ESENCIA 8201
ART. COMERCIAL LAVENDER

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

1.1 Product identifier: ESENCIA 8201
ART. COMERCIAL LAVENDER

Other means of identification:

UFI: FY6C-80SR-A00C-UJ1G

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
www.essentialcompositions.com

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.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Repr. 1B: Reproductive toxicity, Category 1B , H360Fd
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger

Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Repr. 1B: H360Fd - May damage fertility. Suspected of damaging the unborn child.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: 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.
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.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains Lavender, Lavandula hybrida grosso, oil, Linalyl acetate, Linalool, Cineole, Coumarin, Allyl 3-cyclohexylpropionate, Clove, ext., Basil oil (estragol type), Lemon, oil, Oak moss extract, Citronellyl formate, Benzyl salicylate.

*** Changes with regards to the previous version*

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SECTION 2: HAZARDS IDENTIFICATION ** (continued)

Substances that contribute to the classification

Diphenyl ether; Hydroxy-methylpentylcyclohexenecarboxaldehyde

Additional Labelling:

Restricted to professional users

UFI: FY6C-80SR-A00C-UJ1G

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: 93455-97-1 EC: 297-385-2 Index: Not relevant REACH: Not relevant	**Lavender, Lavandula hybrida grosso, oil**(1)	Self-classified	**10 - <15 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Skin Sens. 1: H317 - Warning 	
CAS: 115-95-7 EC: 204-116-4 Index: Not relevant REACH: 01-2119454789-19-XXXX	**Linalyl acetate**(1)	Self-classified	**5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning 	
CAS: 78-70-6 EC: 201-134-4 Index: 603-235-00-2 REACH: 01-2119474016-42-XXXX	**Linalool**(1)	Self-classified	**5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; 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	**Benzyl acetate**(1)	Self-classified	**2,5 - <5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412	
CAS: 18479-58-8 EC: 242-362-4 Index: Not relevant REACH: 01-2119457274-37-XXXX	**2,6-dimethyloct-7-en-2-ol**(1)	Self-classified	**2,5 - <5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H336 - Warning 	
CAS: 76-22-2 EC: 200-945-0 Index: Not relevant REACH: 01-2119966156-31-XXXX	**Bornan-2-one**(1)	Self-classified	**1 - <2,5 %**
	Regulation 1272/2008	Acute Tox. 4: H332; Eye Dam. 1: H318; Flam. Sol. 2: H228; Skin Irrit. 2: H315; STOT SE 2: H371 - Danger 	
CAS: 470-82-6 EC: 207-431-5 Index: Not relevant REACH: 01-2119967772-24-XXXX	**Cineole**(1)	Self-classified	**1 - <2,5 %**
	Regulation 1272/2008	Flam. Liq. 3: H226; Skin Sens. 1B: H317 - Warning 	
CAS: 91-64-5 EC: 202-086-7 Index: Not relevant REACH: 01-2119949300-45-XXXX	**Coumarin**(1)	Self-classified	**1 - <2,5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 3: H412; Skin Sens. 1: H317 - Warning 	

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

*** Changes with regards to the previous version*

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

Identification	Chemical name/Classification		Concentration
CAS: 2705-87-5 EC: 220-292-5 Index: Not relevant REACH: 01-2119976355-27-XXXX	**Allyl 3-cyclohexylpropionate**(1)	Self-classified	**1 - <2,5 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H312; Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Skin Sens. 1B: H317 - Warning	
CAS: 98-55-5 EC: 202-680-6 Index: Not relevant REACH: 01-2119980717-23-XXXX	**P-menth-1-en-8-ol**(1)	Self-classified	**1 - <2,5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 127-51-5 EC: 204-846-3 Index: Not relevant REACH: 01-2120138569-45-XXXX	**3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one**(1)	Self-classified	**1 - <2,5 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411	
CAS: 84961-50-2 EC: 284-638-7 Index: Not relevant REACH: Not relevant	**Clove, ext.**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Asp. Tox. 1: H304; Eye Irrit. 2: H319; Skin Sens. 1: H317 - Danger	
CAS: 84775-71-3 EC: 283-900-8 Index: Not relevant REACH: 01-2120769891-39-XXXX	**Basil oil (estragol type)**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Carc. 2: H351; Eye Irrit. 2: H319; Muta. 2: H341; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 101-84-8 EC: 202-981-2 Index: Not relevant REACH: 01-2119472545-33-XXXX	**Diphenyl ether**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Repr. 1B: H360Fd - Danger	
CAS: 84929-31-7 EC: 284-515-8 Index: Not relevant REACH: 01-2119495512-35-XXXX	**Lemon, oil**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger	
CAS: 67634-00-8 EC: 266-803-5 Index: Not relevant REACH: 01-2120795456-39-XXXX	**Allyl (3-methylbutoxy)acetate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H312; Aquatic Acute 1: H400; STOT RE 2: H373 - Warning	
CAS: 128-37-0 EC: 204-881-4 Index: Not relevant REACH: 01-2119565113-46-XXXX	**2,6-di-tert-butyl-p-cresol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning	
CAS: 90028-68-5 EC: 289-861-3 Index: Not relevant REACH: 01-2120762419-46-XXXX	**Oak moss extract**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Skin Sens. 1: H317 - Warning	
CAS: 105-85-1 EC: 203-338-9 Index: Not relevant REACH: 01-2120132106-71-XXXX	**Citronellyl formate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 118-58-1 EC: 204-262-9 Index: 607-754-00-5 REACH: 01-2119969442-31-XXXX	**Benzyl salicylate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Sens. 1B: H317 - Warning	
CAS: 16409-43-1 EC: 240-457-5 Index: Not relevant REACH: 01-2119976300-42-XXXX	**(z)-rose oxide**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Repr. 2: H361; Skin Irrit. 2: H315 - Warning	
CAS: 31906-04-4 EC: 250-863-4 Index: 605-040-00-8 REACH: Not relevant	**Hydroxy-methylpentylcyclohexenecarboxaldehyde**(1)	ATP ATP09	**<1 %**
	Regulation 1272/2008	Skin Sens. 1A: 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.

