



Safety data sheet

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

Life is a Journey_Sakura Car Perfume

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

- 1.1 Product identifier:** Life is a Journey_Sakura Car Perfume
Other means of identification:
UFI: EREV-G62S-J305-YAP2
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: Air freshener for vehicles
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:**
Rituals Cosmetics Enterprise
P.O. Box 15500 | 1001 NA Amsterdam
Herengracht 541 | 1017 BW Amsterdam, The Netherlands
SDS Contact: qualityenquiries@rituals.com
Phone Number: +31 (0)20 333 91 00
(9:00-17:00)
Ireland National Poisons Information Centre (NPIC)
- 1.4 Emergency telephone number:** Public: 01 809 2166 (available from 8am – 10pm every day), Professionals: 01 809 2566 (available 24/7)

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
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:
Warning

Hazard statements:
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Precautionary statements:
P102: Keep out of reach of children.
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 (E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one, (E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one, 2,4-dimethylcyclohex-3-ene-1-carbaldehyde, 3,4,5,6,6-pentamethylhept-3-en-2-one, 3-p-cumenyl-2-methylpropionaldehyde, Benzyl salicylate, d-p-mentha-1(6),8-dien-2-one, Geraniol, Linalool, Nerol, Piperonal, Undec-10-enal.
Substances that contribute to the classification
(E)-2-methoxy-4-(prop-1-enyl)phenol
- 2.3 Other hazards:**
Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**
Non-applicable
- 3.2 Mixture:**
Chemical description: Perfume/s

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Components:

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

Identification	Chemical name/Classification		Concentration
CAS: 140-11-4 EC: 205-399-7 Index: Non-applicable REACH: 01-2119638272-42-XXXX	Benzyl acetate⁽¹⁾ Self-classified		15 - <30 %
	Regulation 1272/2008	Aquatic Chronic 3: H412	
CAS: 20298-69-5 EC: 243-718-1 Index: Non-applicable REACH: 01-2119970713-33-XXXX	cis-2-tert-butylcyclohexyl acetate⁽¹⁾ Self-classified		5 - <15 %
	Regulation 1272/2008	Aquatic Chronic 2: H411	
CAS: 64742-47-8 EC: 265-149-8 Index: 649-422-00-2 REACH: 01-2119484819-18-XXXX	Distillates (petroleum), hydrotreated light⁽¹⁾ ATP CLP00		5 - <15 %
	Regulation 1272/2008	Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H336 - Danger	
CAS: 78-70-6 EC: 201-134-4 Index: 603-235-00-2 REACH: 01-2119474016-42-XXXX	Linalool⁽¹⁾ Self-classified		1 - <5 %
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 60-12-8 EC: 200-456-2 Index: Non-applicable REACH: 01-2119963921-31-XXXX	2-phenylethanol⁽¹⁾ Self-classified		1 - <5 %
	Regulation 1272/2008	Acute Tox. 4: H302; Eye Irrit. 2: H319 - Warning	
CAS: 63500-71-0 EC: 405-040-6 Index: 603-101-00-3 REACH: 01-2119455547-30-XXXX	Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)⁽¹⁾ ATP CLP00		1 - <5 %
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 8000-41-7 EC: 232-268-1 Index: Non-applicable REACH: 01-2119553062-49-XXXX	Terpineol⁽¹⁾ Self-classified		1 - <5 %
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 86115-11-9 EC: 289-194-8 Index: Non-applicable REACH: Non-applicable	3,4,5,6,6-pentamethylhept-3-en-2-one⁽¹⁾ Self-classified		1 - <5 %
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 79-77-6 EC: 201-224-3 Index: Non-applicable REACH: 01-2119449921-34-XXXX	(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one⁽¹⁾ Self-classified		1 - <5 %
	Regulation 1272/2008	Aquatic Chronic 2: H411	
CAS: 67634-00-8 EC: 266-803-5 Index: Non-applicable REACH: 01-2120795456-39-XXXX	Allyl (3-methylbutoxy)acetate⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Acute Tox. 2: H330; Acute Tox. 4: H302+H312; Aquatic Acute 1: H400 - Danger	
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: 103-95-7 EC: 203-161-7 Index: Non-applicable REACH: 01-2119970582-32-XXXX	3-p-cumenyl-2-methylpropionaldehyde⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Aquatic Chronic 3: H412; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 120-57-0 EC: 204-409-7 Index: Non-applicable REACH: 01-2119983608-21-XXXX	Piperonal⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Skin Sens. 1B: H317 - Warning	
CAS: 99-49-0 EC: 202-759-5 Index: 606-148-00-8 REACH: Non-applicable	d-p-mentha-1(6),8-dien-2-one⁽¹⁾ ATP ATP07		<1 %
	Regulation 1272/2008	Skin Sens. 1: H317 - Warning	

