L
CAS: 127-51-5	COD	Not relevant	Period 28 days
EC: 204-846-3	BOD5/COD	Not relevant	% Biodegradable 42,51 %
3-p-cumenyl-2-methylpropionaldehyde	BOD5	Not relevant	Concentration Not relevant
CAS: 103-95-7	COD	Not relevant	Period 28 days
EC: 203-161-7	BOD5/COD	Not relevant	% Biodegradable 65,5 %
Benzyl acetate	BOD5	Not relevant	Concentration 10 mg/L
CAS: 140-11-4	COD	Not relevant	Period 28 days
EC: 205-399-7	BOD5/COD	Not relevant	% Biodegradable 100 %
2,6-di-tert-butyl-p-cresol	BOD5	Not relevant	Concentration 50 mg/L
CAS: 128-37-0	COD	Not relevant	Period 28 days
EC: 204-881-4	BOD5/COD	Not relevant	% Biodegradable 4,5 %
a-methyl-1,3-benzodioxole-5-propionaldehyde	BOD5	Not relevant	Concentration 100 mg/L
CAS: 1205-17-0	COD	Not relevant	Period 28 days
EC: 214-881-6	BOD5/COD	Not relevant	% Biodegradable 65 %
2,6-dimethyloct-7-en-2-ol	BOD5	Not relevant	Concentration 10 mg/L
CAS: 18479-58-8	COD	Not relevant	Period 28 days
EC: 242-362-4	BOD5/COD	Not relevant	% Biodegradable 72 %
d-limonene	BOD5	Not relevant	Concentration 10 mg/L
CAS: 5989-27-5	COD	Not relevant	Period 28 days
EC: 227-813-5	BOD5/COD	Not relevant	% Biodegradable 71,4 %
4-methyl-3-decen-5-ol	BOD5	Not relevant	Concentration 100 mg/L
CAS: 81782-77-6	COD	Not relevant	Period 28 days
EC: 279-815-0	BOD5/COD	Not relevant	% Biodegradable 73 %

**12.3 Bioaccumulative potential:**

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

**Substance-specific information:**

Identification	Bioaccumulation potential	
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran CAS: 1222-05-5 EC: 214-946-9	BCF	1584
	Pow Log	5.9
	Potential	Very High
Hexyl cinnam-aldehyde CAS: 101-86-0 EC: 202-983-3	BCF	17
	Pow Log	
	Potential	Low
Linalool CAS: 78-70-6 EC: 201-134-4	BCF	
	Pow Log	2.97
	Potential	
2-phenylethanol CAS: 60-12-8 EC: 200-456-2	BCF	6
	Pow Log	1.36
	Potential	Low
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one CAS: 127-51-5 EC: 204-846-3	BCF	
	Pow Log	3.49
	Potential	
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	BCF	102
	Pow Log	3.05
	Potential	High
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	BCF	8
	Pow Log	1.96
	Potential	Low
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	BCF	1365
	Pow Log	5.1
	Potential	Very High
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one CAS: 1506-02-1 EC: 216-133-4	BCF	
	Pow Log	5.7
	Potential	
a-methyl-1,3-benzodioxole-5-propionaldehyde CAS: 1205-17-0 EC: 214-881-6	BCF	
	Pow Log	2.4
	Potential	
d-limonene CAS: 5989-27-5 EC: 227-813-5	BCF	
	Pow Log	4.83
	Potential	
4-methyl-3-decen-5-ol CAS: 81782-77-6 EC: 279-815-0	BCF	412
	Pow Log	3.9
	Potential	High