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:

*** Changes with regards to the previous version*

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

Identification	Acute toxicity		Genus
Allyl (3-methylbutoxy)acetate CAS: 67634-00-8 EC: 266-803-5	LD50 oral	500 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	1,867 mg/L *	
Coumarin CAS: 91-64-5 EC: 202-086-7	LD50 oral	500 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	Not relevant	
Allyl 3-cyclohexylpropionate CAS: 2705-87-5 EC: 220-292-5	LD50 oral	585 mg/kg	Rat
	LD50 dermal	1600 mg/kg	Rabbit
	LC50 inhalation vapour	Not relevant	
Bornan-2-one CAS: 76-22-2 EC: 200-945-0	LD50 oral	Not relevant	
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	11 mg/L	

* Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

*** 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.

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:

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

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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

It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

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SECTION 7: HANDLING AND STORAGE (continued)

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. 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 ºC

Maximum Temp.: 30 ºC

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):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
Diphenyl ether	IOELV (8h)	1 ppm	7 mg/m³
CAS: 101-84-8 EC: 202-981-2	IOELV (STEL)	2 ppm	14 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Linalyl acetate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 115-95-7	Dermal	Not relevant	Not relevant	2,5 mg/kg	Not relevant
EC: 204-116-4	Inhalation	Not relevant	Not relevant	2,75 mg/m³	Not relevant
Linalool	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 78-70-6	Dermal	Not relevant	Not relevant	3,5 mg/kg	Not relevant
EC: 201-134-4	Inhalation	Not relevant	Not relevant	24,58 mg/m³	Not relevant
Benzyl acetate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 140-11-4	Dermal	Not relevant	Not relevant	2,5 mg/kg	Not relevant
EC: 205-399-7	Inhalation	Not relevant	Not relevant	9 mg/m³	Not relevant
2,6-dimethyloct-7-en-2-ol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 18479-58-8	Dermal	Not relevant	Not relevant	20,8 mg/kg	Not relevant
EC: 242-362-4	Inhalation	Not relevant	Not relevant	73,5 mg/m³	Not relevant
Bornan-2-one	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 76-22-2	Dermal	Not relevant	Not relevant	10 mg/kg	Not relevant
EC: 200-945-0	Inhalation	Not relevant	Not relevant	17,632 mg/m³	Not relevant
Cineole	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 470-82-6	Dermal	Not relevant	Not relevant	2 mg/kg	Not relevant
EC: 207-431-5	Inhalation	Not relevant	Not relevant	7,05 mg/m³	Not relevant