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

⁽²⁾ Substance with a Union workplace exposure limit

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Life is a Journey_Sakura Car Perfume

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification		Concentration
CAS: 106-24-1 EC: 203-377-1 Index: 603-241-00-5 REACH: 01-2119552430-49-XXXX	Geraniol⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger	
CAS: 106-25-2 EC: 203-378-7 Index: Non-applicable REACH: 01-2119983244-33-XXXX	Nerol⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 68039-49-6 EC: 268-264-1 Index: Non-applicable REACH: Non-applicable	2,4-dimethylcyclohex-3-ene-1-carbaldehyde⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 123-92-2 EC: 204-662-3 Index: 607-130-00-2 REACH: 01-2119548408-32-XXXX	Isopentyl acetate⁽²⁾ ATP CLP00		<1 %
	Regulation 1272/2008	Flam. Liq. 3: H226; EUH066 - Warning	
CAS: 112-45-8 EC: 203-973-1 Index: Non-applicable REACH: 01-2119980959-11-XXXX	Undec-10-enal⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 24720-09-0 EC: 246-430-4 Index: Non-applicable REACH: 01-2120105799-47-XXXX	(E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 2: H411; Skin Sens. 1B: H317 - Warning	
CAS: 23726-93-4 EC: 245-844-2 Index: Non-applicable REACH: 01-2120105798-49-XXXX	(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Warning	
CAS: 5932-68-3 EC: 227-678-2 Index: 604-094-00-X REACH: 01-2120223682-61-XXXX	(E)-2-methoxy-4-(prop-1-enyl)phenol⁽¹⁾ Self-classified		<1 %
	Regulation 1272/2008	Acute Tox. 4: H302+H312+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1A: H317; STOT SE 3: H335 - Warning	

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

⁽²⁾ Substance with a Union workplace exposure limit

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

Other information:

Identification	Specific concentration limit
(E)-2-methoxy-4-(prop-1-enyl)phenol CAS: 5932-68-3 EC: 227-678-2	% (w/w) >=0,01: Skin Sens. 1A - H317

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:

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SECTION 4: FIRST AID MEASURES (continued)

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

By ingestion/aspiration:

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

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

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

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

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

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

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

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

5.3 Advice for firefighters:

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

Additional provisions:

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

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:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

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SECTION 7: HANDLING AND STORAGE (continued)

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

Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

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

Preferably use aspiration for cleaning. Given the danger of the product by inhalation, any cleaning method that involves exposure to the product in this way (sweeping, etc.) is not recommended

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 °C

Maximum Temp.: 40 °C

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		
Isopentyl acetate CAS: 123-92-2 EC: 204-662-3	IOELV (8h)	50 ppm	270 mg/m ³
	IOELV (STEL)	100 ppm	540 mg/m ³

