

SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

CLEAMEN PERFUME ZONE Tivano

Date of revision: 30. 09. 2026

Version: 2.0

Replaced version from: 07. 03. 2025

Date of issue: 07. 03. 2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name

CLEAMEN PERFUME ZONE Tivano

UFI code

UFI: RC71-K06X-S00V-R85T

Product code

TCFTT.R01a

Mixture description

A mixture of alcohol and perfume.

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

Identified uses

Air freshener.

Consumer and professional use.

Uses advised against

Not known. It is recommended to use it only for the intended use. Other uses may expose users to unpredictable risks.

1.3. Details of the supplier of the safety data sheet

Registered office:

CORMEN s.r.o.

Věchnov 73

593 01

Czech Republic

Tel.: +420 566 550 961

Fax: +420 566 551 822

Trade establishment:

CORMEN s.r.o.

Průmyslová 1420

593 01 Bystřice nad Pernštejnem

Czech Republic

Tel.: +420 565 400 300

e-mail address for a competent person responsible for the SDS: info@cormen.cz

1.4. Emergency telephone number

112 (General emergency phone).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture is classified as **hazardous** according to regulation 1272/2008/EC.

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Classification according to 1272/2008/EC

Skin. Sens. 1; H317

Eye Irrit. 2; H319

Aquatic Chronic 3; H412

Full text of classifications and H-phrases: see section 16.

The most important adverse physical, human health and environmental effects

May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictograms



Signal word

Warning.

Substances of the mixture to be placed on the label

Contains 3,7-Dimethyloctan-3-ol, 3-p-Cumenyl-2-methylpropionaldehyde, Hexyl salicylate, Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde, Methyl cinnamate.

Hazard statements

- | | |
|------|--|
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |

Precautionary statements

- | | |
|----------------|---|
| P102 | Keep out of reach of children. |
| P273 | Avoid release to the environment. |
| P302+P352 | IF ON SKIN: Wash with plenty of water and soap. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P501 | Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Dispose of the cleaned packaging without any residual product content in the sorted waste. |

Supplemental hazard information

Mandatory additional information is not required according to CLP regulation.

2.3. Other hazards

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The mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH regulation.

The mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

3.2.1. Substances of a mixture classified as hazardous

Identification of substance		Content wt. %	Classification according to 1272/2008/EC
3-Methoxy-3-methylbutan-1-ol			
CAS Number	56539-66-3	50 - < 100	Eye Irrit. 2; H319
EC Number	260-252-4		
Index Number	not given		
Registration Number	01-2119976333-33-XXXX		
3,7-Dimethyloctan-3-ol; Tetrahydrolinalool			
CAS Number	78-69-3	< 5	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Irrit. 2; H319
EC Number	201-133-9		
Index Number	not given		
Registration Number	01-2119454788-21-XXXX		
2,6-Dimethyloct-7-en-2-ol; Dihydromyrcenol			
CAS Number	18479-58-8	< 2	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H336
EC Number	242-362-4		
Index Number	not given		
Registration Number	01-2119457274-37-XXXX		
Benzyl acetate			
CAS Number	140-11-4	< 2	Aquatic Chronic 3; H412
EC Number	205-399-7		
Index Number	not given		
Registration Number	01-2119638272-42-XXXX		
Cyclohexyl 2-hydroxybenzoate			
CAS Number	25485-88-5	< 2	Aquatic Chronic 2; H411
EC Number	400-410-3		
Index Number	not given		
Registration Number	not yet available		
4,6,6,7,8,8-Hexamethyl-1,3,4,6,7,8-hexahydroindeno[5,6-c]pyran; Galaxolide; (HHCB)			

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CAS Number	1222-05-5		Aquatic Acute 1; H400
EC Number	214-946-9		Aquatic Chronic 1; H410
Index Number	603-212-00-7	< 2	M=1
Registration Number	01-2119488227-29-XXXX		M(Chronic)=1
A mixture of: cis-tetrahydro-2-isobutyl-4-methylpyran-4-ol; trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol			
CAS Number	63500-71-0		
EC Number	405-040-6		
Index Number	603-101-00-3	< 2	Eye Irrit. 2; H319
Registration Number	01-2119455547-30-XXXX		
3-p-Cumenyl-2-methylpropionaldehyde			
CAS Number	103-95-7		Skin Irrit. 2; H315
EC Number	203-161-7		Skin Sens. 1B; H317
Index Number	not given	< 1	Aquatic Chronic 3; H412
Registration Number	01-2119970582-32-XXXX		
Hexyl salicylate			
CAS Number	6259-76-3		Skin Sens. 1B; H317
EC Number	228-408-6		Repr. 2; H361d
Index Number	607-772-00-3	< 0.5	Aquatic Acute 1; H400
Registration Number	01-2119638275-36-XXXX		Aquatic Chronic 2; H411
			M=1
(E)-4-Methyldec-3-en-5-ol			
CAS Number	81782-77-6		Aquatic Acute 1; H400
EC Number	279-815-0		Aquatic Chronic 2; H411
Index Number	not given	< 0.5	M=1
Registration Number	not yet available		
Allyl heptanoate			
CAS Number	142-19-8		Acute Tox. 3; H301
EC Number	205-527-1		Acute Tox. 3; H311
Index Number	not given	< 0.5	Aquatic Acute 1; H400
Registration Number	01-2119488961-23-XXXX		Aquatic Chronic 2; H411
			M = 10
			ATE _{oral} = 218 mg/kg bw
			ATE _{dermal} = 810 mg/kg bw
Anisaldehyde; 4-Methoxybenzaldehyde			
CAS Number	123-11-5		
EC Number	204-602-6		
Index Number	not given	< 0.3	Repr. 2; H361fd
Registration Number	01-2119977101-43-XXXX		Aquatic Chronic 3; H412
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde			

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CAS Number	not given (68039-49-6)		Skin Irrit. 2; H315
EC Number	943-728-2 (268-264-1)		Skin Sens. 1B; H317
Index Number	not given	< 0.3	Aquatic Chronic 2; H411
Registration Number	01-2119982384-28-XXXX		

Methyl cinnamate; (E)-Methyl 3-phenylprop-2-enoate

CAS Number	103-26-4		
EC Number	203-093-8		
Index Number	not given	< 0.2	Skin Sens. 1B; H317
Registration Number	01-2119979458-16-XXXX		

Full text of classifications and H-phrases: see section 16.

SECTION 4: First aid measures

In all cases keep the victim at physical and mental rest and warm. In case of doubt or if symptoms persist, seek medical attention. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Protect yourself during rescue work.

4.1. Description of first aid measures

Inhalation

Interrupt the exposure, move the person to the fresh air. In case of persistent nausea, seek medical advice.

Skin contact

Remove contaminated clothing, shoes, and wash affected skin thoroughly with water (preferably lukewarm) and soap. Do not use solvents or thinners. If the problem persists, seek medical advice.

Eye contact

Rinse with a gentle stream of water for at least 15 minutes. Keep your eyelids wide open with your thumb and forefinger. If the affected person is wearing contact lenses, remove them before rinsing eyes if it is easy. If pain or redness persists, seek medical advice.

Ingestion

Rinse your mouth and then drink plenty of water. Do not induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Seek medical advice.

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

Are not known.

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

Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product is non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Strong streams of water may be ineffective.

5.2. Special hazards arising from the substance or mixture

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In case of fire extinguishing prevent leakage of water and rest of product into drains. Collect them separately and dispose of safely in accordance with current legislation and applicable local regulations.

In case of fires, hazardous combustion gases are formed: carbon oxides and products of incomplete combustion.

5.3. Advice for firefighters

Stop further leakage of product if possible. Spilled product, which does not burn, cover with sand or foam. Move containers and barrels away from the fire to a safe place, if possible. Cool all affected containers down with flooding quantities of water. If the fire can't be extinguished - evacuate the premises.

In case of fire, wear suitable respiratory protective equipment and fire-fighting suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes, use suitable protective equipment and clothing, see Section 8. Ensure adequate ventilation. Avoid formation of vapour and aerosol. At the point of leakage, prevent the movement of unauthorized persons.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. If this cannot be avoided, inform the competent authorities (police and firefighters) immediately.

6.3. Methods and material for containment and cleaning up

According to the amount of spilled liquid, drain away the substance (large spillage) or in case of small spillage, absorb it with suitable absorbent (vermiculite, dry sand), put into labelled closed containers and dispose of them accordingly to Section 13. Flush residues with water and collect it for waste disposal. Do not use solvents or dispersants unless instructed by an expert or government authority.

If container is damaged, remove the content to the new undamaged container and label it properly again.

6.4. Reference to other sections

Refer also to the provisions of sections 7, 8 and 13 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Personal protection see Section 8. Ensure good ventilation to prevent formation of vapour and aerosol.

Smoking, eating and drinking should be prohibited at the place of use. Keep safety regulations for handling chemicals. Take off contaminated clothing and protective equipment before entering the dining area. Do not use dirty clothing. After work wash yourself carefully with warm water and soap, take a shower. Use protective cream.

7.2. Conditions for safe storage, including any incompatibilities

Store in original, tightly closed containers, in a dry, cool and well-ventilated place at room temperature. Do not store together with incompatible materials (see subsection 10.5), food, drink and feed.

7.3. Specific end use(s)

See subsection 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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8.1.1. Exposure limit value

Not determined.

8.1.2. Biological limit values

Not determined in EU.