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Coumarin	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 91-64-5	Dermal	Not relevant	Not relevant	0,79 mg/kg	Not relevant
EC: 202-086-7	Inhalation	Not relevant	Not relevant	6,78 mg/m³	Not relevant
Allyl 3-cyclohexylpropionate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 2705-87-5	Dermal	Not relevant	Not relevant	4,3 mg/kg	Not relevant
EC: 220-292-5	Inhalation	Not relevant	Not relevant	15 mg/m³	Not relevant
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 127-51-5	Dermal	Not relevant	Not relevant	0,375 mg/kg	Not relevant
EC: 204-846-3	Inhalation	Not relevant	Not relevant	8,22 mg/m³	Not relevant
Diphenyl ether	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 101-84-8	Dermal	Not relevant	Not relevant	25 mg/kg	Not relevant
EC: 202-981-2	Inhalation	Not relevant	14 mg/m³	59 mg/m³	7 mg/m³
Lemon, oil	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 84929-31-7	Dermal	Not relevant	Not relevant	6,67 mg/kg	Not relevant
EC: 284-515-8	Inhalation	Not relevant	Not relevant	23,3 mg/m³	Not relevant
Allyl (3-methylbutoxy)acetate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 67634-00-8	Dermal	Not relevant	Not relevant	1,4 mg/kg	Not relevant
EC: 266-803-5	Inhalation	Not relevant	Not relevant	4,93 mg/m³	Not relevant
2,6-di-tert-butyl-p-cresol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 128-37-0	Dermal	Not relevant	Not relevant	0,5 mg/kg	Not relevant
EC: 204-881-4	Inhalation	Not relevant	Not relevant	3,5 mg/m³	Not relevant
Citronellyl formate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 105-85-1	Dermal	Not relevant	Not relevant	1,4 mg/kg	Not relevant
EC: 203-338-9	Inhalation	Not relevant	Not relevant	4,94 mg/m³	Not relevant
Benzyl salicylate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 118-58-1	Dermal	Not relevant	Not relevant	2,21 mg/kg	Not relevant
EC: 204-262-9	Inhalation	Not relevant	Not relevant	7,8 mg/m³	Not relevant
(z)-rose oxide	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 16409-43-1	Dermal	Not relevant	Not relevant	0,3 mg/kg	Not relevant
EC: 240-457-5	Inhalation	Not relevant	Not relevant	1,2 mg/m³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Linalyl acetate	Oral	Not relevant	Not relevant	0,2 mg/kg	Not relevant
CAS: 115-95-7	Dermal	Not relevant	Not relevant	1,25 mg/kg	Not relevant
EC: 204-116-4	Inhalation	Not relevant	Not relevant	0,68 mg/m³	Not relevant
Linalool	Oral	Not relevant	Not relevant	2,49 mg/kg	Not relevant
CAS: 78-70-6	Dermal	Not relevant	Not relevant	1,25 mg/kg	Not relevant
EC: 201-134-4	Inhalation	Not relevant	Not relevant	4,33 mg/m³	Not relevant
Benzyl acetate	Oral	Not relevant	Not relevant	1,3 mg/kg	Not relevant
CAS: 140-11-4	Dermal	Not relevant	Not relevant	1,3 mg/kg	Not relevant
EC: 205-399-7	Inhalation	Not relevant	Not relevant	2,2 mg/m³	Not relevant
2,6-dimethyloct-7-en-2-ol	Oral	Not relevant	Not relevant	12,5 mg/kg	Not relevant
CAS: 18479-58-8	Dermal	Not relevant	Not relevant	12,5 mg/kg	Not relevant
EC: 242-362-4	Inhalation	Not relevant	Not relevant	21,7 mg/m³	Not relevant
Bornan-2-one	Oral	Not relevant	Not relevant	5 mg/kg	Not relevant
CAS: 76-22-2	Dermal	Not relevant	Not relevant	5 mg/kg	Not relevant
EC: 200-945-0	Inhalation	Not relevant	Not relevant	4,348 mg/m³	Not relevant