Nuisance dust: Inhalable dust 10 mg/m³ // Respirable dust 4 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	9 mg/m ³	Non-applicable
Linalool CAS: 78-70-6 EC: 201-134-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	3,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	24,58 mg/m ³	Non-applicable
2-phenylethanol CAS: 60-12-8 EC: 200-456-2	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	21,2 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	59,9 mg/m ³	Non-applicable
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	41,7 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	44,1 mg/m ³	Non-applicable
Terpineol CAS: 8000-41-7 EC: 232-268-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	6,36 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	44,8 mg/m ³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one CAS: 79-77-6 EC: 201-224-3	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	6 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	12,7 mg/m ³	Non-applicable
Allyl (3-methylbutoxy)acetate CAS: 67634-00-8 EC: 266-803-5	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	4,93 mg/m ³	Non-applicable
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	2,21 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	7,8 mg/m ³	Non-applicable
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,67 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	5,83 mg/m ³	Non-applicable
Piperonal CAS: 120-57-0 EC: 204-409-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	17,6 mg/m ³	Non-applicable
Geraniol CAS: 106-24-1 EC: 203-377-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	12,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	161,6 mg/m ³	Non-applicable
Nerol CAS: 106-25-2 EC: 203-378-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	4,4 mg/m ³	Non-applicable
Undec-10-enal CAS: 112-45-8 EC: 203-973-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	4,67 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	16,4 mg/m ³	Non-applicable
(E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one CAS: 24720-09-0 EC: 246-430-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,78 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	2,74 mg/m ³	Non-applicable
(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one CAS: 23726-93-4 EC: 245-844-2	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,77 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	2,71 mg/m ³	Non-applicable
(E)-2-methoxy-4-(prop-1-enyl)phenol CAS: 5932-68-3 EC: 227-678-2	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,71 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	6 mg/m ³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	Oral	Non-applicable	Non-applicable	1,3 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,3 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	2,2 mg/m ³	Non-applicable
Linalool CAS: 78-70-6 EC: 201-134-4	Oral	Non-applicable	Non-applicable	2,49 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	4,33 mg/m ³	Non-applicable
2-phenylethanol CAS: 60-12-8 EC: 200-456-2	Oral	5,1 mg/kg	Non-applicable	5,1 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	12,7 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	17,7 mg/m ³	Non-applicable
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	Oral	Non-applicable	Non-applicable	7,5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	13 mg/m ³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Terpineol CAS: 8000-41-7 EC: 232-268-1	Oral	Non-applicable	Non-applicable	2,69 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	2,69 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	7,96 mg/m ³	Non-applicable
(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one CAS: 79-77-6 EC: 201-224-3	Oral	Non-applicable	Non-applicable	1,8 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	3,6 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	3,1 mg/m ³	Non-applicable
Allyl (3-methylbutoxy)acetate CAS: 67634-00-8 EC: 266-803-5	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,87 mg/m ³	Non-applicable
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	Oral	Non-applicable	Non-applicable	0,79 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,79 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,37 mg/m ³	Non-applicable
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	Oral	Non-applicable	Non-applicable	0,83 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,83 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,45 mg/m ³	Non-applicable
Piperonal CAS: 120-57-0 EC: 204-409-7	Oral	Non-applicable	Non-applicable	1,25 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	4,3 mg/m ³	Non-applicable
Geraniol CAS: 106-24-1 EC: 203-377-1	Oral	Non-applicable	Non-applicable	13,75 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	7,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	47,8 mg/m ³	Non-applicable
Nerol CAS: 106-25-2 EC: 203-378-7	Oral	Non-applicable	Non-applicable	0,62 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,62 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,09 mg/m ³	Non-applicable
Undec-10-enal CAS: 112-45-8 EC: 203-973-1	Oral	Non-applicable	Non-applicable	1,67 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,67 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	2,47 mg/m ³	Non-applicable
(E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one CAS: 24720-09-0 EC: 246-430-4	Oral	Non-applicable	Non-applicable	0,39 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,39 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,67 mg/m ³	Non-applicable
(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one CAS: 23726-93-4 EC: 245-844-2	Oral	Non-applicable	Non-applicable	0,38 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,38 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,67 mg/m ³	Non-applicable
(E)-2-methoxy-4-(prop-1-enyl)phenol CAS: 5932-68-3 EC: 227-678-2	Oral	Non-applicable	Non-applicable	0,85 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,85 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,5 mg/m ³	Non-applicable

PNEC:

Identification					
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	STP	8,55 mg/L	Fresh water	0,018 mg/L	
	Soil	0,094 mg/kg	Marine water	0,002 mg/L	
	Intermittent	0,04 mg/L	Sediment (Fresh water)	0,526 mg/kg	
	Oral	Non-applicable	Sediment (Marine water)	0,053 mg/kg	
cis-2-tert-butylcyclohexyl acetate CAS: 20298-69-5 EC: 243-718-1	STP	10 mg/L	Fresh water	0,057 mg/L	
	Soil	4,4 mg/kg	Marine water	0,006 mg/L	
	Intermittent	Non-applicable	Sediment (Fresh water)	7,62 mg/kg	
	Oral	Non-applicable	Sediment (Marine water)	0,762 mg/kg	
Linalool CAS: 78-70-6 EC: 201-134-4	STP	10 mg/L	Fresh water	0,2 mg/L	
	Soil	0,327 mg/kg	Marine water	0,02 mg/L	
	Intermittent	2 mg/L	Sediment (Fresh water)	2,22 mg/kg	
	Oral	0,0078 g/kg	Sediment (Marine water)	0,222 mg/kg	

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-phenylethanol CAS: 60-12-8 EC: 200-456-2	STP	10 mg/L	Fresh water	0,215 mg/L
	Soil	0,164 mg/kg	Marine water	0,021 mg/L
	Intermittent	2,15 mg/L	Sediment (Fresh water)	1,454 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,145 mg/kg
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	STP	10 mg/L	Fresh water	0,094 mg/L
	Soil	0,09 mg/kg	Marine water	0,009 mg/L
	Intermittent	0,94 mg/L	Sediment (Fresh water)	0,412 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,041 mg/kg
Terpineol CAS: 8000-41-7 EC: 232-268-1	STP	2,57 mg/L	Fresh water	0,012 mg/L
	Soil	0,045 mg/kg	Marine water	0,0012 mg/L
	Intermittent	0,12 mg/L	Sediment (Fresh water)	0,263 mg/kg
	Oral	0,0166 g/kg	Sediment (Marine water)	0,026 mg/kg
(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one CAS: 79-77-6 EC: 201-224-3	STP	1 mg/L	Fresh water	0,004 mg/L
	Soil	0,051 mg/kg	Marine water	0 mg/L
	Intermittent	0,04 mg/L	Sediment (Fresh water)	0,151 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,015 mg/kg
Allyl (3-methylbutoxy)acetate CAS: 67634-00-8 EC: 266-803-5	STP	Non-applicable	Fresh water	0,00077 mg/L
	Soil	0,00133 mg/kg	Marine water	0,000077 mg/L
	Intermittent	0,0077 mg/L	Sediment (Fresh water)	0,00893 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,000893 mg/kg
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	STP	10 mg/L	Fresh water	0,001 mg/L
	Soil	1,41 mg/kg	Marine water	0 mg/L
	Intermittent	0,01 mg/L	Sediment (Fresh water)	0,583 mg/kg
	Oral	0,0527 g/kg	Sediment (Marine water)	0,058 mg/kg
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	STP	1 mg/L	Fresh water	0,00109 mg/L
	Soil	0,025 mg/kg	Marine water	0,00011 mg/L
	Intermittent	0,01092 mg/L	Sediment (Fresh water)	0,126 mg/kg
	Oral	0,0333 g/kg	Sediment (Marine water)	0,013 mg/kg
Piperonal CAS: 120-57-0 EC: 204-409-7	STP	10 mg/L	Fresh water	0,0025 mg/L
	Soil	0,00084 mg/kg	Marine water	0,00025 mg/L
	Intermittent	0,025 mg/L	Sediment (Fresh water)	0,0119 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0012 mg/kg
Geraniol CAS: 106-24-1 EC: 203-377-1	STP	0,7 mg/L	Fresh water	0,011 mg/L
	Soil	0,017 mg/kg	Marine water	0,001 mg/L
	Intermittent	0,108 mg/L	Sediment (Fresh water)	0,115 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,011 mg/kg
Nerol CAS: 106-25-2 EC: 203-378-7	STP	12,9 mg/L	Fresh water	0,00745 mg/L
	Soil	0,0223 mg/kg	Marine water	0,000745 mg/L
	Intermittent	0,0745 mg/L	Sediment (Fresh water)	0,133 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0133 mg/kg
Isopentyl acetate CAS: 123-92-2 EC: 204-662-3	STP	30 mg/L	Fresh water	0,011 mg/L
	Soil	0,06 mg/kg	Marine water	0,001 mg/L
	Intermittent	0,11 mg/L	Sediment (Fresh water)	0,335 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,034 mg/kg
Undec-10-enal CAS: 112-45-8 EC: 203-973-1	STP	0,625 mg/L	Fresh water	0,0201 mg/L
	Soil	18,9 mg/kg	Marine water	0,00201 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	94,5 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	9,45 mg/kg
(E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one CAS: 24720-09-0 EC: 246-430-4	STP	3,2 mg/L	Fresh water	0,00109 mg/L
	Soil	0,021 mg/kg	Marine water	0,00011 mg/L
	Intermittent	0,0109 mg/L	Sediment (Fresh water)	0,107 mg/kg
	Oral	0,00667 g/kg	Sediment (Marine water)	0,011 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one CAS: 23726-93-4 EC: 245-844-2	STP	3,2 mg/L	Fresh water	0,00109 mg/L
	Soil	0,017 mg/kg	Marine water	0,00011 mg/L
	Intermittent	0,0109 mg/L	Sediment (Fresh water)	0,087 mg/kg
	Oral	0,00667 g/kg	Sediment (Marine water)	0,00867 mg/kg
(E)-2-methoxy-4-(prop-1-enyl)phenol CAS: 5932-68-3 EC: 227-678-2	STP	10 mg/L	Fresh water	0,0047 mg/L
	Soil	0,007 mg/kg	Marine water	0,00047 mg/L
	Intermittent	0,047 mg/L	Sediment (Fresh water)	0,047 mg/kg
	Oral	0,0415 g/kg	Sediment (Marine water)	0,005 mg/kg