8.1.3. DNEL and PNEC values

3-Methoxy-3-methylbutan-1-ol

CAS: 56539-66-3

DNEL

Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	80 mg/m ³
Workers	Dermal	Systemic effect	Long term	6.25 mg/kg/day
General population	Inhalation	Systemic effect	Long term	40 mg/m ³
General population	Dermal	Systemic effect	Long term	3.1 mg/kg/day
General population	Oral	Systemic effect	Long term	2.5 mg/kg/day

PNEC - not available

3,7-Dimethyloctan-3-ol

CAS: 78-69-3

DNEL

Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	11.14 mg/m ³
Workers	Dermal	Systemic effect	Long term	3.16 mg/kg/day
Workers	Dermal	Local effect	Long term	190 µg/cm ²
General population	Inhalation	Systemic effect	Long term	2.75 mg/m ³
General population	Dermal	Systemic effect	Long term	1.58 mg/kg/day
General population	Dermal	Local effect	Long term	190 µg/cm ²
General population	Oral	Systemic effect	Long term	1.58 mg/kg/day

PNEC

Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0.009 mg/l	0.001 mg/l	0.089 mg/l	not given	450 mg/l

PNEC

Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
0.082 mg/kg	0.008 mg/kg	no effect	0.011 mg/kg	no effect

Hexyl salicylate

CAS: 6259-76-3

DNEL

Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	5.37 mg/m ³
Workers	Dermal	Systemic effect	Long term	13.93 mg/kg/day

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Workers	Dermal	Local effect	Long term	885 µg/cm ²
Workers	Dermal	Local effect	Acute/short term	885 µg/cm ²
General population	Inhalation	Systemic effect	Long term	0.94 mg/m ³
General population	Dermal	Systemic effect	Long term	6.96 mg/kg/day
General population	Dermal	Local effect	Long term	442.5 µg/cm ²
General population	Dermal	Local effect	Acute/short term	442.5 µg/cm ²
General population	Oral	Systemic effect	Long term	0.54 mg/kg/day
PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0.001 mg/l	0 mg/l	0.004 mg/l	0.004 mg/l	10 mg/l
PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
0.163 mg/kg	0.016 mg/kg	not given	1.786 mg/kg	not given
2,6-Dimethyloct-7-en-2-ol				CAS: 18479-58-8
DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	4.85 mg/m ³
Workers	Dermal	Systemic effect	Long term	9.7 mg/kg/day
General population	Inhalation	Systemic effect	Long term	1.22 mg/m ³
General population	Dermal	Systemic effect	Long term	3.4 mg/kg/day
General population	Oral	Systemic effect	Long term	0.7 mg/kg/day
PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0.108 mg/l	0.011 mg/l	0.278 mg/l	not given	10 mg/l
PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
2.309 mg/kg	0.231 mg/kg	no effect	0.397 mg/kg	not given
Benzyl acetate				CAS: 140-11-4
DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	9 mg/m ³
Workers	Dermal	Systemic effect	Long term	2.5 mg/kg/day
General population	Inhalation	Systemic effect	Long term	2.2 mg/m ³
General population	Dermal	Systemic effect	Long term	1.3 mg/kg/day

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General population	Oral	Systemic effect	Long term	1.3 mg/kg/day
PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
0.018 mg/l	0.002 mg/l	Fresh water	Marine water	8.55 mg/l
0.04 mg/l	not given			
PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
0.526 mg/kg	0.053 mg/kg	no effect	0.094 mg/kg	no effect
4,6,6,7,8,8-Hexamethyl-1,3,4,6,7,8-hexahydroindeno[5,6-c]pyran				CAS: 1222-05-5
DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	13.5 mg/m ³
Workers	Dermal	Systemic effect	Long term	36.7 mg/kg/day
General population	Inhalation	Systemic effect	Long term	4 mg/m ³
General population	Dermal	Systemic effect	Long term	22 mg/kg/day
General population	Oral	Systemic effect	Long term	2.3 mg/kg/day
PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
6.8 µg/l	0.44 µg/l	Fresh water	Marine water	1 mg/l
not given	not given			
PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
2 mg/kg	0.394 mg/kg	no effect	1.5 mg/kg	20.4 mg/kg food
A mixture of: cis-tetrahydro-2-isobutyl-4-methylpyran-4-ol; trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol				CAS: 63500-71-0
DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	44.1 mg/m ³
Workers	Dermal	Systemic effect	Long term	41.7 mg/kg/day
General population	Inhalation	Systemic effect	Long term	13 mg/m ³
General population	Dermal	Systemic effect	Long term	25 mg/kg/day
General population	Oral	Systemic effect	Long term	7.5 mg/kg/day
PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
0.094 mg/l	0.009 mg/l	Fresh water	Marine water	10 mg/l
0.94 mg/l	not given			

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PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
0.412 mg/kg	0.041 mg/kg	no effect	0.09 mg/kg	no effect
3-p-Cumenyl-2-methylpropionaldehyde				CAS: 103-95-7
DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	1.23 mg/m ³
Workers	Dermal	Systemic effect	Long term	0.35 mg/kg/day
General population	Inhalation	Systemic effect	Long term	0.22 mg/m ³
General population	Dermal	Systemic effect	Long term	0.13 mg/kg/day
General population	Oral	Systemic effect	Long term	0.13 mg/kg/day
PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
8.8 µg/l	0.88 µg/l	14 µg/l	not given	1 mg/l
PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
1.02 mg/kg	0.102 mg/kg	no effect	0.199 mg/kg	2 mg/kg food
Allyl heptanoate				CAS: 142-19-8
DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	2.97 mg/m ³
Workers	Dermal	Systemic effect	Long term	0.84 mg/kg/day
General population	Inhalation	Systemic effect	Long term	0.73 mg/m ³
General population	Dermal	Systemic effect	Long term	0.42 mg/kg/day
General population	Oral	Systemic effect	Long term	0.42 mg/kg/day
PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
5.05 µg/l	0.505 µg/l	not given	not given	10 mg/l
PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
0.507 mg/kg	0.051 mg/kg	not given	0.098mg/kg	not given
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde				ES: 943-728-2
DNEL				

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Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	4.93 mg/m ³
Workers	Dermal	Systemic effect	Long term	1.4 mg/kg/day
General population	Inhalation	Systemic effect	Long term	0.87 mg/m ³
General population	Dermal	Systemic effect	Long term	0.5 mg/kg/day
General population	Oral	Systemic effect	Long term	0.5 mg/kg/day
PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
74 µg/l	7.4 µg/l	71 µg/l	7.1 µg/l	2.027 mg/l
PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
1.44 mg/kg	0.144 mg/kg	no effect	0.244 mg/kg	no effect
Methyl cinnamate				CAS: 103-26-4
DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	28.2 mg/m ³
Workers	Dermal	Systemic effect	Long term	4 mg/kg/day
General population	Inhalation	Systemic effect	Long term	6.96 mg/m ³
General population	Dermal	Systemic effect	Long term	2mg/kg/day
General population	Oral	Systemic effect	Long term	2 mg/kg/day
PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
2.76 µg/l	0.276 µg/l	27.6 µg/l	not given	1.81 mg/l
PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
74 µg/kg	7.4 µg/kg	no effect	13 µg/kg	no effect
Anisaldehyde				CAS: 123-11-5
DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	5.88 mg/m ³
Workers	Dermal	Systemic effect	Long term	3.33 mg/kg/den
General population	Inhalation	Systemic effect	Long term	1.74 mg/m ³
General population	Dermal	Systemic effect	Long term	2 mg/kg/den

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General population	Oral	Systemic effect	Long term	1 mg/kg/den
PNEC				
Fresh water	Marine water	Intermittent releases Fresh water	Marine water	Sewage Treatment Plant (STP)
13 µg/l	1.3 µg/l	811.1 µg/l	not given	8.5 mg/l
PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
0.06 mg/kg	0.006 mg/kg	no effect	0.004 mg/kg	no effect
8.2. Exposure controls				
8.2.1. Appropriate engineering controls				
Use only in well-ventilated areas. Observe usual safety precautions for working with chemicals. The degree of effectiveness of personal protective equipment depends on temperature and ventilation levels.				
8.2.2. Individual protection measures, such as personal protective equipment				
Do not eat, drink or smoke. After work, wash thoroughly with warm water and soap and take a shower. Use protective cream. Do not soiled protective equipment to wash, do not use solvents.				
Eye/face protection				
Wear safety goggles or face shield when manufacturing and handling the product (EN 166, EN 149+A1). It is not necessary for normal use, in case of possible contact with the eyes, use protective glasses or a face shield.				
Skin protection - hand protection				
Wear protective gloves when manufacturing and handling the product (EN 374-1, EN 374-2). In normal use it is not necessary to use protective gloves. Wear protective gloves in case of prolonged skin contact. The selection of the glove material on consideration of the breakthrough time, permeability, degradation and next relevant factors; other chemicals that may come into contact, physical requirements (cut and puncture protection, dexterity, thermal protection), possible body reactions to the glove material and the glove supplier's instructions and specifications. In case of repeated use of gloves, clean and keep them in a well-ventilated place before taking off.				
Skin protection - other				
In normal use is not necessary. Wear protective working clothing and protective footwear when manufacturing and handling the product.				
Respiratory protection				
Not necessary in case of compliance concentration limits (if they were exceeded, use respiratory protection). In the event of an accident or a fire use self-contained breathing apparatus.				
Thermal hazards				
In normal use, it is not necessary to use protective equipment to be worn for materials that represent a thermal hazard.				
8.2.3. Environmental exposure controls				
Uncontrolled release of the mixture into environment is to be avoided. Keep the emission limits according to national legislation.				

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CLEAMEN PERFUME ZONE Tivano

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Mixture

Physical state	Liquid.
Colour	Yellowish, clear.
Odour	Not determined.
Melting point/freezing point	Not determined.
Boiling point or initial boiling point and boiling range	Not determined.
Flammability	Not determined.
Lower explosion limit	Not determined.
Upper explosion limit	Not determined.
Flash point	Not determined.
Auto-ignition temperature	Not determined.
Decomposition temperature	Not determined, the mixture does not contain self-reactive substances or organic peroxides.
pH	5 - 7.
Kinematic viscosity	Not determined, the mixture does not contain a substance classified as aspiration toxic, or the sum of the concentrations of substances classified as aspiration toxic is less than 10 wt. %.
Solubility	Not determined.
Partition coefficient n-octanol/water (log value)	Does not apply to mixture.
Vapour pressure	Not determined.
Density and/or relative density	0.9398 g/cm ³ (20 °C).
Relative vapour density	Not determined.
Particle characteristics	Does not apply to liquid.

3-Methoxy-3-methylbutan-1-ol

CAS: 56539-66-3

Physical state	Liquid.
Colour	Not determined.
Odour	Not determined.
Melting point/freezing point	< -50 °C (OECD 102).
Boiling point or initial boiling point and boiling range	173 °C (OECD 103).
Flammability	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
Lower explosion limit	1.2 vol. % (literature).
Upper explosion limit	13.1 vol. % (literature).

