ESENCIA 16139
ART. COMERCIAL AMBERWOOD

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

1.1 Product identifier: ESENCIA 16139
ART. COMERCIAL AMBERWOOD

Other means of identification:

UFI: H49C-X01N-Y00R-C2M3

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 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411
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:

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
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.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, (ethoxymethoxy)cyclododecane, d-limonene.

Substances that contribute to the classification

Methyl 2,4-dihydroxy-3,6-dimethylbenzoate

UFI: H49C-X01N-Y00R-C2M3

2.3 Other hazards:

*** Changes with regards to the previous version*

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SECTION 2: HAZARDS IDENTIFICATION ** (continued)

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: 54464-57-2 EC: 259-174-3 Index: Not relevant REACH: Not relevant	**1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one**(1)	Self-classified	**15 - <20 %**
	Regulation 1272/2008	Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 4707-47-5 EC: 225-193-0 Index: Not relevant REACH: 01-2120762759-36-XXXX	**Methyl 2,4-dihydroxy-3,6-dimethylbenzoate**(1)	Self-classified	**10 - <15 %**
	Regulation 1272/2008	Skin Sens. 1B: H317 - Warning	
CAS: 4940-11-8 EC: 225-582-5 Index: Not relevant REACH: 01-2120758795-36-XXXX	**2-ethyl-3-hydroxy-4-pyrone**(1)	Self-classified	**2,5 - <5 %**
	Regulation 1272/2008	Acute Tox. 4: H302 - Warning	
CAS: 118-60-5 EC: 204-263-4 Index: Not relevant REACH: 01-2119978235-29-XXXX	**2-ethylhexyl salicylate**(1)	Self-classified	**1 - <2,5 %**
	Regulation 1272/2008	Aquatic Chronic 1: H410; Repr. 2: H361d - Warning	
CAS: 58567-11-6 EC: 261-332-1 Index: Not relevant REACH: 01-2119971571-34-XXXX	**(ethoxymethoxy)cyclododecane**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 5989-27-5 EC: 227-813-5 Index: 601-096-00-2 REACH: 01-2119529223-47-XXXX	**d-limonene**(1)	ATP ATP17	**<1 %**
	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: 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	

(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.

Other information:

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
2-ethyl-3-hydroxy-4-pyrone CAS: 4940-11-8 EC: 225-582-5	LD50 oral	1200 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	Not relevant	

*** Changes with regards to the previous version*

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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

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:

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

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.

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.

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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
2-ethyl-3-hydroxy-4-pyrone	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 4940-11-8	Dermal	Not relevant	Not relevant	5,6 mg/kg	Not relevant
EC: 225-582-5	Inhalation	Not relevant	Not relevant	19,7 mg/m³	Not relevant
2-ethylhexyl salicylate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 118-60-5	Dermal	Not relevant	Not relevant	158 mg/kg	Not relevant
EC: 204-263-4	Inhalation	Not relevant	Not relevant	9,03 mg/m³	Not relevant
(ethoxymethoxy)cyclododecane	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 58567-11-6	Dermal	Not relevant	Not relevant	3,3 mg/kg	Not relevant
EC: 261-332-1	Inhalation	Not relevant	Not relevant	23,5 mg/m³	Not relevant
d-limonene	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 5989-27-5	Dermal	Not relevant	Not relevant	9,5 mg/kg	Not relevant
EC: 227-813-5	Inhalation	Not relevant	Not relevant	66,7 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

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-ethyl-3-hydroxy-4-pyrone	Oral	Not relevant	Not relevant	2 mg/kg	Not relevant
CAS: 4940-11-8	Dermal	Not relevant	Not relevant	2 mg/kg	Not relevant
EC: 225-582-5	Inhalation	Not relevant	Not relevant	3,48 mg/m³	Not relevant
2-ethylhexyl salicylate	Oral	Not relevant	Not relevant	2,4 mg/kg	Not relevant
CAS: 118-60-5	Dermal	Not relevant	Not relevant	79,1 mg/kg	Not relevant
EC: 204-263-4	Inhalation	Not relevant	Not relevant	2,25 mg/m³	Not relevant
(ethoxymethoxy)cyclododecane	Oral	Not relevant	Not relevant	1,67 mg/kg	Not relevant
CAS: 58567-11-6	Dermal	Not relevant	Not relevant	1,67 mg/kg	Not relevant
EC: 261-332-1	Inhalation	Not relevant	Not relevant	5,8 mg/m³	Not relevant
d-limonene	Oral	Not relevant	Not relevant	4,8 mg/kg	Not relevant
CAS: 5989-27-5	Dermal	Not relevant	Not relevant	4,8 mg/kg	Not relevant
EC: 227-813-5	Inhalation	Not relevant	Not relevant	16,6 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

PNEC:

Identification				
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	STP	10 mg/L	Fresh water	0,0033 mg/L
CAS: 4707-47-5	Soil	0,016 mg/kg	Marine water	0,00033 mg/L
EC: 225-193-0	Intermittent	Not relevant	Sediment (Fresh water)	0,089 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,0089 mg/kg
2-ethyl-3-hydroxy-4-pyrone	STP	1,55 mg/L	Fresh water	0,0072 mg/L
CAS: 4940-11-8	Soil	0,049 mg/kg	Marine water	0,00072 mg/L
EC: 225-582-5	Intermittent	Not relevant	Sediment (Fresh water)	0,269 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,027 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
(ethoxymethoxy)cyclododecane	STP	100 mg/L	Fresh water	0,002 mg/L
CAS: 58567-11-6	Soil	0,468 mg/kg	Marine water	0 mg/L
EC: 261-332-1	Intermittent	0,016 mg/L	Sediment (Fresh water)	2,35 mg/kg
	Oral	0,0333 g/kg	Sediment (Marine water)	0,235 mg/kg
d-limonene	STP	1,8 mg/L	Fresh water	0,014 mg/L
CAS: 5989-27-5	Soil	0,763 mg/kg	Marine water	0,0014 mg/L
EC: 227-813-5	Intermittent	Not relevant	Sediment (Fresh water)	3,85 mg/kg
	Oral	0,133 g/kg	Sediment (Marine water)	0,385 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