8.2 Exposure controls:

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

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

B.- Respiratory protection

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

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Protective gloves against minor risks			Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2004+A1:2010 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing			Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes		EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

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

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Volatile organic compounds:

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

V.O.C. (Supply):	37,24 % weight
V.O.C. density at 20 °C:	368,29 kg/m ³ (368,29 g/L)
Average carbon number:	9,21
Average molecular weight:	151,69 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Solid
Appearance:	Characteristic
Colour:	Characteristic
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	Non-applicable *
Vapour pressure at 20 °C:	Non-applicable *
Vapour pressure at 50 °C:	Non-applicable *
Evaporation rate at 20 °C:	Non-applicable *

Product description:

Density at 20 °C:	989 kg/m ³
Relative density at 20 °C:	0,989
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non-applicable
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	235 °C
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Explosive (Solid):

Lower explosive limit:	Non-applicable *
Upper explosive limit:	Non-applicable *

*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)

Particle characteristics:

Median equivalent diameter: Non-applicable *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties: Non-applicable *

Oxidising properties: Non-applicable *

Corrosive to metals: Non-applicable *

Heat of combustion: Non-applicable *

Aerosols-total percentage (by mass) of flammable components: Non-applicable *

Other safety characteristics:

Surface tension at 20 °C: Non-applicable *

Refraction index: Non-applicable *

*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.

10.2 Chemical stability:

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

10.3 Possibility of hazardous reactions:

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

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

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

10.5 Incompatible materials:

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

10.6 Hazardous decomposition products:

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

SECTION 11: TOXICOLOGICAL INFORMATION

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

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

Dangerous health implications:

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

A- Ingestion (acute effect):