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Flash point	71 °C (literature).
Auto-ignition temperature	395 °C (literature).
Decomposition temperature	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
pH	Not determined.
Kinematic viscosity	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
Solubility	≥ 100 g/l (20 °C, pH = 5.6, OECD 105).
Partition coefficient n-octanol/water (log value)	log Pow = 0.18 (24.8 °C, pH = 6.4, OECD 107).
Vapour pressure	80 Pa (25 °C, OECD 104).
Density and/or relative density	0.91 g/cm ³ (20 °C, literature).
Relative vapour density	Not determined.
Particle characteristics	Does not apply to liquid.
3,7-Dimethyloctan-3-ol CAS: 78-69-3	
Physical state	Liquid.
Colour	Colourless.
Odour	Not determined.
Melting point/freezing point	-56 °C (literature).
Boiling point or initial boiling point and boiling range	197 °C (literature).
Flammability	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
Lower explosion limit	Not determined.
Upper explosion limit	Not determined.
Flash point	77 °C (DIN 51-758).
Auto-ignition temperature	360 °C (DIN 51794).
Decomposition temperature	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
pH	Not determined.
Kinematic viscosity	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
Solubility	320 mg/l (25 °C, pH = 9, literature).
Partition coefficient n-octanol/water (log value)	log Pow = 3.3 (20 °C, OECD 107).
Vapour pressure	0.111 (19.6 °C, literature).
Density and/or relative density	826 g/l (25 °C, literature).
Relative vapour density	Not determined.
Particle characteristics	Does not apply to liquid.

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Hexyl salicylate		CAS: 6259-76-3
<i>Physical state</i>	Liquid.	
<i>Colour</i>	Colourless.	
<i>Odour</i>	Not determined.	
<i>Melting point/freezing point</i>	< 269 K (OECD 102).	
<i>Boiling point or initial boiling point and boiling range</i>	297.84 °C (OECD 103).	
<i>Flammability</i>	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.	
<i>Lower explosion limit</i>	Not determined.	
<i>Upper explosion limit</i>	Not determined.	
<i>Flash point</i>	151 °C (EU method A.9).	
<i>Auto-ignition temperature</i>	ca. 251 °C (EU method A.15).	
<i>Decomposition temperature</i>	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.	
<i>pH</i>	Not determined.	
<i>Kinematic viscosity</i>	Not specified, it is not a hydrocarbon or a chlorinated hydrocarbon.	
<i>Solubility</i>	2 mg/l (23 °C, pH = ca. 7, OECD 105).	
<i>Partition coefficient n-octanol/water (log value)</i>	5.5 (30 °C, pH = ca. 7, OECD 117).	
<i>Vapour pressure</i>	7.7*10 ⁻⁵ kPa (23 °C).	
<i>Density and/or relative density</i>	1.038 g/cm ³ (20 °C).	
<i>Relative vapour density</i>	Not determined.	
2,6-Dimethyloct-7-en-2-ol		CAS: 18479-58-8
<i>Physical state</i>	Liquid.	
<i>Colour</i>	Colourless.	
<i>Odour</i>	Not determined.	
<i>Melting point/freezing point</i>	< -20 °C (OECD 102).	
<i>Boiling point or initial boiling point and boiling range</i>	193 °C (OECD 103).	
<i>Flammability</i>	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.	
<i>Lower explosion limit</i>	Not determined.	
<i>Upper explosion limit</i>	Not determined.	
<i>Flash point</i>	76 °C (EU method A.9).	
<i>Auto-ignition temperature</i>	306 °C (EU method A.15).	

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Decomposition temperature	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
pH	Not determined.
Kinematic viscosity	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
Solubility	0.939 g/l (20 °C, pH = 6.3, EU method A.6).
Partition coefficient n-octanol/water (log value)	log Pow = 3.25 (40 °C, pH = 7, OECD 117).
Vapour pressure	20 Pa (25 °C, EU method A.4).
Density and/or relative density	D ₄ ²⁰ = 0.832 (OECD 109).
Relative vapour density	Not determined.
Particle characteristics	Does not apply to liquid.
Benzyl acetate CAS: 140-11-4	
Physical state	Liquid.
Colour	Colourless.
Odour	Not determined.
Melting point/freezing point	-51.5 °C (literature).
Boiling point or initial boiling point and boiling range	213.5 °C (literature).
Flammability	Not determined.
Lower explosion limit	Not determined.
Upper explosion limit	Not determined.
Flash point	102 °C (literature).
Auto-ignition temperature	460 °C (literature).
Decomposition temperature	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
pH	Not determined.
Kinematic viscosity	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
Solubility	0.266 hm. % (20 °C, pH = 7, literature).
Partition coefficient n-octanol/water (log value)	log Pow = 1.96 (25 °C, pH = 7, literature).
Vapour pressure	Not determined.
Density and/or relative density	D ₄ ²⁵ = 1.054 (literature).
Relative vapour density	Not determined.
Particle characteristics	Does not apply to liquid.
4,6,6,7,8,8-Hexamethyl-1,3,4,6,7,8-hexahydroindeno[5,6-c]pyran CAS: 1222-05-5	
Physical state	Liquid.
Colour	Colourless.

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CLEAMEN PERFUME ZONE Tivano

Odour	Not determined.
Melting point/freezing point	< -20 °C (OECD 102).
Boiling point or initial boiling point and boiling range	318 °C (OECD 103).
Flammability	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
Lower explosion limit	Not determined.
Upper explosion limit	Not determined.
Flash point	144 °C (EU method A.9).
Auto-ignition temperature	355 °C (EU method A.15).
Decomposition temperature	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
pH	Not determined.
Kinematic viscosity	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
Solubility	1.65 mg/l (25 °C, pH = 7, OECD 105). 1.99 mg/l (25 °C, pH = 5, OECD 105). 1.69 mg/l (25 °C, pH = 9, OECD 105).
Partition coefficient n-octanol/water (log value)	log Pow = 5.3 (25 °C, pH = 7, OECD 117).
Vapour pressure	Not determined.
Density and/or relative density	0.99 - 1.015 g/cm ³ (20 °C, OECD 109).
Relative vapour density	Not determined.
Particle characteristics	Does not apply to liquid.
A mixture of: cis-tetrahydro-2-isobutyl-4-methylpyran-4-ol; trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol	
CAS: 63500-71-0	
Physical state	Liquid.
Colour	Not determined.
Odour	Not determined.
Melting point/freezing point	< -100 °C (OECD 102).
Boiling point or initial boiling point and boiling range	226.9 °C (OECD 104).
Flammability	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
Lower explosion limit	Not determined.
Upper explosion limit	Not determined.
Flash point	106 °C (EU method A.9).
Auto-ignition temperature	328 °C (EU method A.15).
Decomposition temperature	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.

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CLEAMEN PERFUME ZONE Tivano

pH	Not determined.
Kinematic viscosity	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
Solubility	ca. 23.653 g/l (23 °C, pH = ca. 5.28, EU method A.6).
Partition coefficient n-octanol/water (log value)	log Pow = ca. 1.65 (23 °C, pH = > 6.09 - < 6.74, EU method A.8).
Vapour pressure	0.01 hPa (20 °C, EU method A.4). 0.26 hPa (50 °C, EU method A.4).
Density and/or relative density	D ₄ ²⁰ = 0.95 (OECD 109).
Relative vapour density	Not determined.
Particle characteristics	Does not apply to liquid.
3-p-Cumenyl-2-methylpropionaldehyde CAS: 103-95-7	
Physical state	Liquid.
Colour	Colourless to light yellow.
Odour	Fragrant.
Melting point/freezing point	< - 50 °C (OECD 102).
Boiling point or initial boiling point and boiling range	234 °C (OECD 103).
Flammability	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
Lower explosion limit	Not determined.
Upper explosion limit	Not determined.
Flash point	120 °C (EU method A.9)
Auto-ignition temperature	250 °C (EU method A.15)
Decomposition temperature	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
pH	Not determined.
Kinematic viscosity	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
Solubility	66 mg/l (20 °C, pH = 5, EU method A.6). 75 mg/l (20 °C, pH = 6, EU method A.6).
Partition coefficient n-octanol/water (log value)	log Pow = 3.4 (35 °C, OECD 117).
Vapour pressure	45.9 mN/m (21 °C, concentration 0.008 g/l, Ring method).
Density and/or relative density	0.948 g/ml (20 °C, EU method A.3).
Relative vapour density	Not determined.
Particle characteristics	Does not apply to liquid.
Allyl heptanoate CAS: 142-19-8	

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Physical state	Liquid.
Colour	Colourless to yellowish.
Odour	Not determined.
Melting point/freezing point	Not determined.
Boiling point or initial boiling point and boiling range	202.4 °C (literature).
Flammability	Not determined.
Lower explosion limit	Not determined.
Upper explosion limit	Not determined.
Flash point	79 °C (ISO 2719).
Auto-ignition temperature	Not determined.
Decomposition temperature	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
pH	Not determined.
Kinematic viscosity	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
Solubility	0.043 g/l (20 °C, pH > 4 - < 7, OECD 105).
Partition coefficient n-octanol/water (log value)	log Pow = 3.97 (20 °C, pH = 5.3, OECD 107).
Vapour pressure	0,227 mmHg (25 °C, (Q)SAR method).
Density and/or relative density	D ₄ ²⁰ = 0.884 (OECD 109).
Relative vapour density	Not determined.
Particle characteristics	Does not apply to liquid.
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	
ES: 943-728-2	
Physical state	Liquid.
Colour	Not determined.
Odour	Not determined.
Melting point/freezing point	< -50 °C (OECD 102).
Boiling point or initial boiling point and boiling range	195 °C (OECD 103).
Flammability	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
Lower explosion limit	Not determined.
Upper explosion limit	Not determined.
Flash point	70 °C (EU method A.9).
Auto-ignition temperature	230 °C (EU method A.15).