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Cineole	Oral	Not relevant	Not relevant	600 mg/kg	Not relevant
CAS: 470-82-6	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
EC: 207-431-5	Inhalation	Not relevant	Not relevant	1,74 mg/m³	Not relevant
Coumarin	Oral	Not relevant	Not relevant	0,39 mg/kg	Not relevant
CAS: 91-64-5	Dermal	Not relevant	Not relevant	0,39 mg/kg	Not relevant
EC: 202-086-7	Inhalation	Not relevant	Not relevant	1,69 mg/m³	Not relevant
Allyl 3-cyclohexylpropionate	Oral	Not relevant	Not relevant	2,1 mg/kg	Not relevant
CAS: 2705-87-5	Dermal	Not relevant	Not relevant	2,1 mg/kg	Not relevant
EC: 220-292-5	Inhalation	Not relevant	Not relevant	3,7 mg/m³	Not relevant
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Oral	Not relevant	Not relevant	0,0355 mg/kg	Not relevant
CAS: 127-51-5	Dermal	Not relevant	Not relevant	0,0446 mg/kg	Not relevant
EC: 204-846-3	Inhalation	Not relevant	Not relevant	1,45 mg/m³	Not relevant
Lemon, oil	Oral	Not relevant	Not relevant	3,33 mg/kg	Not relevant
CAS: 84929-31-7	Dermal	Not relevant	Not relevant	3,33 mg/kg	Not relevant
EC: 284-515-8	Inhalation	Not relevant	Not relevant	5,8 mg/m³	Not relevant
Allyl (3-methylbutoxy)acetate	Oral	Not relevant	Not relevant	0,5 mg/kg	Not relevant
CAS: 67634-00-8	Dermal	Not relevant	Not relevant	0,5 mg/kg	Not relevant
EC: 266-803-5	Inhalation	Not relevant	Not relevant	0,87 mg/m³	Not relevant
2,6-di-tert-butyl-p-cresol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 128-37-0	Dermal	Not relevant	Not relevant	0,25 mg/kg	Not relevant
EC: 204-881-4	Inhalation	Not relevant	Not relevant	0,86 mg/m³	Not relevant
Citronellyl formate	Oral	Not relevant	Not relevant	0,5 mg/kg	Not relevant
CAS: 105-85-1	Dermal	Not relevant	Not relevant	0,5 mg/kg	Not relevant
EC: 203-338-9	Inhalation	Not relevant	Not relevant	0,87 mg/m³	Not relevant
Benzyl salicylate	Oral	Not relevant	Not relevant	0,79 mg/kg	Not relevant
CAS: 118-58-1	Dermal	Not relevant	Not relevant	0,79 mg/kg	Not relevant
EC: 204-262-9	Inhalation	Not relevant	Not relevant	1,37 mg/m³	Not relevant
(z)-rose oxide	Oral	Not relevant	Not relevant	0,2 mg/kg	Not relevant
CAS: 16409-43-1	Dermal	Not relevant	Not relevant	0,2 mg/kg	Not relevant
EC: 240-457-5	Inhalation	Not relevant	Not relevant	0,3 mg/m³	Not relevant

PNEC:

Identification				
Linalyl acetate	STP	1 mg/L	Fresh water	0,011 mg/L
CAS: 115-95-7	Soil	0,115 mg/kg	Marine water	0,001 mg/L
EC: 204-116-4	Intermittent	0,11 mg/L	Sediment (Fresh water)	0,609 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,061 mg/kg
Linalool	STP	10 mg/L	Fresh water	0,2 mg/L
CAS: 78-70-6	Soil	0,327 mg/kg	Marine water	0,02 mg/L
EC: 201-134-4	Intermittent	2 mg/L	Sediment (Fresh water)	2,22 mg/kg
	Oral	0,0078 g/kg	Sediment (Marine water)	0,222 mg/kg
Benzyl acetate	STP	8,55 mg/L	Fresh water	0,018 mg/L
CAS: 140-11-4	Soil	0,094 mg/kg	Marine water	0,002 mg/L
EC: 205-399-7	Intermittent	0,04 mg/L	Sediment (Fresh water)	0,526 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,053 mg/kg
2,6-dimethyloct-7-en-2-ol	STP	10 mg/L	Fresh water	0,0278 mg/L
CAS: 18479-58-8	Soil	0,103 mg/kg	Marine water	0,00278 mg/L
EC: 242-362-4	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				
Bornan-2-one	STP	1 mg/L	Fresh water	0,00171 mg/L
CAS: 76-22-2	Soil	0,013 mg/kg	Marine water	0,000171 mg/L
EC: 200-945-0	Intermittent	0,0171 mg/L	Sediment (Fresh water)	0,139 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,017 mg/kg
Cineole	STP	10 mg/L	Fresh water	0,057 mg/L
CAS: 470-82-6	Soil	0,25 mg/kg	Marine water	0,0057 mg/L
EC: 207-431-5	Intermittent	0,57 mg/L	Sediment (Fresh water)	1,425 mg/kg
	Oral	0,04 g/kg	Sediment (Marine water)	0,142 mg/kg
Coumarin	STP	6,4 mg/L	Fresh water	0,019 mg/L
CAS: 91-64-5	Soil	0,018 mg/kg	Marine water	0,0019 mg/L
EC: 202-086-7	Intermittent	0,0142 mg/L	Sediment (Fresh water)	0,15 mg/kg
	Oral	0,0307 g/kg	Sediment (Marine water)	0,015 mg/kg
Allyl 3-cyclohexylpropionate	STP	0,2 mg/L	Fresh water	0,00013 mg/L
CAS: 2705-87-5	Soil	0,00475 mg/kg	Marine water	0,000013 mg/L
EC: 220-292-5	Intermittent	0,0013 mg/L	Sediment (Fresh water)	0,02413 mg/kg
	Oral	0,143 g/kg	Sediment (Marine water)	0,002413 mg/kg
P-menth-1-en-8-ol	STP	2,6 mg/L	Fresh water	0,068 mg/L
CAS: 98-55-5	Soil	0,329 mg/kg	Marine water	0,0068 mg/L
EC: 202-680-6	Intermittent	Not relevant	Sediment (Fresh water)	1,85 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,185 mg/kg
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	STP	10 mg/L	Fresh water	0,00143 mg/L
CAS: 127-51-5	Soil	0,0878 mg/kg	Marine water	0,000143 mg/L
EC: 204-846-3	Intermittent	0,0143 mg/L	Sediment (Fresh water)	0,443 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,0443 mg/kg
Diphenyl ether	STP	10 mg/L	Fresh water	0 mg/L
CAS: 101-84-8	Soil	0,018 mg/kg	Marine water	0 mg/L
EC: 202-981-2	Intermittent	0,005 mg/L	Sediment (Fresh water)	0,093 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,009 mg/kg
Lemon, oil	STP	2,1 mg/L	Fresh water	0,0054 mg/L
CAS: 84929-31-7	Soil	0,29 mg/kg	Marine water	0,00054 mg/L
EC: 284-515-8	Intermittent	0,00577 mg/L	Sediment (Fresh water)	1,3 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,13 mg/kg
Allyl (3-methylbutoxy)acetate	STP	Not relevant	Fresh water	0,00077 mg/L
CAS: 67634-00-8	Soil	0,00133 mg/kg	Marine water	0,000077 mg/L
EC: 266-803-5	Intermittent	0,0077 mg/L	Sediment (Fresh water)	0,00893 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,000893 mg/kg
2,6-di-tert-butyl-p-cresol	STP	0,17 mg/L	Fresh water	0,000199 mg/L
CAS: 128-37-0	Soil	0,04769 mg/kg	Marine water	0,00002 mg/L
EC: 204-881-4	Intermittent	0,00199 mg/L	Sediment (Fresh water)	0,0996 mg/kg
	Oral	0,00833 g/kg	Sediment (Marine water)	0,00996 mg/kg
Citronellyl formate	STP	2,24 mg/L	Fresh water	0,0013 mg/L
CAS: 105-85-1	Soil	0,01789 mg/kg	Marine water	0,00013 mg/L
EC: 203-338-9	Intermittent	0,013 mg/L	Sediment (Fresh water)	0,09355 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,00935 mg/kg
Benzyl salicylate	STP	10 mg/L	Fresh water	0,001 mg/L
CAS: 118-58-1	Soil	1,41 mg/kg	Marine water	0 mg/L
EC: 204-262-9	Intermittent	0,01 mg/L	Sediment (Fresh water)	0,583 mg/kg
	Oral	0,0527 g/kg	Sediment (Marine water)	0,058 mg/kg
(z)-rose oxide	STP	10 mg/L	Fresh water	0,0332 mg/L
CAS: 16409-43-1	Soil	0,437 mg/kg	Marine water	0,00332 mg/L
EC: 240-457-5	Intermittent	0,332 mg/L	Sediment (Fresh water)	2,29 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,229 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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):	14,01 % weight
V.O.C. density at 20 ºC:	141,86 kg/m³ (141,86 g/L)
Average carbon number:	9,76
Average molecular weight:	153,55 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 ºC:	Liquid
Appearance:	Characteristic
Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	257 ºC
Vapour pressure at 20 ºC:	11 Pa
Vapour pressure at 50 ºC:	82,97 Pa (0,08 kPa)
Evaporation rate at 20 ºC:	Not relevant *

Product description:

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

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Density at 20 ºC:	1012,6 kg/m³
Relative density at 20 ºC:	1,002 - 1,022
Dynamic viscosity at 20 ºC:	38,65 mPa·s
Kinematic viscosity at 20 ºC:	38,17 mm²/s
Kinematic viscosity at 40 ºC:	Not relevant *
Concentration:	Not relevant *
pH:	7
Vapour density at 20 ºC:	Not relevant *
Partition coefficient n-octanol/water 20 ºC:	Not relevant *
Solubility in water at 20 ºC:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *
Flammability:	
Flash Point:	129 ºC
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	235 ºC
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *
Particle characteristics:	
Median equivalent diameter:	Not relevant *

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 ºC:	Not relevant *
Refraction index:	1,474 - 1,494

*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
Precaution	Not applicable	Precaution	Precaution	Not applicable

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SECTION 10: STABILITY AND REACTIVITY (continued)

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: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- 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. However, it contains 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: 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. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.
  IARC: Benzyl acetate (3); 2,6-di-tert-butyl-p-cresol (3); Coumarin (3); d-limonene (3); 7-methyl-3-methyleneocta-1,6-diene (2B)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: May damage fertility. Suspected of damaging the unborn child.