- Acute toxicity : 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):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- 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. However, it contains substances classified as hazardous for inhalation. 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, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: Benzyl acetate (3); Distillates (petroleum), hydrotreated light (3)
 - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
 - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
 - Skin: 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, 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. However, it does contain substances which are classified as dangerous due to repetitive exposure. 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:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	LD50 oral	2490 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
cis-2-tert-butylcyclohexyl acetate CAS: 20298-69-5 EC: 243-718-1	LD50 oral	4600 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Distillates (petroleum), hydrotreated light CAS: 64742-47-8 EC: 265-149-8	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Linalool CAS: 78-70-6 EC: 201-134-4	LD50 oral	3000 mg/kg	Rat
	LD50 dermal	5610 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
2-phenylethanol CAS: 60-12-8 EC: 200-456-2	LD50 oral	1610 mg/kg	Rat
	LD50 dermal	2100 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Terpineol CAS: 8000-41-7 EC: 232-268-1	LD50 oral	4300 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
3,4,5,6,6-pentamethylhept-3-en-2-one CAS: 86115-11-9 EC: 289-194-8	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one CAS: 79-77-6 EC: 201-224-3	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Allyl (3-methylbutoxy)acetate CAS: 67634-00-8 EC: 266-803-5	LD50 oral	500 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	0,51 mg/L (4 h)	Rat
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	LD50 oral	2200 mg/kg	Rat
	LD50 dermal	14150 mg/kg	Rabbit
	LC50 inhalation	>5 mg/L	
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	LD50 oral	3810 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Piperonal CAS: 120-57-0 EC: 204-409-7	LD50 oral	2700 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	Non-applicable	
d-p-mentha-1(6),8-dien-2-one CAS: 99-49-0 EC: 202-759-5	LD50 oral	>2000 mg/kg	
	LD50 dermal	3800 mg/kg	
	LC50 inhalation	>20 mg/L	
Geraniol CAS: 106-24-1 EC: 203-377-1	LD50 oral	4200 mg/kg	Rat
	LD50 dermal	5100 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
Nerol CAS: 106-25-2 EC: 203-378-7	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
2,4-dimethylcyclohex-3-ene-1-carbaldehyde CAS: 68039-49-6 EC: 268-264-1	LD50 oral	2500 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Isopentyl acetate CAS: 123-92-2 EC: 204-662-3	LD50 oral	7400 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Undec-10-enal CAS: 112-45-8 EC: 203-973-1	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
(E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one CAS: 24720-09-0 EC: 246-430-4	LD50 oral	1500 mg/kg	Rat
	LD50 dermal	4100 mg/kg	Rat
	LC50 inhalation	>20 mg/L	
(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one CAS: 23726-93-4 EC: 245-844-2	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
(E)-2-methoxy-4-(prop-1-enyl)phenol CAS: 5932-68-3 EC: 227-678-2	LD50 oral	450 mg/kg	Rat
	LD50 dermal	1911 mg/kg	Rat
	LC50 inhalation	11 mg/L (4 h)	

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

Endocrine-disrupting properties: The product fails to meet the criteria.

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

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

12.1 Toxicity:

Acute toxicity:

Identification	Concentration	Species	Genus
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	LC50	Non-applicable	
	EC50	17 mg/L (48 h)	Daphnia magna
	EC50	110 mg/L (72 h)	Desmodesmus subspicatus
cis-2-tert-butylcyclohexyl acetate CAS: 20298-69-5 EC: 243-718-1	LC50	5,6 mg/L (96 h)	Brachydanio rerio
	EC50	17 mg/L (48 h)	Daphnia magna
	EC50	4,2 mg/L (72 h)	Desmodesmus subspicatus
Distillates (petroleum), hydrotreated light CAS: 64742-47-8 EC: 265-149-8	LC50	> 1 - 10 mg/L (96 h)	Fish
	EC50	> 1 - 10 mg/L (48 h)	Crustacean
	EC50	> 1 - 10 mg/L (72 h)	Algae
2-phenylethanol CAS: 60-12-8 EC: 200-456-2	LC50	Non-applicable	
	EC50	330 mg/L (24 h)	Daphnia magna
	EC50	490 mg/L (72 h)	Scenedesmus subspicatus
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	LC50	Non-applicable	
	EC50	320 mg/L (48 h)	Daphnia magna
	EC50	Non-applicable	
3,4,5,6,6-pentamethylhept-3-en-2-one CAS: 86115-11-9 EC: 289-194-8	LC50	> 1 - 10 mg/L (96 h)	Fish
	EC50	> 1 - 10 mg/L (48 h)	Crustacean
	EC50	> 1 - 10 mg/L (72 h)	Algae
(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one CAS: 79-77-6 EC: 201-224-3	LC50	5,09 mg/L (96 h)	Pimephales promelas
	EC50	1 mg/L (48 h)	Daphnia magna
	EC50	20,9 mg/L (72 h)	Scenedesmus subspicatus
Allyl (3-methylbutoxy)acetate CAS: 67634-00-8 EC: 266-803-5	LC50	>0.1 - 1 mg/L (96 h)	Fish
	EC50	>0.1 - 1 mg/L (48 h)	Crustacean
	EC50	>0.1 - 1 mg/L (72 h)	Algae
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	LC50	1,03 mg/L (96 h)	Brachydanio rerio
	EC50	1,2 mg/L (48 h)	Daphnia magna
	EC50	1,3 mg/L (72 h)	Selenastrum capricornutum
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	LC50	>10 - 100 mg/L (96 h)	Fish
	EC50	>10 - 100 mg/L (48 h)	Crustacean
	EC50	>10 - 100 mg/L (72 h)	Algae
Nerol CAS: 106-25-2 EC: 203-378-7	LC50	20 mg/L (96 h)	Danio rerio
	EC50	32 mg/L (48 h)	Daphnia magna
	EC50	10 mg/L (72 h)	Pseudokirchneriella subcapitata
2,4-dimethylcyclohex-3-ene-1-carbaldehyde CAS: 68039-49-6 EC: 268-264-1	LC50	> 1 - 10 mg/L (96 h)	Fish
	EC50	> 1 - 10 mg/L (48 h)	Crustacean
	EC50	> 1 - 10 mg/L (72 h)	Algae
Isopentyl acetate CAS: 123-92-2 EC: 204-662-3	LC50	Non-applicable	
	EC50	42 mg/L (48 h)	Daphnia magna
	EC50	Non-applicable	
Undec-10-enal CAS: 112-45-8 EC: 203-973-1	LC50	>10 - 100 mg/L (96 h)	Fish
	EC50	>10 - 100 mg/L (48 h)	Crustacean
	EC50	>10 - 100 mg/L (72 h)	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
(E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one CAS: 24720-09-0 EC: 246-430-4	LC50	1,09 mg/L (96 h)	Oryzias latipes	Fish
	EC50	2,37 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one CAS: 23726-93-4 EC: 245-844-2	LC50	1,06 mg/L (96 h)	Danio rerio	Fish
	EC50	9 mg/L (48 h)	Daphnia sp.	Crustacean
	EC50	8 mg/L (72 h)	N/A	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	Non-applicable		
cis-2-tert-butylcyclohexyl acetate	NOEC	0,8 mg/L	Pimephales promelas	Fish
CAS: 20298-69-5 EC: 243-718-1	NOEC	Non-applicable		
3-p-cumenyl-2-methylpropionaldehyde	NOEC	Non-applicable		
CAS: 103-95-7 EC: 203-161-7	NOEC	0,71 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	BOD5	Non-applicable	Concentration	10 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	100 %
cis-2-tert-butylcyclohexyl acetate CAS: 20298-69-5 EC: 243-718-1	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	43 %
Linalool CAS: 78-70-6 EC: 201-134-4	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	90 %
2-phenylethanol CAS: 60-12-8 EC: 200-456-2	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	87 %
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	BOD5	Non-applicable	Concentration	10 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	10 %
Allyl (3-methylbutoxy)acetate CAS: 67634-00-8 EC: 266-803-5	BOD5	Non-applicable	Concentration	240 mg/L
	COD	Non-applicable	Period	13 days
	BOD5/COD	Non-applicable	% Biodegradable	78 %
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	93 %
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	65,5 %
Geraniol CAS: 106-24-1 EC: 203-377-1	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	21 days
	BOD5/COD	Non-applicable	% Biodegradable	70 %
Nerol CAS: 106-25-2 EC: 203-378-7	BOD5	Non-applicable	Concentration	2 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	90 %
(E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one CAS: 24720-09-0 EC: 246-430-4	BOD5	Non-applicable	Concentration	30 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	56 %