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Decomposition temperature	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
pH	Not determined.
Kinematic viscosity	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
Solubility	0.91 g/l (20 °C, pH = ca. 7, EU metoda A.6).
Partition coefficient n-octanol/water (log value)	log Pow = 2.7 (25 °C, OECD 117).
Vapour pressure	36 Pa (20 °C, OECD 104).
Density and/or relative density	$D_4^{20} = 0.929$ (OECD 109).
Relative vapour density	Not determined.
Particle characteristics	Does not apply to liquid.
Methyl cinnamate	CAS: 103-26-4
Physical state	Solid.
Colour	Colourless to slightly yellow.
Odour	Not determined.
Melting point/freezing point	34.9 °C (OECD 102).
Boiling point or initial boiling point and boiling range	265.4 °C (OECD 103).
Flammability	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
Lower explosion limit	Does not apply to solid.
Upper explosion limit	Does not apply to solid.
Flash point	Does not apply to solid.
Auto-ignition temperature	438 °C (EU method A.15).
Decomposition temperature	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
pH	4.6 (c = 299 mg/l, 20 °C, literatura).
Kinematic viscosity	Does not apply to solid.
Solubility	286 mg/l (25 °C, pH = 3.84 - 4.2, EU method A.6).
Partition coefficient n-octanol/water (log value)	log Pow = 2.68 (25 °C, > 4.73 - < 7.06, EU method A.8).
Vapour pressure	0.73 Pa (25 °C, EU method A.4).
Density and/or relative density	$D_4^{20} = 1.32$ (EU method A.3).
Relative vapour density	Does not apply to solid.
Particle characteristics	Not determined.
Anisaldehyde	CAS: 123-11-5

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CLEAMEN PERFUME ZONE Tivano

Physical state	Liquid.
Colour	Yellowish.
Odour	Not determined.
Melting point/freezing point	0 °C (literature).
Boiling point or initial boiling point and boiling range	250 °C (literature).
Flammability	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
Lower explosion limit	Not determined.
Upper explosion limit	Not determined.
Flash point	124 °C (DIN 51858).
Auto-ignition temperature	220 °C (DIN 51794).
Decomposition temperature	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
pH	Not determined.
Kinematic viscosity	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
Solubility	2 g/l (20 °C, literature).
Partition coefficient n-octanol/water (log value)	log Pow = 1.56 (25 °C, pH > 7.9 - < 8.25, OECD 107).
Vapour pressure	0.029 hPa (20 °C, literature).
Density and/or relative density	D ₄ ²⁰ = 1.123 (literature).
Relative vapour density	Not determined.
Particle characteristics	Does not apply to liquid.

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Mixture

The mixture does not contain relevant substances classified as hazardous to the physical classes, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

3-Methoxy-3-methylbutan-1-ol

CAS: 56539-66-3

Explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

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CLEAMEN PERFUME ZONE Tivano

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

Flammable solids

It is not solid.

Self-reactive substances and mixtures

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

Pyrophoric liquids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Pyrophoric solids

It is not solid.

Self-heating substances and mixtures

Data for the substance are not available.

The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible with water and forms a stable mixture with it.

Oxidising liquids

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

Oxidizing solids

It is not solid.

Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

Data for the substance are not available.

The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

3,7-Dimethyloctan-3-ol

CAS: 78-69-3

Explosives

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CLEAMEN PERFUME ZONE Tivano

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

Flammable solids

It is not solid.

Self-reactive substances and mixtures

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

Pyrophoric liquids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Pyrophoric solids

It is not solid.

Self-heating substances and mixtures

Data for the substance are not available.

The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible with water and forms a stable mixture with it.

Oxidising liquids

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

Oxidizing solids

It is not solid.

Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

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CLEAMEN PERFUME ZONE Tivano

Data for the substance are not available.

The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Hexyl salicylate

CAS: 6259-76-3

Explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

Flammable solids

It is not solid.

Self-reactive substances and mixtures

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

Pyrophoric liquids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Pyrophoric solids

It is not solid.

Self-heating substances and mixtures

Data for the substance are not available.

The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible in water and forms a stable mixture with it.

Oxidising liquids

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CLEAMEN PERFUME ZONE Tivano

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

Oxidizing solids

It is not solid.

Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

Data for the substance are not available.

The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

2,6-Dimethyloct-7-en-2-ol

CAS: 18479-58-8

Explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not an aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

Flammable solids

It is not solid.

Self-reactive substances and mixtures

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

Pyrophoric liquids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Pyrophoric solids

It is not solid.

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CLEAMEN PERFUME ZONE Tivano

Self-heating substances and mixtures

Data for the substance are not available.
The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.
The chemical structure of the substance does not contain metals or metalloids.
The substance is miscible with water and forms a stable mixture with it.

Oxidising liquids

Data for the substance are not available.
It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

Oxidizing solids

It is not solid.

Organic peroxides

Data for the substance are not available.
The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

Data for the substance are not available.
The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.
The substance does not contain chemical groups associated with explosive properties.

Benzyl acetate

CAS: 140-11-4

Explosives

Data for the substance are not available.
The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not an aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

Flammable solids

It is not solid.

Self-reactive substances and mixtures

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CLEAMEN PERFUME ZONE Tivano

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

Pyrophoric liquids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Pyrophoric solids

It is not solid.

Self-heating substances and mixtures

Data for the substance are not available.

The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible with water and forms a stable mixture with it.

Oxidising liquids

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

Oxidizing solids

It is not solid.

Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

Data for the substance are not available.

The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

4,6,6,7,8,8-Hexamethyl-1,3,4,6,7,8-hexahydroindeno[5,6-c]pyran

CAS: 1222-05-5

Explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

It is not gas.

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CLEAMEN PERFUME ZONE Tivano

<i>Gases under pressure</i>
It is not gas.
<i>Flammable liquids</i>
The substance is not classified as flammable liquid according to the value of the flash point and boiling point.
<i>Flammable solids</i>
It is not solid.
<i>Self-reactive substances and mixtures</i>
Data for the substance are not available. The substance does not contain chemical groups associated with explosive or self-reactive properties.
<i>Pyrophoric liquids</i>
Data for the substance are not available. The substance is stable in air, there is no spontaneous ignition.
<i>Pyrophoric solids</i>
It is not solid.
<i>Self-heating substances and mixtures</i>
Data for the substance are not available. The substance is not classified as self-heating.
<i>Substances and mixtures, which emit flammable gases in contact with water</i>
Data for the substance are not available. The chemical structure of the substance does not contain metals or metalloids. The substance is miscible with water and forms a stable mixture with it.
<i>Oxidising liquids</i>
Data for the substance are not available. It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.
<i>Oxidizing solids</i>
It is not solid.
<i>Organic peroxides</i>
Data for the substance are not available. The substance does not contain a bivalent group -O-O- with at least one organic radical.
<i>Corrosive to metals</i>
Data for the substance are not available. The substance is not classified as corrosive to metal.
<i>Desensitised explosives</i>
Data for the substance are not available. The substance does not contain chemical groups associated with explosive properties.
A mixture of: cis-tetrahydro-2-isobutyl-4-methylpyran-4-ol; trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol
CAS: 63500-71-0
<i>Explosives</i>

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according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

CLEAMEN PERFUME ZONE Tivano

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

Flammable solids

It is not solid.

Self-reactive substances and mixtures

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

Pyrophoric liquids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Pyrophoric solids

It is not solid.

Self-heating substances and mixtures

Data for the substance are not available.

The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible with water and forms a stable mixture with it.

Oxidising liquids

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

Oxidizing solids

It is not solid.

Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

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CLEAMEN PERFUME ZONE Tivano

Data for the substance are not available.

The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

3-p-Cumenyl-2-methylpropionaldehyde

CAS: 103-95-7

Explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

Flammable solids

It is not solid.

Self-reactive substances and mixtures

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

Pyrophoric liquids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Pyrophoric solids

It is not solid.

Self-heating substances and mixtures

Data for the substance are not available.

The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible with water and forms a stable mixture with it.

Oxidising liquids

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CLEAMEN PERFUME ZONE Tivano

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

Oxidizing solids

It is not solid.

Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

Data for the substance are not available.

The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Allyl heptanoate

CAS: 142-19-8

Explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

Flammable solids

It is not solid.

Self-reactive substances and mixtures

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

Pyrophoric liquids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Pyrophoric solids

It is not solid.

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CLEAMEN PERFUME ZONE Tivano

Self-heating substances and mixtures

Data for the substance are not available.
The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.
The chemical structure of the substance does not contain metals or metalloids.
The substance is miscible with water and forms a stable mixture with it.

Oxidising liquids

Data for the substance are not available.
It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

Oxidizing solids

It is not solid.

Organic peroxides

Data for the substance are not available.
The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

Data for the substance are not available.
The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.
The substance does not contain chemical groups associated with explosive properties.

Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde

ES: 943-728-2

Explosives

Data for the substance are not available.
The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

Flammable solids

It is not solid.

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CLEAMEN PERFUME ZONE Tivano

Self-reactive substances and mixtures

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

Pyrophoric liquids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Pyrophoric solids

It is not solid.

Self-heating substances and mixtures

Data for the substance are not available.

The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible with water and forms a stable mixture with it.

Oxidising liquids

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

Oxidizing solids

It is not solid.

Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

Data for the substance are not available.

The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Methyl cinnamate

CAS: 103-26-4

Explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

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CLEAMEN PERFUME ZONE Tivano

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

It is not liquid.

Flammable solids

Data for the substance are not available.

The substance is not classified as flammable solid.

Self-reactive substances and mixtures

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

Pyrophoric liquids

It is not liquid.

Pyrophoric solids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Self-heating substances and mixtures

Data for the substance are not available.

The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is soluble in water and forms a stable mixture with it.

Oxidising liquids

It is not liquid.

Oxidizing solids

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

Data for the substance are not available.

The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Anisaldehyde

CAS: 123-11-5

SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

CLEAMEN PERFUME ZONE Tivano

Explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

Flammable solids

It is not solid.

Self-reactive substances and mixtures

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

Pyrophoric liquids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Pyrophoric solids

It is not solid.

Self-heating substances and mixtures

Data for the substance are not available.

The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible with water and forms a stable mixture with it.

Oxidising liquids

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

Oxidizing solids

It is not solid.

Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

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CLEAMEN PERFUME ZONE Tivano

Corrosive to metals

Data for the substance are not available.
The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.
The substance does not contain chemical groups associated with explosive properties.

9.2.2. Other safety characteristics

Mechanical sensitivity	Not determined, it is not an explosive substance.
Self-accelerating polymerisation temperature	Not determined, it is not a polymerising substance.
Formation of explosible dust/air mixtures	Not determined, it is not a dust.
Acid/alkaline reserve	Not determined, pH is in the range 4 - 10.
Evaporation rate	Not determined.
Miscibility	Not determined.
Conductivity	Not determined.
Corrosiveness	Not determined.
Gas group	Not determined, it is not gas.
Redox potential	Not determined.
Radical formation potential	Not determined.
Photocatalytic properties	Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is stable under normal conditions of use. There aren't any hazardous reaction.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions aren't known under normal conditions of use.

10.4. Conditions to avoid

Protect from temperatures below 0 °C.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

They do not form under normal use. Burning releases carbon oxides and products of incomplete combustion.

SECTION 11: Toxicological information

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

Mixture

Acute toxicity

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according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

CLEAMEN PERFUME ZONE Tivano

The mixture is not classified as toxic for all routes of exposure.

Oral

Data for the mixture are not available.

ATE_{mixture} > 2 000 mg/kg bw (estimate, low concentration of substance classified as toxic oral route of exposure).

Dermal

Data for the mixture are not available.

