

Trade name: Duftstoff Fresh Cotton**Product no.:** 217999**Current version :** 1.0.0, issued: 28.10.2020**Replaced version: -**, issued: -**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

Duftstoff Fresh Cotton**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Fragrances

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**

Koch-Chemie GmbH

Einsteinstr. 42

D-59423 Unna

Telephone no. +49-2303-9 86 70-0

Fax no. +49-2303-9 86 70-26

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

For information in the event of an emergency during transport:

+44 1865 407333

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Aquatic Chronic 2; H411

Eye Irrit. 2; H319

Skin Irrit. 2; H315

Skin Sens. 1; H317

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS07



GHS09

Signal word

Warning

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Orange, sweet, ext.
 pentadecan-15-olide
 2,4-dimethylcyclohex-3-ene-1-carbaldehyde
 dodecanal
 Juniper, Juniperus virginiana, ext.
 linalool
 7-hydroxycitronellal
 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one
 isoeugenol

Hazard statement(s)

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P261 Avoid breathing vapours/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P391 Collect spillage.

2.3 Other hazards

PBT assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	
1	3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-indenyl propionate			
	68912-13-0 272-805-7 - 01-2119969447-21	Aquatic Chronic 2; H411	>= 5.00 - < 10.00	wt%
2	alpha-hexylcinnamaldehyde			
	101-86-0 202-983-3 - -	Aquatic Acute 1; H400 Aquatic Chronic 2; H411 Skin Sens. 1B; H317	>= 5.00 - < 10.00	wt%
3	4-tert-butylcyclohexyl acetate			
	32210-23-4	Skin Sens. 1B; H317	>= 5.00 - < 10.00	wt%

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	250-954-9 - 01-2119976286-24			
4	2,6-dimethyloct-7-en-2-ol			
	18479-58-8 242-362-4 - 01-2119457274-37	Skin Irrit. 2; H315 Eye Irrit. 2; H319	>= 5.00 - < 10.00	wt%
5	p-menth-1-en-8-ol			
	98-55-5 202-680-6 - 01-2119980717-23	Skin Irrit. 2; H315 Eye Irrit. 2; H319	< 5.00	wt%
6	undecan-4-olide			
	104-67-6 203-225-4 - 01-2119959333-34	Aquatic Chronic 3; H412	< 5.00	wt%
7	Ionone, methyl			
	1335-46-2 215-635-0 - 01-2119471851-35	Aquatic Chronic 2; H411 Skin Irrit. 2; H315 Eye Irrit. 2; H319	< 5.00	wt%
8	3-methyl-5-phenylpentanol			
	55066-48-3 259-461-3 - 01-2119969446-23	Acute Tox. 4; H302 STOT RE 2; H373o	< 5.00	wt%
9	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol			
	28219-61-6 248-908-8 - 01-2119529224-45	Aquatic Chronic 2; H411 Eye Irrit. 2; H319	< 5.00	wt%
10	cis-2-tert-butylcyclohexyl acetate			
	20298-69-5 243-718-1 - 01-2119970713-33	Aquatic Chronic 2; H411	< 5.00	wt%
11	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one			
	54464-57-2 259-174-3 - -	Aquatic Chronic 1; H410 Skin Sens. 1B; H317 Skin Irrit. 2; H315	< 5.00	wt%
12	benzyl acetate			
	140-11-4 205-399-7 - 01-2119638272-42	Aquatic Chronic 3; H412	< 5.00	wt%
13	Orange, sweet, ext.			
	8028-48-6 232-433-8 - 01-2119493353-35	Asp. Tox. 1; H304 Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	< 5.00	wt%
14	2-(4-tert-butylbenzyl)propionaldehyde			
	80-54-6 201-289-8	Acute Tox. 4; H302 Aquatic Chronic 2; H411	< 5.00	wt%

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	- 01-2119485965-18	Repr. 2; H361f Skin Irrit. 2; H315 Skin Sens. 1B; H317		
15	3,7-dimethyloctan-3-ol			
	78-69-3 201-133-9 - 01-2119454788-21	Skin Irrit. 2; H315 Eye Irrit. 2; H319	< 2.50	wt%
16	diphenyl-ether			
	101-84-8 202-981-2 - 01-2119472545-33	Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 3; H412	< 2.50	wt%
17	OXACYCLOHEXADECEN-2-ONE			
	34902-57-3 422-320-3 606-092-00-4 01-0000016883-62	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 2.50	wt%
18	pentadecan-15-olide			
	106-02-5 203-354-6 - 01-2119987323-31	Aquatic Chronic 2; H411 Skin Sens. 1B; H317	< 0.50	wt%
19	2,4-dimethylcyclohex-3-ene-1-carbaldehyde			
	68039-49-6 268-264-1 - -	Aquatic Chronic 2; H411 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 0.50	wt%
20	dodecanal			
	112-54-9 203-983-6 - 01-2119969441-33	Skin Sens. 1B; H317 Skin Irrit. 2; H315 Eye Irrit. 2; H319	< 0.50	wt%
21	4-methyl-3-decen-5-ol			
	81782-77-6 279-815-0 - 01-2119983528-21	Aquatic Acute 1; H400 Aquatic Chronic 2; H411	< 0.50	wt%
22	Juniper, Juniperus virginiana, ext.			
	85085-41-2 285-370-3 - 01-2120744063-63	Asp. Tox. 1; H304 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Chronic 1; H410	< 0.50	wt%
23	linalool			
	78-70-6 201-134-4 603-235-00-2 01-2119474016-42	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317	< 0.50	wt%
24	7-hydroxycitronellal			
	107-75-5 203-518-7 - 01-2119973482-31	Eye Irrit. 2; H319 Skin Sens. 1; H317	< 0.50	wt%
25	1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one			
	57378-68-4 260-709-8 - -	Skin Sens. 1A; H317 Aquatic Chronic 1; H410 Acute Tox. 4; H302 Skin Irrit. 2; H315	< 0.10	wt%