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 which are classified as dangerous due to repetitive exposure. 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:

*** Changes with regards to the previous version*

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SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

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
P-menth-1-en-8-ol CAS: 98-55-5 EC: 202-680-6	LD50 oral	4300 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation		
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	LD50 oral	2490 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
Linalyl acetate CAS: 115-95-7 EC: 204-116-4	LD50 oral	14500 mg/kg	Rat
	LD50 dermal	5610 mg/kg	Rabbit
	LC50 inhalation		
Coumarin CAS: 91-64-5 EC: 202-086-7	LD50 oral	500 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	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		
Cineole CAS: 470-82-6 EC: 207-431-5	LD50 oral	2480 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
Linalool CAS: 78-70-6 EC: 201-134-4	LD50 oral	3000 mg/kg	Rat
	LD50 dermal	5610 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		
Allyl 3-cyclohexylpropionate CAS: 2705-87-5 EC: 220-292-5	LD50 oral	585 mg/kg	Rat
	LD50 dermal	1600 mg/kg	Rabbit
	LC50 inhalation		
Bornan-2-one CAS: 76-22-2 EC: 200-945-0	LD50 oral		
	LD50 dermal		
	LC50 inhalation vapour	11 mg/L	
	LC50 inhalation dust	1,5 mg/L	
	LC50 inhalation mist	1,5 mg/L	
Basil oil (estragol type) CAS: 84775-71-3 EC: 283-900-8	LD50 oral	1300 mg/kg	
	LD50 dermal		
	LC50 inhalation		
Diphenyl ether CAS: 101-84-8 EC: 202-981-2	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	7940 mg/kg	Rabbit
	LC50 inhalation		
Lemon, oil CAS: 84929-31-7 EC: 284-515-8	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	10000 mg/kg	Rabbit
	LC50 inhalation		
Allyl (3-methylbutoxy)acetate CAS: 67634-00-8 EC: 266-803-5	LD50 oral	500 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	0,63 mg/L (0 h)	
	LC50 inhalation mist	0,46 mg/L	Rat

*** Changes with regards to the previous version*

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SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

Identification	Acute toxicity		Genus
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		
Citronellyl formate CAS: 105-85-1 EC: 203-338-9	LD50 oral	6800 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	LD50 oral	2200 mg/kg	Rat
	LD50 dermal	14150 mg/kg	Rabbit
	LC50 inhalation		
(z)-rose oxide CAS: 16409-43-1 EC: 240-457-5	LD50 oral	4300 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

*** Changes with regards to the previous version*

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
Lavender, Lavandula hybrida grosso, oil	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 93455-97-1	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 297-385-2	EC50	>10 - 100 mg/L (72 h)		Algae
Linalyl acetate	LC50	11 mg/L (96 h)	Cyprinus carpio	Fish
CAS: 115-95-7	EC50	15 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-116-4	EC50	62 mg/L (72 h)	Desmodesmus subspicatus	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
Bornan-2-one	LC50	110 mg/L (96 h)	Pimephales promelas	Fish
CAS: 76-22-2	EC50	4,2 mg/L (48 h)	Daphnia magna	Crustacean
EC: 200-945-0	EC50	1,71 mg/L (72 h)	N/A	Algae
Coumarin	LC50	Not relevant		
CAS: 91-64-5	EC50	30 mg/L (48 h)	Daphnia magna	Crustacean
EC: 202-086-7	EC50	Not relevant		
Allyl 3-cyclohexylpropionate	LC50	0,13 mg/L (96 h)	Pimephales promelas	Fish
CAS: 2705-87-5	EC50	3,8 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-292-5	EC50	3 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
P-menth-1-en-8-ol	LC50	10 mg/L (96 h)	Salmo gairdneri	Fish
CAS: 98-55-5	EC50	Not relevant		
EC: 202-680-6	EC50	Not relevant		

*** Changes with regards to the previous version*

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification		Concentration	Species	Genus
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
Basil oil (estragol type)	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 84775-71-3	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 283-900-8	EC50	>1 - 10 mg/L (72 h)		Algae
Diphenyl ether	LC50	13 mg/L (96 h)	Pimephales promelas	Fish
CAS: 101-84-8	EC50	Not relevant		
EC: 202-981-2	EC50	Not relevant		
Lemon, oil	LC50	Not relevant		
CAS: 84929-31-7	EC50	Not relevant		
EC: 284-515-8	EC50	8 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Allyl (3-methylbutoxy)acetate	LC50	0,77 mg/L (96 h)	N/A	Fish
CAS: 67634-00-8	EC50	5,09 mg/L (48 h)	Daphnia magna	Crustacean
EC: 266-803-5	EC50	2,06 mg/L (72 h)	Pseudokirchneriella subcapitata	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
Citronellyl formate	LC50	1,3 mg/L (96 h)	Danio rerio	Fish
CAS: 105-85-1	EC50	7,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-338-9	EC50	3,1 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Benzyl salicylate	LC50	1,03 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 118-58-1	EC50	1,2 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-262-9	EC50	1,3 mg/L (72 h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Identification		Concentration	Species	Genus
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