ATE_{mixture} > 2 000 mg/kg bw (estimate, low concentration of substance classified as toxic dermal route of exposure).

Inhalation

Data for the mixture are not available.

The mixture does not contain relevant substances classified as an acute toxicity by inhalation route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Skin corrosion/irritation

Data for the mixture are not available.

The mixture is not classified as skin irritant based on the general/specific concentration limits of substance(s).

Serious eye damage/irritation

Data for the mixture are not available.

The mixture is classified as eye irritant based on the general/specific concentration limits of substance(s).

Respiratory or skin sensitisation

Data for the mixture are not available.

The mixture is classified as a skin sensitizing in category 1 according to the general/specific concentration limits of substance(s).

The mixture contains other sensitizing substance(s) with an elicitation limit that can cause an allergic reaction.

Germ cell mutagenicity

Data for the mixture are not available.

The mixture does not contain relevant substances classified as mutagenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Carcinogenicity

Data for the mixture are not available.

The mixture does not contain relevant substances classified as carcinogenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Reproductive toxicity

Data for the mixture are not available.

The mixture is not classified as toxic for reproduction according to the general/specific concentration limits of substance(s).

STOT – single exposure

Data for the mixture are not available.

The mixture is not classified as toxic for specific target organs in a single exposure in category 3 according to the recommended concentration limits of substance(s).

STOT – repeated exposure

Data for the mixture are not available.

The mixture does not contain relevant substances classified as toxic for specific target organs in a repeated exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

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CLEAMEN PERFUME ZONE Tivano

Aspiration hazard

Data for the mixture are not available.

The mixture does not contain relevant substances classified as aspiration hazard or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Other information

See sections 2 and 4.

3-Methoxy-3-methylbutan-1-ol

CAS: 56539-66-3

Acute toxicity

Oral Based on available data, the classification criteria are not met.
LD₅₀ = 4 400 mg/kg bw (rat, OECD 401).

Dermal Based on available data, the classification criteria are not met.
LD₅₀ > 2 000 bw (rat, OECD 402).

Inhalation Based on available data, the classification criteria are not met.
LC₅₀ > 5 mg/l (rat, mist, 4 hours, no deaths observed, OECD 436).

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Mean erythema score = 0 and oedema = 0 (rabbit, 72 hrs., EPA OPP 81-5).

Serious eye damage/irritation

The substance is classified as eye irritant (rabbit, 72 hrs., EPA OPP 81-4).

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Not skin sensitising (guinea pig, maximisation test).

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Negative (OECD 471, OECD 473, OECD 476).

Carcinogenicity

Data for the substance are not available.

Reproductive toxicity

Based on available data, the classification criteria are not met.

NOAEL = 1 000 mg/kg/day (rat, oral, generation P0, OECD 421).

NOAEL = 1 000 mg/kg/day (rat, oral, generation F1, OECD 421).

STOT – single exposure

Data for the substance are not available.

STOT – repeated exposure

Based on available data, the classification criteria are not met.

NOAEL = 250 mg/kg/day (hematology, clinical biochemistry, rat, oral, 90 d., OECD 408).

NOAEL = 2 mg/l (rat, mist, 90 d., OECD 413).

Aspiration hazard

SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

CLEAMEN PERFUME ZONE Tivano

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

3,7-Dimethyloctan-3-ol

CAS: 78-69-3

Acute toxicity

Oral Based on available data, the classification criteria are not met.
LD₅₀ = 8 270 mg/kg bw (rat, literature).

Dermal Based on available data, the classification criteria are not met.
LD₅₀ > 5 000 mg/kg bw (rabbit, literature).

Inhalation Data for the substance are not available.

Skin corrosion/irritation

The substance is classified as skin irritant.

Mean score of erythema = 1 (exposure time 15 min, fully reversible after 6 days), 2.5 (exposure time 20 h, fully reversible after 6 days) and edema = 0 (exposure time 15 min), 2 (exposure time 20 h, fully reversible after 6 days) (rabbit, 72 hours).

Serious eye damage/irritation

The substance is classified as eye irritant.

Mean score of corneal opacity = 1 (fully reversible after 7 days), conjunctival redness = 1.5 (not fully reversible after 8 days), conjunctival oedema = 0.75 (not fully reversible after 5 days) (rabbit, 72 hrs., OECD 405).

Respiratory or skin sensitisation

The substance is classified as skin sensitising in category 1B (mouse, OECD 429).

Germ cell mutagenicity

Based on available data, the classification criteria are not met.
Negative (OECD 471, OECD 473, OECD 476).

Carcinogenicity

Data for the substance are not available.

Reproductive toxicity

Data for the substance are not available.

STOT – single exposure

Data for the substance are not available.

STOT – repeated exposure

Based on available data, the classification criteria are not met.

NOAEL = 316 mg/kg/day (body weight and weight gain, clinical biochemistry, hematology, rat, male, oral, 90 d., OECD 408).

NOAEL = 384 mg/kg/day (body weight and weight gain, clinical biochemistry, hematology, rat, female, oral, 90 d., OECD 408).

Aspiration hazard

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

Hexyl salicylate

CAS: 6259-76-3

Acute toxicity

SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

CLEAMEN PERFUME ZONE Tivano

Oral Based on available data, the classification criteria are not met.
LD₅₀ > 5 000 mg/kg bw (rat).

Dermal Based on available data, the classification criteria are not met.
LD₅₀ > 5 000 mg/kg bw (rabbit).

Inhalation Data for the substance are not available.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Mean erythema score = 2 for pure substance (not fully reversible after 168 hours) and 2 for 50% solution DEP (fully reversible after 168 hours) and oedema = 2.16 for pure substance (not fully reversible after 168 hours) and 1.4 for 50% solution DEP (fully reversible after 168 hours) (rabbit, 72 hrs., OECD 404).

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Mean score of corneal opacity = 0.04 (fully reversible after 48 hours), iritis = 0, conjunctival redness = 0.4 (fully reversible after 72 hours), conjunctival oedema = 0.3 (fully reversible after 72 hours) (rabbit, 72 h, OECD 405).

Respiratory or skin sensitisation

The substance is classified as skin sensitising in category 1B (mouse, OECD 429).

Germ cell mutagenicity

Based on available data, the classification criteria are not met.
Negative (OECD 471).

Carcinogenicity

Data for the substance are not available.

Reproductive toxicity

Data for the substance are not available.

The substance is classified as toxic to reproduction category 2, according to harmonized classification – Suspected of damaging the unborn child.

STOT – single exposure

Data for the substance are not available.

STOT – repeated exposure

Data for the substance are not available.

Aspiration hazard

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

2,6-Dimethyloct-7-en-2-ol

CAS: 18479-58-8

Acute toxicity

Oral Based on available data, the classification criteria are not met.
LD₅₀ = 4 100 mg/kg bw (rat, literature).

Dermal Based on available data, the classification criteria are not met.
LD₅₀ > 5 000 mg/kg bw (rabbit, literature).

Inhalation Data for the substance are not available.

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CLEAMEN PERFUME ZONE Tivano

Skin corrosion/irritation

The substance is classified as skin irritant.

Mean erythema score = 2.0 and oedema = 1.9 (not fully reversible after 7 days, rabbit, Annex V, EEC Directive 79/831).

Serious eye damage/irritation

The substance is classified as eye irritant.

Mean irritation score = 39.83 (24 hrs), 31 (48 hrs), 19.17 (72 hrs), 14.83 (4 d), 2.5 (7 d), 0 (10 d) (rabbit, Draize test).

Respiratory or skin sensitisation

Data for the substance are not available.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Negative (OECD 471, OECD 473, OECD 476).

Carcinogenicity

Data for the substance are not available.

Reproductive toxicity

Data for the substance are not available.

STOT – single exposure

Data for the substance are not available.

May cause drowsiness or dizziness.

STOT – repeated exposure

Based on available data, the classification criteria are not met.

NOAEL = 500 mg/kg/day (apparent diuresis effects, rat, oral, 90 d., OECD 408).

Aspiration hazard

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

Benzyl acetate

CAS: 140-11-4

Acute toxicity

Oral

Based on available data, the classification criteria are not met.

LD₅₀ > 2 000 mg/kg bw (rat, OECD 401).

Dermal

Based on available data, the classification criteria are not met.

LD₅₀ > 5 000 mg/kg bw (rabbit).

Inhalation

Based on available data, the classification criteria are not met.

LCL₀ > 0.766 mg/l (vapour, rat, 4 hrs., OECD 403).

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Mean erythema score = 0.89 and oedema = 0.33 (rabbit, EU method B.4).

Serious eye damage/irritation

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according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

CLEAMEN PERFUME ZONE Tivano

Based on available data, the classification criteria are not met.

Mean score of corneal opacity = 0, iritis = 0, conjunctival redness = 0.11 (fully reversible), conjunctival oedema = 0 (rabbit, 72 hrs., OECD 405).

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Not skin sensitising (guinea pig, OECD 406).

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Negative (bacterial reverse mutation assay, OECD 473).

Carcinogenicity

Based on available data, the classification criteria are not met.

NOAEL = 1200 mg/kg/day (rat, oral).

NOAEL = 300 mg/kg/day (histopathology, mouse, oral).

Reproductive toxicity

Data for the substance are not available.

STOT – single exposure

Data for the substance are not available.

STOT – repeated exposure

Based on available data, the classification criteria are not met.

NOAEL = approx. 500 mg/kg/day (clinical signs; mortality; body weight, rat, oral, 28 days, OECD 407).

Aspiration hazard

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

4,6,6,7,8,8-Hexamethyl-1,3,4,6,7,8-hexahydroindeno[5,6-c]pyran

CAS: 1222-05-5

Acute toxicity

Oral Based on available data, the classification criteria are not met.
LD₅₀ > 4 640 mg/kg bw (rat, female, OECD 401).

Dermal Based on available data, the classification criteria are not met.
LD₅₀ > 10 000 mg/kg bw (rat, female, OECD 402).

Inhalation Data for the substance are not available.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Mean erythema score = 1 and oedema = 0.3 (rabbit, OECD 404).

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Mean ocular irritation score = 0 (rabbit, 72 h, OECD 405).

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Not skin sensitising (guinea pig, maximization test).