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	BOD5	Non-applicable	Concentration	30 mg/L
CAS: 23726-93-4	COD	Non-applicable	Period	28 days
EC: 245-844-2	BOD5/COD	Non-applicable	% Biodegradable	65 %
(E)-2-methoxy-4-(prop-1-enyl)phenol	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 5932-68-3	COD	Non-applicable	Period	28 days
EC: 227-678-2	BOD5/COD	Non-applicable	% Biodegradable	79 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Benzyl acetate	BCF	8
CAS: 140-11-4	Pow Log	1.96
EC: 205-399-7	Potential	Low
cis-2-tert-butylcyclohexyl acetate	BCF	200
CAS: 20298-69-5	Pow Log	4.7
EC: 243-718-1	Potential	High
Distillates (petroleum), hydrotreated light	BCF	130
CAS: 64742-47-8	Pow Log	3.3
EC: 265-149-8	Potential	High
Linalool	BCF	
CAS: 78-70-6	Pow Log	2.97
EC: 201-134-4	Potential	
2-phenylethanol	BCF	6
CAS: 60-12-8	Pow Log	1.36
EC: 200-456-2	Potential	Low
Allyl (3-methylbutoxy)acetate	BCF	
CAS: 67634-00-8	Pow Log	1.85
EC: 266-803-5	Potential	
Benzyl salicylate	BCF	311
CAS: 118-58-1	Pow Log	4
EC: 204-262-9	Potential	High
3-p-cumenyl-2-methylpropionaldehyde	BCF	102
CAS: 103-95-7	Pow Log	3.05
EC: 203-161-7	Potential	High
d-p-mentha-1(6),8-dien-2-one	BCF	11
CAS: 99-49-0	Pow Log	
EC: 202-759-5	Potential	Low
Geraniol	BCF	110
CAS: 106-24-1	Pow Log	3.56
EC: 203-377-1	Potential	High
Nerol	BCF	44
CAS: 106-25-2	Pow Log	2.76
EC: 203-378-7	Potential	Moderate
Isopentyl acetate	BCF	10
CAS: 123-92-2	Pow Log	
EC: 204-662-3	Potential	Low
(E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one	BCF	20
CAS: 24720-09-0	Pow Log	2.97
EC: 246-430-4	Potential	Low
(E)-2-methoxy-4-(prop-1-enyl)phenol	BCF	
CAS: 5932-68-3	Pow Log	2.1
EC: 227-678-2	Potential	

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	3,558E-2 N/m (25 °C)	Moist soil	Non-applicable
cis-2-tert-butylcyclohexyl acetate CAS: 20298-69-5 EC: 243-718-1	Koc	1300	Henry	Non-applicable
	Conclusion	Low	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable
2-phenylethanol CAS: 60-12-8 EC: 200-456-2	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	3,807E-2 N/m (25 °C)	Moist soil	Non-applicable
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	Koc	42	Henry	1,71E-3 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	No
	Surface tension	Non-applicable	Moist soil	No
Allyl (3-methylbutoxy)acetate CAS: 67634-00-8 EC: 266-803-5	Koc	80	Henry	Non-applicable
	Conclusion	Very High	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	Koc	5600	Henry	Non-applicable
	Conclusion	Immobile	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable
d-p-mentha-1(6),8-dien-2-one CAS: 99-49-0 EC: 202-759-5	Koc	84.6	Henry	7,6 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	Non-applicable	Moist soil	Yes
Nerol CAS: 106-25-2 EC: 203-378-7	Koc	94	Henry	Non-applicable
	Conclusion	High	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable
Isopentyl acetate CAS: 123-92-2 EC: 204-662-3	Koc	70	Henry	59,78 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Non-applicable
	Surface tension	2,388E-2 N/m (25 °C)	Moist soil	Yes
(E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one CAS: 24720-09-0 EC: 246-430-4	Koc	941.1	Henry	Non-applicable
	Conclusion	Low	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

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

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

HP14 Ecotoxic, HP6 Acute Toxicity, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

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-dangerous 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:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Geraniol (Product-type 18, 19)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

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

Non-applicable

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.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

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:

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SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 2: H330 - Fatal if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin.
Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
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 SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

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

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

- END OF SAFETY DATA SHEET -