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
Linalyl acetate	BOD5	Not relevant	Concentration	81 mg/L
CAS: 115-95-7	COD	Not relevant	Period	28 days
EC: 204-116-4	BOD5/COD	Not relevant	% Biodegradable	80 %
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 %
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-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 %
Bornan-2-one	BOD5	Not relevant	Concentration	100 mg/L
CAS: 76-22-2	COD	Not relevant	Period	28 days
EC: 200-945-0	BOD5/COD	Not relevant	% Biodegradable	94 %
Coumarin	BOD5	Not relevant	Concentration	100 mg/L
CAS: 91-64-5	COD	Not relevant	Period	14 days
EC: 202-086-7	BOD5/COD	Not relevant	% Biodegradable	100 %

*** Changes with regards to the previous version*

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification	Degradability		Biodegradability	
Allyl 3-cyclohexylpropionate	BOD5	Not relevant	Concentration	5 mg/L
CAS: 2705-87-5	COD	Not relevant	Period	28 days
EC: 220-292-5	BOD5/COD	Not relevant	% Biodegradable	86 %
P-menth-1-en-8-ol	BOD5	Not relevant	Concentration	100 mg/L
CAS: 98-55-5	COD	Not relevant	Period	14 days
EC: 202-680-6	BOD5/COD	Not relevant	% Biodegradable	84,6 %
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 %
Diphenyl ether	BOD5	Not relevant	Concentration	5.6 mg/L
CAS: 101-84-8	COD	Not relevant	Period	20 days
EC: 202-981-2	BOD5/COD	Not relevant	% Biodegradable	76 %
Allyl (3-methylbutoxy)acetate	BOD5	Not relevant	Concentration	240 mg/L
CAS: 67634-00-8	COD	Not relevant	Period	13 days
EC: 266-803-5	BOD5/COD	Not relevant	% Biodegradable	78 %
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 %
Citronellyl formate	BOD5	Not relevant	Concentration	22 mg/L
CAS: 105-85-1	COD	Not relevant	Period	28 days
EC: 203-338-9	BOD5/COD	Not relevant	% Biodegradable	88 %
Benzyl salicylate	BOD5	Not relevant	Concentration	100 mg/L
CAS: 118-58-1	COD	Not relevant	Period	28 days
EC: 204-262-9	BOD5/COD	Not relevant	% Biodegradable	93 %
Hydroxy-methylpentylcyclohexenecarboxaldehyde	BOD5	Not relevant	Concentration	100 mg/L
CAS: 31906-04-4	COD	Not relevant	Period	28 days
EC: 250-863-4	BOD5/COD	Not relevant	% Biodegradable	66 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Linalyl acetate	BCF	174
CAS: 115-95-7	Pow Log	3.9
EC: 204-116-4	Potential	High
Linalool	BCF	
CAS: 78-70-6	Pow Log	2.97
EC: 201-134-4	Potential	
Benzyl acetate	BCF	8
CAS: 140-11-4	Pow Log	1.96
EC: 205-399-7	Potential	Low
Bornan-2-one	BCF	38
CAS: 76-22-2	Pow Log	2.38
EC: 200-945-0	Potential	Moderate
Cineole	BCF	
CAS: 470-82-6	Pow Log	2.74
EC: 207-431-5	Potential	
Coumarin	BCF	10
CAS: 91-64-5	Pow Log	1.39
EC: 202-086-7	Potential	Low
Allyl 3-cyclohexylpropionate	BCF	860
CAS: 2705-87-5	Pow Log	4.28
EC: 220-292-5	Potential	High