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CLEAMEN PERFUME ZONE Tivano

Germ cell mutagenicity	
Based on available data, the classification criteria are not met. Negative (OECD 471, OECD 473, OECD 482).	
Carcinogenicity	
Data for the substance are not available.	
Reproductive toxicity	
Based on available data, the classification criteria are not met. NOAEL = 20 mg/kg/day (oral, rat, female, generation P0, OECD 426). NOAEL = 20 mg/kg/day (oral, rat, generation F1, OECD 426).	
STOT – single exposure	
Data for the substance are not available.	
STOT – repeated exposure	
Based on available data, the classification criteria are not met. NOAEL = 150 mg/kg/day (rat, oral, 90 days, OECD 408).	
Aspiration hazard	
The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm ² /s or less at 40 °C.	
A mixture of: cis-tetrahydro-2-isobutyl-4-methylpyran-4-ol; trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol	
CAS: 63500-71-0	
Acute toxicity	
Oral	Based on available data, the classification criteria are not met. LD ₅₀ > 2 000 mg/kg bw (rat, OECD 401).
Dermal	Based on available data, the classification criteria are not met. LD ₅₀ > 2 000 mg/kg bw (rabbit, OECD 402).
Inhalation	Data for the substance are not available.
Skin corrosion/irritation	
Based on available data, the classification criteria are not met. Mean erythema score = 0; 0.67; 1.67 (fully reversible) and oedema = 0; 0.67; 0.67 (fully reversible) (rabbit, 72 hrs., OECD 404).	
Serious eye damage/irritation	
The substance is classified as eye irritant. Mean score of corneal opacity = 1.33 (fully reversible), iritis = 0.11 (fully reversible), conjunctival redness = 1.44 (fully reversible), conjunctival oedema = 0.89 (fully reversible) (rabbit, 72 hrs., OECD 405).	
Respiratory or skin sensitisation	
Based on available data, the classification criteria are not met. Not skin sensitising (guinea pig, OECD 406).	
Germ cell mutagenicity	
Based on available data, the classification criteria are not met. Negative (OECD 471, OECD 473, OECD 476).	
Carcinogenicity	

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Data for the substance are not available.

Reproductive toxicity

Based on available data, the classification criteria are not met.

NOAEL = 12 500 ppm (rat, oral, generation P0, OECD 443).

NOAEL = 12 500 ppm (rat, oral, generation F1, OECD 443).

STOT – single exposure

Data for the substance are not available.

STOT – repeated exposure

Based on available data, the classification criteria are not met.

NOAEL = 1 000 mg/kg/day (systemic toxicity, rat, dermal, 90 d, OECD 411).

Aspiration hazard

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

3-p-Cumenyl-2-methylpropionaldehyde

CAS: 103-95-7

Acute toxicity

Oral Based on available data, the classification criteria are not met.
LD₅₀ = 3 810 mg/kg bw (rat).

Dermal Based on available data, the classification criteria are not met.
LD₅₀ > 5 000 mg/kg bw (rat).

Inhalation Data for the substance are not available.

Skin corrosion/irritation

The substance is classified as skin irritant.

Mean erythema score = 2.67; 2; 2 (not fully reversible after 7 days) and oedema = 3; 3; 2.67 (fully reversible after 7 days) (rabbit, 72 hrs.).

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Mean score of corneal opacity = 0; 0.67; 0.33; 0; 0.67; 0 (fully reversible after 4 days), iritis = 0.33; 0.33; 0; 0.33; 0.33; 0.33 (fully reversible after 72 hours), conjunctival redness = 1.33; 1; 1.33; 0.33; 0.67; 1 (fully reversible after 7 days), conjunctival oedema = 0; 0.33; 0; 0; 0.67; 0 (fully reversible after 4 days) (rabbit, 72 hrs.).

Respiratory or skin sensitisation

The substance is classified as skin sensitising in category 1B (mouse, OECD 429).

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Negative (OECD 471).

Carcinogenicity

Data for the substance are not available.

Reproductive toxicity

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Based on available data, the classification criteria are not met.

NOAEL = 75 mg/kg/day (mortality, rat, male, oral, generation P0, OECD 415).

NOAEL = 25 mg/kg/day (mortality, rat, female, oral, generation P0, OECD 415).

NOAEL = 75 mg/kg/day (mortality, rat, male, oral, generation F1, OECD 415).

NOAEL = 25 mg/kg/day (mortality, rat, female, oral, generation F1, OECD 415).

STOT – single exposure

Data for the substance are not available.

STOT – repeated exposure

Based on available data, the classification criteria are not met.

NOAEL = 300 mg/kg/day (mortality, rabbit, oral).

Aspiration hazard

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

Allyl heptanoate

CAS: 142-19-8

Acute toxicity

Oral The substance is classified in category 3.
LD₅₀ = 218 mg/kg bw (rat, OECD 401).

Dermal The substance is classified in category 3.
LD₅₀ = 810 mg/kg bw (rabbit, OECD 402).

Inhalation Data for the substance are not available.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.
Tissue viability = 54.9 % (15 min., EU method B.46).

Serious eye damage/irritation

Based on available data, the classification criteria are not met.
Mean score of corneal opacity = 0, iritis = 0, conjunctival redness = 0.3 (fully reversible after 48 hours), conjunctival oedema = 0 (fully reversible after 72 hours) (rabbit, 72 h, OECD 405).

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.
Not skin sensitising (guinea pig, OECD 406).

Germ cell mutagenicity

Based on available data, the classification criteria are not met.
Negative (OECD 471, OECD 476, OECD 487).

Carcinogenicity

Data for the substance are not available.

Reproductive toxicity

Based on available data, the classification criteria are not met.
NOAEL = 100 mg/kg/day (rat, oral, generation P0, OECD 421).
NOAEL = 100 mg/kg/day (rat, oral, generation F1, OECD 421).

STOT – single exposure

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Data for the substance are not available.

STOT – repeated exposure

Based on available data, the classification criteria are not met.

NOAEL $\geq$ 84.25 mg/kg/day (body weight, rat, male, oral, 90 d., OECD 408).

NOAEL $\geq$ 93.08 mg/kg/day (body weight, rat, female, oral, 90 d., OECD 408).

Aspiration hazard

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde

ES: 943-728-2

Acute toxicity

Oral Based on available data, the classification criteria are not met.

LD₅₀ = 3 900 mg/kg bw (rat, literature).

Dermal Based on available data, the classification criteria are not met.

LD₅₀ > 5 000 mg/kg bw (rabbit, literature).

Inhalation Data for the substance are not available.

Skin corrosion/irritation

The substance is classified as a skin irritant.

Average erythema score = 1 – 2 and edema score = 1 - 2 (tested on 20 animals) (rabbit, 72 hrs, literature).

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

The substance is classified as eye irritant (literature).

Respiratory or skin sensitisation

The substance is classified as skin sensitising in category 1B (guinea pig, OECD 406).

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Negative (OECD 471).

Carcinogenicity

Data for the substance are not available.

Reproductive toxicity

Data for the substance are not available.

STOT – single exposure

Data for the substance are not available.

STOT – repeated exposure

Data for the substance are not available.

Aspiration hazard

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

Methyl cinnamate

CAS: 103-26-4

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Acute toxicity	
Oral	Based on available data, the classification criteria are not met. LD ₅₀ = 2 610 mg/kg bw (rat, OECD 401).
Dermal	Based on available data, the classification criteria are not met. LD ₅₀ > 5 000 mg/kg bw (rat, OECD 402).
Inhalation	Data for the substance are not available.
Skin corrosion/irritation	
Based on available data, the classification criteria are not met. Primary dermal irritation index PDII = 0 (max. 8, rabbit, 72 hrs., OECD 404).	
Serious eye damage/irritation	
Based on available data, the classification criteria are not met. The substance is classified as eye irritant (rabbit, 72 hrs., OECD 405).	
Respiratory or skin sensitisation	
The substance is classified as skin sensitising in category 1B (guinea pig, OECD 406).	
Germ cell mutagenicity	
Based on available data, the classification criteria are not met. Negative (OECD 471, OECD 476, OECD 479).	
Carcinogenicity	
Data for the substance are not available.	
Reproductive toxicity	
Based on available data, the classification criteria are not met. NOAEL > 600 mg/kg/day (oral, rat, generation F1, OECD 422).	
STOT – single exposure	
Data for the substance are not available.	
STOT – repeated exposure	
Based on available data, the classification criteria are not met. NOAEL = 300 mg/kg/day (oral, rat, OECD 422).	
Aspiration hazard	
The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm ² /s or less at 40 °C.	
Anisaldehyde	
CAS: 123-11-5	
Acute toxicity	
Oral	Based on available data, the classification criteria are not met. LD ₅₀ = 3 210 mg/kg bw (rat, OECD 401).
Dermal	Based on available data, the classification criteria are not met. LD ₅₀ > 5 000 mg/kg bw (rabbit, literature).
Inhalation	Data for the substance are not available.
Skin corrosion/irritation	

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Based on available data, the classification criteria are not met.

Mean erythema scores = 1; 0.67; 2 (not fully reversible within 8 days) and edema scores = 0.67; 0; 0.67 (fully reversible within 48 hours) (rabbit, 72 h, OECD 404).

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Mean score of corneal opacity = 0, iritis = 0, conjunctival redness = 0.33; 0.67; 0.33 (fully reversible within 72 hours), conjunctival oedema = 0 (rabbit, 72 hrs., OECD 405).

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Not skin sensitising (mouse, OECD 429).

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Negative (OECD 471, OECD 473, OECD 476).

Carcinogenicity

Data for the substance are not available.

Reproductive toxicity

The substance is classified as toxic for reproduction in category 2. Suspected of damaging fertility. Suspected of damaging the unborn child.

NOAEL = 300 mg/kg/day (reproduction, rat, male, oral, P0 generation, OECD 443).

NOAEL = 300 mg/kg/day (development, rat, oral, F1 generation, OECD 443).

NOAEL = 300 mg/kg/day (development, rat, oral, F2 generation, OECD 443).

STOT – single exposure

Data for the substance are not available.

STOT – repeated exposure

Data for the substance are not available.

Aspiration hazard

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

11.2. Information on other hazards

The mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet and given in the list (established in accordance with Article 59(1) for having endocrine disrupting properties of REACH regulation.

The mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. There is no other relevant information on adverse health effects that is not required according to the classification criteria set out in CLP Regulation.