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):	0,42 % weight
V.O.C. density at 20 ºC:	4,17 kg/m³ (4,17 g/L)
Average carbon number:	10,05
Average molecular weight:	137,76 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:

*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)

Physical state at 20 ºC:	Liquid
Appearance:	Characteristic
Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Not relevant *
Volatility:	
Boiling point at atmospheric pressure:	311 ºC
Vapour pressure at 20 ºC:	2 Pa
Vapour pressure at 50 ºC:	11,51 Pa (0,01 kPa)
Evaporation rate at 20 ºC:	Not relevant *
Product description:	
Density at 20 ºC:	992,2 kg/m³
Relative density at 20 ºC:	0,971 - 0,991
Dynamic viscosity at 20 ºC:	Not relevant *
Kinematic viscosity at 20 ºC:	Not relevant *
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:	152 ºC
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	237 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:	1,467 - 1,487

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

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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:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION **

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

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

Dangerous health implications:

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

A- Ingestion (acute effect):

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

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

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

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

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: d-limonene (3); 2,6-di-tert-butyl-p-cresol (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:

*** Changes with regards to the previous version*

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SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

- 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, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

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

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

H- Aspiration hazard:

Based on available data, the classification criteria are not met. 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
2-ethylhexyl salicylate CAS: 118-60-5 EC: 204-263-4	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rat
	LC50 inhalation		
2-ethyl-3-hydroxy-4-pyrone CAS: 4940-11-8 EC: 225-582-5	LD50 oral	1200 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate CAS: 4707-47-5 EC: 225-193-0	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rat
	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		

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

Toxic to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

*** Changes with regards to the previous version*

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification		Concentration	Species	Genus
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
2-ethylhexyl salicylate	LC50	>82 mg/L (96 h)	Danio rerio	Fish
CAS: 118-60-5	EC50	10 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-263-4	EC50	0,011 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(ethoxymethoxy)cyclododecane	LC50	1,9 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 58567-11-6	EC50	1,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 261-332-1	EC50	53 mg/L (96 h)	Scenedesmus subspicatus	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		
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

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	BOD5	Not relevant	Concentration	100 mg/L
CAS: 4707-47-5	COD	Not relevant	Period	28 days
EC: 225-193-0	BOD5/COD	Not relevant	% Biodegradable	59 %
2-ethylhexyl salicylate	BOD5	Not relevant	Concentration	7.16 mg/L
CAS: 118-60-5	COD	2429 g O2/g	Period	28 days
EC: 204-263-4	BOD5/COD	Not relevant	% Biodegradable	89 %
(ethoxymethoxy)cyclododecane	BOD5	Not relevant	Concentration	10 mg/L
CAS: 58567-11-6	COD	Not relevant	Period	28 days
EC: 261-332-1	BOD5/COD	Not relevant	% Biodegradable	5 %
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 %
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 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	BCF	232
CAS: 4707-47-5	Pow Log	
EC: 225-193-0	Potential	High
2-ethylhexyl salicylate	BCF	124
CAS: 118-60-5	Pow Log	5.94
EC: 204-263-4	Potential	High
d-limonene	BCF	
CAS: 5989-27-5	Pow Log	4.83
EC: 227-813-5	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

12.4 Mobility in soil:

*** Changes with regards to the previous version*

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification	Absorption/desorption		Volatility	
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	Koc	235	Henry	1,1E-2 Pa·m³/mol
CAS: 4707-47-5	Conclusion	Moderate	Dry soil	Not relevant
EC: 225-193-0	Surface tension	Not relevant	Moist soil	Not relevant
2-ethylhexyl salicylate	Koc	126315	Henry	60,56 Pa·m³/mol
CAS: 118-60-5	Conclusion	Immobile	Dry soil	Yes
EC: 204-263-4	Surface tension	Not relevant	Moist soil	Yes
(ethoxymethoxy)cyclododecane	Koc	14600	Henry	Not relevant
CAS: 58567-11-6	Conclusion	Immobile	Dry soil	Not relevant
EC: 261-332-1	Surface tension	Not relevant	Moist soil	Not relevant
d-limonene	Koc	6324	Henry	2533,13 Pa·m³/mol
CAS: 5989-27-5	Conclusion	Immobile	Dry soil	Yes
EC: 227-813-5	Surface tension	2,675E-2 N/m (25 ºC)	Moist soil	Yes
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

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, HP13 Sensitising

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:

*** Changes with regards to the previous version*

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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. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)
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. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)
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. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)
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

*** Changes with regards to the previous version*

SECTION 15: REGULATORY INFORMATION

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SECTION 15: REGULATORY INFORMATION (continued)

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:

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.:

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):
· New declared substances
2-ethylhexyl salicylate (118-60-5)
CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):
· Pictograms
· Hazard statements
TRANSPORT INFORMATION (SECTION 14):
· UN number
· Packing group

Texts of the legislative phrases mentioned in section 2:

H411: Toxic to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin 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.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Repr. 2: H361d - Suspected of damaging 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.

Classification procedure:

Aquatic Chronic 2: Calculation method
Skin Sens. 1B: Calculation method
Skin 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 -