**12.4 Mobility in soil:**

Identification	Absorption/desorption		Volatility	
Benzyl benzoate CAS: 120-51-4 EC: 204-402-9	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	4,626E-2 N/m (25 °C)	Moist soil	Not relevant
2-phenylethanol CAS: 60-12-8 EC: 200-456-2	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	3,807E-2 N/m (25 °C)	Moist soil	Not relevant
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	Koc	42	Henry	1,71E-3 Pa·m³/mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one CAS: 127-51-5 EC: 204-846-3	Koc	3061.96	Henry	Not relevant
	Conclusion	Low	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Identification	Absorption/desorption			Volatility
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	3,558E-2 N/m (25 °C)	Moist soil	Not relevant
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	Koc	8183	Henry	3,42E-1 Pa·m <sup>3</sup> /mol
	Conclusion	Immobile	Dry soil	Yes
	Surface tension	1,255E-2 N/m (258,85 °C)	Moist soil	Yes
a-methyl-1,3-benzodioxole-5-propionaldehyde CAS: 1205-17-0 EC: 214-881-6	Koc	71	Henry	Not relevant
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
d-limonene CAS: 5989-27-5 EC: 227-813-5	Koc	6324	Henry	2533,13 Pa·m <sup>3</sup> /mol
	Conclusion	Immobile	Dry soil	Yes
	Surface tension	2,675E-2 N/m (25 °C)	Moist soil	Yes
4-methyl-3-decen-5-ol CAS: 81782-77-6 EC: 279-815-0	Koc	1175	Henry	Not relevant
	Conclusion	Low	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

**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)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Hazardous

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

HP14 Ecotoxic, HP4 Irritant — skin irritation and eye damage

**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**

**Transport of dangerous goods by land:**

With regard to ADR 2023 and RID 2023:

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**SECTION 14: TRANSPORT INFORMATION (continued)**



- 14.1 UN number or ID number:** UN3082  
**14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate)  
**14.3 Transport hazard class(es):** 9  
**Labels:** 9  
**14.4 Packing group:** III  
**14.5 Environmental hazards:** Yes  
**14.6 Special precautions for user**  
 Special regulations: 274, 335, 375, 601  
 Tunnel restriction code: -  
 Physico-Chemical properties: see section 9  
 Limited quantities: 5 L  
**14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

**Transport of dangerous goods by sea:**

With regard to IMDG 41-22:



- 14.1 UN number or ID number:** UN3082  
**14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate)  
**14.3 Transport hazard class(es):** 9  
**Labels:** 9  
**14.4 Packing group:** III  
**14.5 Marine pollutant:** Yes  
**14.6 Special precautions for user**  
 Special regulations: 335, 969, 274  
 EmS Codes: F-A, S-F  
 Physico-Chemical properties: see section 9  
 Limited quantities: 5 L  
 Segregation group: Not relevant  
**14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2024:



- 14.1 UN number or ID number:** UN3082  
**14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate)  
**14.3 Transport hazard class(es):** 9  
**Labels:** 9  
**14.4 Packing group:** III  
**14.5 Environmental hazards:** Yes  
**14.6 Special precautions for user**  
 Physico-Chemical properties: see section 9  
**14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

**SECTION 15: REGULATORY INFORMATION**

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

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**SECTION 15: REGULATORY INFORMATION (continued)**

- Article 95, REGULATION (EU) No 528/2012: *benzyl alcohol (100-51-6) - PT: (6)*
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) No 2024/590, 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:**

Section	Description	Lower-tier requirements	Upper-tier requirements
E2	ENVIRONMENTAL HAZARDS	200	500

**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.:**

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Hazard statements

Information on basic physical and chemical properties (SECTION 9):

- Flash Point

**Texts of the legislative phrases mentioned in section 2:**

- H317: May cause an allergic skin reaction.
- H315: Causes skin irritation.
- H411: Toxic to aquatic life with long lasting effects.
- H302: Harmful if swallowed.
- H319: Causes serious eye irritation.

**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:**

\*\* Changes with regards to the previous version

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**SECTION 16: OTHER INFORMATION \*\* (continued)**

Acute Tox. 4: H302 - Harmful if swallowed.  
Aquatic Acute 1: H400 - Very toxic to aquatic life.  
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.  
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.  
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.  
Eye Irrit. 2: H319 - Causes serious eye irritation.  
Flam. Liq. 3: H226 - Flammable liquid and vapour.  
Repr. 2: H361 - Suspected of damaging fertility or the unborn child.  
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.  
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).  
STOT SE 3: H336 - May cause drowsiness or dizziness.

**Classification procedure:**

Skin Sens. 1B: Calculation method  
Skin Irrit. 2: Calculation method  
Aquatic Chronic 2: Calculation method  
Acute Tox. 4: Calculation method  
Eye Irrit. 2: 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

*\*\* Changes with regards to the previous version*

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 -