SECTION 12: Ecological information

12.1. Toxicity

Mixture

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Data for the mixture are not available.				
Acute aquatic toxicity				
The mixture is not classified as acute aquatic toxicity based on calculation according to the summation method.				
category 1		$\Sigma < 7.5$		
Chronic aquatic toxicity				
The mixture is classified as Aquatic Chronic 3; H412 based on calculation according to the summation method.				
category	1	2	3	4
Σ	< 2	< 22	< 222	not relevant
3-Methoxy-3-methylbutan-1-ol			CAS: 56539-66-3	
The substance is not classified as hazardous for the aquatic environment.				
Fish				
LC ₅₀ , 96 hrs., Oryzias latipes: > 100 mg/l (mortality, OECD 203)				
Crustaceans				
EC ₅₀ , 48 hrs., Daphnia Magna: > 1 000 mg/l (mobility, OECD 202)				
NOEC, 21 d., Daphnia Magna: 100 (reproduction, OECD 211)				
Algae				
EC ₅₀ , 72 hrs, Pseudokirchneriella subcapitata: > 1000 mg/l (growth rate, OECD 201).				
EC ₅₀ , 72 hrs, Pseudokirchneriella subcapitata: > 1000 mg/l (biomass, OECD 201).				
NOEC, 72 hrs, Pseudokirchneriella subcapitata: 1000 mg/l (growth rate, OECD 201).				
NOEC, 72 hrs, Pseudokirchneriella subcapitata: 1000 mg/l (biomass, OECD 201).				
3,7-Dimethyloctan-3-ol			CAS: 78-69-3	
The substance is not classified as hazardous for the aquatic environment.				
Fish				
LC ₅₀ , 96 hrs., Danio rerio: 8.9 mg/l (mortality, OECD 203).				
NOEC, 96 hrs., Danio rerio: 5 mg/l (mortality, OECD 203).				
Crustaceans				
EC ₅₀ , 48 hrs., Daphnia Magna: 14.2 mg/l (mobility, OECD 202).				
NOEC, 48 hrs., Daphnia Magna: 8.2 mg/l (mobility, OECD 202).				
Algae				
EC ₅₀ , 72 hrs., Desmodesmus subspicatus: 21.6 mg/l (growth rate, DIN 38 412, L9).				
NOEC, 72 hrs., Desmodesmus subspicatus: 9.5 mg/l (growth rate, DIN 38 412, L9).				
Hexyl salicylate			CAS: 6259-76-3	
The substance is classified as Aquatic Acute 1; H400 (M=1) and Aquatic Chronic 2; H411.				
Fish				
LC ₀ , 96 hrs., Danio rerio: 0.95 mg/l (mortality, EU method C.1).				
LC ₅₀ , 96 hrs., Danio rerio: 1.34 mg/l (mortality, EU method C.1).				
LC ₁₀₀ , 96 hrs., Danio rerio: 1.9 mg/l (mortality, EU method C.1).				

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Crustaceans	
EC ₅₀ , 48 hrs., Daphnia Magna: 0.357 mg/l (mobility, EU method C.2). NOEC, 21 d., Daphnia Magna: 22 µg/l (reproduction, OECD 211).	
Algae	
EC ₅₀ , 72 hrs., Scenedesmus subspicatus: 0.61 mg/l (growth rate, OECD 201). EC ₅₀ , 72 hrs., Scenedesmus subspicatus: 0.28 mg/l (biomass, OECD 201). NOEC, 72 hrs., Scenedesmus subspicatus: 0.15 mg/l (growth rate, OECD 201). NOEC, 72 hrs., Scenedesmus subspicatus: 0.15 mg/l (biomass, OECD 201).	
2,6-Dimethyloct-7-en-2-ol	CAS: 18479-58-8
The substance is not classified as hazardous for the aquatic environment.	
Fish	
LC ₅₀ , 96 hrs., Oncorhynchus mykiss: 27.8 mg/l (mortality, OECD 203). NOEC, 96 hod.: Oncorhynchus mykiss: < 3.5 mg/l (mobility, behavior, OECD 203).	
Crustaceans	
EC ₅₀ , 48 hrs., Daphnia Magna: 38 mg/l (mobility, OECD 202). NOEC, 21 d., Daphnia Magna: 9.5 mg/l (OECD 211).	
Algae	
EC ₅₀ , 72 hrs., Desmodesmus subspicatus: 65 mg/l (biomass, OECD 201). EC ₅₀ , 72 hrs., Desmodesmus subspicatus: 80 mg/l (growth rate, OECD 201). NOEC, 21 d., Desmodesmus subspicatus: 25 mg/l (OECD 201).	
Benzyl acetate	CAS: 140-11-4
The substance is classified as Aquatic Chronic 3; H412.	
Fish	
LC ₅₀ , 96 hrs. Oryzias latipes: 14.2 mg/l (mortality, ASTM E279-80). NOEC, 28 d. Oryzias latipes: 0.92 mg/l (mortality, ASTM E279-80).	
Crustaceans	
EC ₅₀ , 48 hrs., Daphnia Magna: 17 mg/l (mobility, OECD 202). NOEC, 48 hrs., Daphnia Magna: 10 mg/l (mobility, OECD 202).	
Algae	
EC ₅₀ , 72 hrs., Desmodesmus subspicatus: 110 mg/l (growth rate, OECD 201). EC ₅₀ , 72 hrs., Desmodesmus subspicatus: 52 mg/l (biomass, OECD 201). NOEC, 72 hrs., Desmodesmus subspicatus: 92 mg/l (growth rate, OECD 201). NOEC, 72 hrs., Desmodesmus subspicatus: 52 mg/l (biomass, OECD 201).	
4,6,6,7,8,8-Hexamethyl-1,3,4,6,7,8-hexahydroindeno[5,6-c]pyran	CAS: 1222-05-5
The substance is classified as Aquatic Acute 1; H400 (M = 1) and Aquatic Chronic 1; H410 (M=1).	
Fish	
LC ₅₀ , 96 hrs., Oryzias latipes: 0.95 mg/l (mortality, OECD 203). NOEC, 36 d., Pimephales promelas: 0.068 mg/l (growth rate, survival, development, OECD 210).	
Crustaceans	

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EC₅₀, 48 hrs., Daphnia Magna: 0.7 mg/l (mobility, OECD 202). NOEC, 21 d., Daphnia Magna: 111 µg/l (reproduction, OECD 211).	
Algae	
EC₅₀, 72 hrs, Pseudokirchneriella subcapitata: > 0.854 mg/l (growth rate, OECD 201). EC₅₀, 72 hrs, Pseudokirchneriella subcapitata: 0.723 mg/l (biomass, OECD 201). NOEC, 72 hrs, Pseudokirchneriella subcapitata: 0.201 mg/l (growth rate, OECD 201).	
A mixture of: cis-tetrahydro-2-isobutyl-4-methylpyran-4-ol; trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol	CAS: 63500-71-0
The substance is not classified as hazardous for the aquatic environment.	
Fish	
LC ₅₀ , 96 hrs., Oncorhynchus mykiss: 354 ppm (mortality, OECD 203).	
Crustaceans	
EC ₅₀ , 48 hrs., Daphnia Magna: ca. 320 mg/l (mobility, OECD 202).	
Algae	
EC ₅₀ , 72 hrs., Desmodesmus subspicatus: > 100 mg/l (growth rate, OECD 201).	
3-p-Cumenyl-2-methylpropionaldehyde	CAS: 103-95-7
The substance is classified as Aquatic Chronic 3; H412.	
Fish	
LC₅₀, 96 hrs.: 1 092 mg/l (mono aldehyde (Q)SAR method). LC₅₀, 96 hrs.: 3 032 mg/l (neutral organic (Q)SAR method).	
Crustaceans	
EC ₅₀ , 48 hrs., Daphnia Magna: 1.4 mg/l (immobility, OECD 202).	
Algae	
EC₅₀, 72 hrs, Pseudokirchneriella subcapitata: 2.7 mg/l (biomass, OECD 201). EC₅₀, 72 hrs, Pseudokirchneriella subcapitata: 4.3 mg/l (growth rate, OECD 201). NOEC, 72 hrs, Pseudokirchneriella subcapitata: 0.72 mg/l (biomass, OECD 201). NOEC, 72 hrs, Pseudokirchneriella subcapitata: 0.72 mg/l (growth rate, OECD 201).	
Allyl heptanoate	CAS: 142-19-8
The substance is classified as Aquatic Acute 1; H400 (M=10) a Aquatic Chronic 2; H411.	
Fish	
LC₅₀, 96 hrs., Danio rerio: 50.5 µg/l (mortality, OECD 203). NOEC, 28 d., Pimephales promelas: 59 µg/l (survival and growth, OECD 210).	
Crustaceans	
EC ₅₀ , 48 hrs., Daphnia Magna: 0.89 mg/l (mobility, OECD 202).	
Algae	
EC₅₀, 72 hrs., Raphidocelis subcapitata: 1.94 mg/l (growth rate, OECD 201). NOEC, 72 hrs., Raphidocelis subcapitata: 0.848 mg/l (growth rate, OECD 201).	
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	ES: 943-728-2

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The substance is classified as Aquatic Chronic 2; H411.	
Fish	
LC ₅₀ , 96 hrs., Oncorhynchus mykiss: 7.5 mg/l (mortality, OECD 203).	
Crustaceans	
EC ₅₀ , 48 hrs., Daphnia Magna: 22.4 mg/l (mobility, literature).	
Algae	
EC ₅₀ , 72 hrs., Desmodesmus subspicatus: 31 mg/l (growth rate, OECD 201)	
EC ₅₀ , 72 hrs., Desmodesmus subspicatus: 28 mg/l (biomass, OECD 201)	
NOEC, 72 hrs., Desmodesmus subspicatus: 10 mg/l (growth rate, OECD 201)	
Methyl cinnamate	CAS: 103-26-4
The substance is not classified as hazardous for the aquatic environment.	
Fish	
LC ₅₀ , 96 hrs., Brachydanio rerio: 2.76 mg/l (mortality, EU method C.1).	
Crustaceans	
EC ₅₀ , 48 hrs., Daphnia Magna: 24 mg/l (mobility, OECD 202).	
Algae	
EC ₅₀ , 72 hrs., Raphidocelis subcapitata: 7.6 mg/l (growth rate, OECD 201).	
NOEC, 72 hrs., Raphidocelis subcapitata: 2.1 mg/l (growth rate, OECD 201).	
Anisaldehyde	CAS: 123-11-5
The substance is classified as Aquatic Chronic 3; H412.	
Fish	
LC ₅₀ , 96 hrs., Leuciscus idus: 148.32 mg/l (mortality, DIN 38 412).	
Crustaceans	
EC ₅₀ , 48 hrs., Daphnia Magna: 82.8 mg/l (mortality, EU method C.2).	
NOEC, 21 d., Daphnia Magna: 0.71 mg/l (reproduction, OECD 211).	
Algae	
EC ₅₀ , 72 hrs., Pseudokirchneriella subcapitata: 61 mg/l (growth rate, OECD 201).	
NOEC, 72 hrs., Pseudokirchneriella subcapitata: 0,65 mg/l (growth rate, OECD 201).	
12.2. Persistence and degradability	
Mixture	
Data for the mixture are not available.	
3-Methoxy-3-methylbutan-1-ol	CAS: 56539-66-3
Readily biodegradable: 78.9 % after 28 days (CO ₂ evolution, OECD 310).	
3,7-Dimethyloctan-3-ol	CAS: 78-69-3
Readily biodegradable: 60 - 70 % after 28 days (O ₂ consumption, OECD 301 F).	
Hexyl salicylate	CAS: 6259-76-3
Readily biodegradable: 91 % after 28 days (O ₂ consumption, OECD 301 F).	