*** Changes with regards to the previous version*

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification	Bioaccumulation potential	
P-menth-1-en-8-ol	BCF	110
CAS: 98-55-5	Pow Log	2.98
EC: 202-680-6	Potential	High
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	BCF	
CAS: 127-51-5	Pow Log	3.49
EC: 204-846-3	Potential	
Diphenyl ether	BCF	196
CAS: 101-84-8	Pow Log	4.21
EC: 202-981-2	Potential	High
Allyl (3-methylbutoxy)acetate	BCF	
CAS: 67634-00-8	Pow Log	1.85
EC: 266-803-5	Potential	
2,6-di-tert-butyl-p-cresol	BCF	1365
CAS: 128-37-0	Pow Log	5.1
EC: 204-881-4	Potential	Very High
Benzyl salicylate	BCF	311
CAS: 118-58-1	Pow Log	4
EC: 204-262-9	Potential	High
Hydroxy-methylpentylcyclohexenecarboxaldehyde	BCF	
CAS: 31906-04-4	Pow Log	2.53
EC: 250-863-4	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Linalyl acetate	Koc	518	Henry	177 Pa·m³/mol
CAS: 115-95-7	Conclusion	Low	Dry soil	Yes
EC: 204-116-4	Surface tension	Not relevant	Moist soil	Yes
Benzyl acetate	Koc	Not relevant	Henry	Not relevant
CAS: 140-11-4	Conclusion	Not relevant	Dry soil	Not relevant
EC: 205-399-7	Surface tension	3,558E-2 N/m (25 ºC)	Moist soil	Not relevant
Bornan-2-one	Koc	470	Henry	8,21 Pa·m³/mol
CAS: 76-22-2	Conclusion	Moderate	Dry soil	Not relevant
EC: 200-945-0	Surface tension	1,53E-3 N/m (307,98 ºC)	Moist soil	Yes
Cineole	Koc	Not relevant	Henry	Not relevant
CAS: 470-82-6	Conclusion	Not relevant	Dry soil	Not relevant
EC: 207-431-5	Surface tension	3,24E-2 N/m (25 ºC)	Moist soil	Not relevant
Coumarin	Koc	42	Henry	Not relevant
CAS: 91-64-5	Conclusion	Very High	Dry soil	Not relevant
EC: 202-086-7	Surface tension	Not relevant	Moist soil	Not relevant
Allyl 3-cyclohexylpropionate	Koc	1820	Henry	Not relevant
CAS: 2705-87-5	Conclusion	Low	Dry soil	Not relevant
EC: 220-292-5	Surface tension	Not relevant	Moist soil	Not relevant
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Koc	3061.96	Henry	Not relevant
CAS: 127-51-5	Conclusion	Low	Dry soil	Not relevant
EC: 204-846-3	Surface tension	Not relevant	Moist soil	Not relevant
Diphenyl ether	Koc	1960	Henry	Not relevant
CAS: 101-84-8	Conclusion	Low	Dry soil	Not relevant
EC: 202-981-2	Surface tension	1,753E-2 N/m (258,4 ºC)	Moist soil	Not relevant
Allyl (3-methylbutoxy)acetate	Koc	80	Henry	Not relevant
CAS: 67634-00-8	Conclusion	Very High	Dry soil	Not relevant
EC: 266-803-5	Surface tension	Not relevant	Moist soil	Not relevant

*** Changes with regards to the previous version*

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification	Absorption/desorption		Volatility	
2,6-di-tert-butyl-p-cresol	Koc	8183	Henry	3,42E-1 Pa·m³/mol
CAS: 128-37-0	Conclusion	Immobile	Dry soil	Yes
EC: 204-881-4	Surface tension	1,255E-2 N/m (258,85 ºC)	Moist soil	Yes
Benzyl salicylate	Koc	5600	Henry	Not relevant
CAS: 118-58-1	Conclusion	Immobile	Dry soil	Not relevant
EC: 204-262-9	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

*** 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)
	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, HP10 Toxic for reproduction, HP13 Sensitising, 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

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 (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:

Not relevant

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

Product classified hazardous under the CMR. Sale and distribution to the general public is prohibited. Due to its CMR category, it

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SECTION 15: REGULATORY INFORMATION (continued)

is essential to apply the specific measures for workplace hazard prevention covered in articles 4 and 5 of the 2004/37/EC Directive and later modifications.
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.:

COMMISSION REGULATION (EU) 2020/878
COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):
· New declared substances
Bornan-2-one (76-22-2)
· Removed substances
DL-bornan-2-one (21368-68-3)
Substances that contribute to the classification (SECTION 2):
· New declared substances
Diphenyl ether (101-84-8)
CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):
· Pictograms
· Hazard statements
· Precautionary statements

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H360Fd: May damage fertility. Suspected of damaging the unborn child.
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.
Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin.
Acute Tox. 4: H332 - Harmful if inhaled.
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.
Carc. 2: H351 - Suspected of causing cancer.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Flam. Sol. 2: H228 - Flammable solid.
Muta. 2: H341 - Suspected of causing genetic defects.
Repr. 1B: H360Fd - May damage fertility. Suspected of damaging the unborn child.
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. 1A: 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.
STOT SE 2: H371 - May cause damage to organs.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Repr. 1B: 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*

- END OF SAFETY DATA SHEET -