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Readily biodegradable: 64.2 % after 28 days (O ₂ consumption, OECD 301 D).	
2,6-Dimethyloct-7-en-2-ol	CAS: 18479-58-8
Readily biodegradable: 72 % after 28 days (CO ₂ evolution, OECD 301 B). Readily biodegradable: 100 % after 28 days (removal of dissolved organic carbon, OECD 301 B).	
Benzyl acetate	CAS: 140-11-4
Readily biodegradable: 100.9 % after 28 days (removal of dissolved organic carbon, OECD 301 B).	
4,6,6,7,8,8-Hexamethyl-1,3,4,6,7,8-hexahydroindeno[5,6-c]pyran	CAS: 1222-05-5
Not readily biodegradable: ca. 2 % after 28 days (CO ₂ evolution, OECD 301 B).	
A mixture of: cis-tetrahydro-2-isobutyl-4-methylpyran-4-ol; trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol	CAS: 63500-71-0
Not readily biodegradable: 0 - 10 % after 28 days (CO ₂ evolution, OECD 301 B).	
3-p-Cumenyl-2-methylpropionaldehyde	CAS: 103-95-7
Readily biodegradable: 65.5 % after 28 days (CO ₂ evolution, OECD 301 B).	
Allyl heptanoate	CAS: 142-19-8
Readily biodegradable: 81 % after 28 days (O ₂ consumption, OECD 301 F).	
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	ES: 943-728-2
Readily biodegradable: 90 % after 28 days (O ₂ consumption, OECD 301 C).	
Methyl cinnamate	CAS: 103-26-4
Readily biodegradable: 100 % after 7 days (removal of dissolved organic carbon, EU method C.4-B).	
Anisaldehyde	CAS: 123-11-5
Readily biodegradable: 97 % after 28 days (removal of dissolved organic carbon, OECD 301 E).	
12.3. Bioaccumulative potential	
Mixture	
Data for the mixture are not available.	
3-Methoxy-3-methylbutan-1-ol	CAS: 56539-66-3
log Pow = 0.18 (24.8 °C, pH = 6.4, OECD 107).	
3,7-Dimethyloctan-3-ol	CAS: 78-69-3
BCF = 99.87 l/kg (calculation). log Pow = 3.3 (20 °C, OECD 107).	
Hexyl salicylate	CAS: 6259-76-3
BCF = 8 913 (Q)SAR method. log Pow = 5.5 (30 °C, pH = ca. 7, OECD 117).	
2,6-Dimethyloct-7-en-2-ol	CAS: 18479-58-8
BCF = 64.8 l/kg ((Q)SAR method). log Pow = 3.25 (40 °C, pH = 7, OECD 117).	
Benzyl acetate	CAS: 140-11-4

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BCF = 8 (calculation) log Pow = 1.96 (25 °C, pH = 7, OECD 117).	
4,6,6,7,8,8-Hexamethyl-1,3,4,6,7,8-hexahydroindeno[5,6-c]pyran	CAS: 1222-05-5
BCF = 498 - 2 507 (Lepomis macrochirus, OECD 305 E). log Pow = 5.3 (25 °C, pH = 7, OECD 117).	
A mixture of: cis-tetrahydro-2-isobutyl-4-methylpyran-4-ol; trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol	CAS: 63500-71-0
log Pow = ca. 1.65 (23 °C, pH = > 6.09 - < 6.74, EU method A.8).	
3-p-Cumenyl-2-methylpropionaldehyde	CAS: 103-95-7
BCF = 155 l/kg ((Q)SAR method). log Pow = 3.4 (35 °C, OECD 117).	
Allyl heptanoate	CAS: 142-19-8
BCF = 193.2 - 473.2 ((Q)SAR method). log Pow = 3.97 (20 °C, pH = 5.3, OECD 107).	
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	ES: 943-728-2
log Pow = 2.7 (25 °C, OECD 117).	
Methyl cinnamate	CAS: 103-26-4
log Pow = 2.68 (25 °C, > 4.73 - < 7.06, EU method A.8).	
Anisaldehyde	CAS: 123-11-5
log Pow = 1.56 (25 °C, pH > 7.9 - < 8.25, OECD 107).	
12.4. Mobility in soil	
Mixture	
Data for the mixture are not available.	
3-Methoxy-3-methylbutan-1-ol	CAS: 56539-66-3
log Koc = 0.3 – 0.52 ((Q)SAR method).	
3,7-Dimethyloctan-3-ol	CAS: 78-69-3
log Koc = 1.75 (calculation).	
Hexyl salicylate	CAS: 6259-76-3
Koc = 2 981 ((Q)SAR method).	
2,6-Dimethyloct-7-en-2-ol	CAS: 18479-58-8
log Koc = 2.25 (OECD 121).	
Benzyl acetate	CAS: 140-11-4
log Koc = 2.4 (OECD 121).	
4,6,6,7,8,8-Hexamethyl-1,3,4,6,7,8-hexahydroindeno[5,6-c]pyran	CAS: 1222-05-5
log Koc = 4.87 (OECD 106).	
A mixture of: cis-tetrahydro-2-isobutyl-4-methylpyran-4-ol; trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol	CAS: 63500-71-0

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log Koc = ca. 1.4 (OECD 121).	
3-p-Cumenyl-2-methylpropionaldehyde	CAS: 103-95-7
log Koc = 3.05 (35 °C, OECD 121).	
Allyl heptanoate	CAS: 142-19-8
log Koc = 2.33 - 3.359 (20 °C, (Q)SAR method).	
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	ES: 943-728-2
log Koc = 2.2 (OECD 121).	
Methyl cinnamate	CAS: 103-26-4
Data for the substance are not available.	
Anisaldehyde	CAS: 123-11-5
log Koc = 1 (25 °C, calculation).	
12.5. Results of PBT and vPvB assessment	
The mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH Regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation.	
12.6. Endocrine disrupting properties	
The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation. Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.	
12.7. Other adverse effects	
Data are not available.	
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Disposal methods of the substance or mixture and the contaminated packaging	
Dispose according to the applicable European and local regulations (eg. in a hazardous waste incinerator). Do not empty unused product into drainage systems. Do not contaminate ponds or ditches with the product or used container. Hand over the residual amounts and solutions to a licensed disposal company. Hand over the remaining quantities and unregenerate solutions to an authorized person (specialized company with authorization) or to the collection yard in the hazardous waste section according to the worker's instructions. Empty, cleaned packaging can be stored at a landfill of the appropriate category or in the sorted waste .	
Possible waste code	
16 03 05* organic wastes containing hazardous substances, 15 01 10* - packaging containing residues of or contaminated by hazardous substances (contaminated packaging), 15 01 07 - glass packaging	
Physical/chemical properties that may affect waste treatment options	
Not known.	

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Special precautions recommended for waste management

Not known.

Waste legislation

Directive 2008/98/EC on waste and repealing certain Directives, as amended.

SECTION 14: Transport information

This product is not classified as a dangerous for transportation (ADR/RID, IMDG, ICAO/IATA).

14.1. UN number or ID number

Not given.

14.2. UN proper shipping name

Not given.

14.3. Transport hazard class(es)

Not given.

14.4. Packing group

Not given.

14.5. Environmental hazards

It is not dangerous for the environment during transport.

14.6. Special precautions for user

Not given.

14.7. Maritime transport in bulk according to IMO instruments

Not available.

SECTION 15: Regulatory information

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

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

Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures, as amended (CLP)

15.2. Chemical safety assessment

It has not been carried out for mixture.

SECTION 16: Other information

Reason for the revision of the safety data sheet

Change of the classification and labeling of the mixture. Change in the composition of the mixture in section 3 and related changes in the other sections.

Key or legend to abbreviations and acronyms

Acute Tox. 3 Acute toxicity, cat. 3

Aquatic Acute 1 Acute aquatic hazard, cat. 1

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Aquatic Chronic 1	Chronic aquatic hazard, cat. 1
Aquatic Chronic 2	Chronic aquatic hazard, cat. 2
Aquatic Chronic 3	Chronic aquatic hazard, cat. 3
Eye Irrit. 2	Eye irritation, cat. 2
Repr. 2	Reproductive toxicity, cat. 2
Skin Irrit. 2	Skin irritation, cat. 2
Skin Sens. 1	Skin sensitization, cat. 1
Skin Sens. 1B	Skin sensitization, cat. 1B
STOT SE 3	Specific target organ toxicity - single exposure, cat. 3
ATE	Acute Toxicity Estimate
bw	body weight
M	Multiplying factor
ADR	Accord Dangereuses Route
CLP	Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures
DNEL	Derived No Effect Level
ICAO/IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PBT	Persistent, bioaccumulative, toxic substance
PNEC	Predicted No Effect Concentration
REACH	Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
STOT	Specific target organ toxicity
vPvB	Very persistent and very bioaccumulative substance

Sources of key data used to compile the Safety Data Sheet

European legislation, manufacturer's safety data sheet, registration dossier of substances.

List of H- and P- phrases

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P102	Keep out of reach of children.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Dispose of the cleaned packaging without any residual product content in the sorted waste.

Training advice

According to SDS.

Other information

Classification according to data from the manufacturer. The mixture is classified using calculation methods according to Regulation CLP and tests. Use only for the purposes designated by the manufacturer, will prevent health and environmental risks.

The information in this safety data sheet has been prepared according to the best available knowledge. The safety data sheet has been compiled in good faith but without guarantee. Various factors may influence properties under specific conditions. It is the responsibility of the product user to assess the accuracy of the information for their specific application. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

The safety data sheet is prepared in accordance with Regulation No. 2020/878/EC.

The safety data sheet was prepared by LACHEPRA s.r.o.