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		Aquatic Acute 1; H400		
26	isoeugenol			
	97-54-1 202-590-7 604-094-00-X -	Skin Sens. 1A; H317	< 0.10	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
26	-	Skin Sens. 1A; H317: C \geq 0.01%	-	-

No	Route, target organ, concrete effect
8	H373 -; liver; -

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of allergic symptoms, especially respiratory tract related, seek medical help immediately.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Do not use mouth-to-mouth or mouth-to-nose resuscitation.

After skin contact

Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Water spray jet; Foam; Carbon dioxide; Dry chemical extinguisher

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear full protective suit. Run-off water from fire fighting must not be discharged into drains or enter surface water.

SECTION 6: Accidental release measures

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Refer to protective measures listed in sections 7 and 8. Use personal protective clothing.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Have emergency shower available. Provide eye wash fountain in work area.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Substances to be avoided, see section 10.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	diphenyl-ether	101-84-8	202-981-2
	2017/164/EU		
	Diphenyl ether		
	WEL short-term (15 min reference period)	14	mg/m ³ 2 ppm
	WEL long-term (8-hr TWA reference period)	7	mg/m ³ 1 ppm
	List of approved workplace exposure limits (WELs) / EH40		
	Diphenyl ether		
	WEL short-term (15 min reference period)	14	mg/m ³ 2 ppm

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WEL long-term (8-hr TWA reference period)	7	mg/m ³	1	ppm
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DNEL, DMEL and PNEC values**DNEL values (worker)**

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	2,6-dimethyloct-7-en-2-ol			18479-58-8 242-362-4
	dermal	Long term (chronic)	systemic	20.8 mg/kg/day
	inhalative	Long term (chronic)	systemic	73.5 mg/m ³
2	undecan-4-olide			104-67-6 203-225-4
	dermal	Long term (chronic)	systemic	5.38 mg/kg/day
	inhalative	Long term (chronic)	systemic	19 mg/m ³
3	Ionone, methyl			1335-46-2 215-635-0
	dermal	Long term (chronic)	systemic	6.94 mg/kg/day
	inhalative	Long term (chronic)	systemic	12.24 mg/m ³
4	3-methyl-5-phenylpentanol			55066-48-3 259-461-3
	dermal	Long term (chronic)	systemic	0.5 mg/kg/day
	dermal	Short term (acut)	systemic	3 mg/kg/day
	dermal	Long term (chronic)	local	0.13 mg/cm ²
	inhalative	Long term (chronic)	systemic	0.88 mg/m ³
	inhalative	Short term (acut)	systemic	5.3 mg/m ³
5	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol			28219-61-6 248-908-8
	dermal	Long term (chronic)	systemic	6 mg/kg/day
	inhalative	Long term (chronic)	systemic	21 mg/m ³
6	Orange, sweet, ext.			8028-48-6 232-433-8
	dermal	Short term (acut)	local	185.8 µg/cm ²
	dermal	Long term (chronic)	systemic	8.89 mg/kg/day
	inhalative	Long term (chronic)	systemic	31.1 mg/m ³
7	2-(4-tert-butylbenzyl)propionaldehyde			80-54-6 201-289-8
	dermal	Long term (chronic)	systemic	2.075 mg/kg/day
	dermal	Long term (chronic)	local	410 µg/cm ²
	inhalative	Long term (chronic)	systemic	0.44 mg/m ³
8	3,7-dimethyloctan-3-ol			78-69-3 201-133-9
	dermal	Long term (chronic)	systemic	2.5 mg/kg/day
	dermal	Long term (chronic)	local	2760 µg/cm ²
	dermal	Short term (acut)	local	2760 µg/cm ²
	inhalative	Long term (chronic)	systemic	2.75 mg/m ³
9	diphenyl-ether			101-84-8 202-981-2
	dermal	Long term (chronic)	systemic	25.00 mg/kg/day
	inhalative	Long term (chronic)	systemic	59.00 mg/m ³
	inhalative	Long term (chronic)	local	7.00 mg/m ³
	inhalative	Short term (acut)	local	14.00 mg/m ³
10	4-methyl-3-decen-5-ol			81782-77-6 279-815-0
	dermal	Long term (chronic)	systemic	10 mg/kg/day
	dermal	Short term (acut)	systemic	10 mg/kg/day
	dermal	Long term (chronic)	local	25 mg/cm ²

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	dermal	Short term (acut)	local	25	mg/cm ²
	inhalative	Long term (chronic)	systemic	98.7	mg/m ³
	inhalative	Short term (acut)	systemic	35.26	mg/m ³
	inhalative	Long term (chronic)	local	88.16	
	inhalative	Short term (acut)	local	88.16	
11	Juniper, Juniperus virginiana, ext.			85085-41-2 285-370-3	
	dermal	Long term (chronic)	systemic	6.58	mg/kg/day
	inhalative	Long term (chronic)	systemic	6.41	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	2,6-dimethyloct-7-en-2-ol			18479-58-8 242-362-4	
	oral	Long term (chronic)	systemic	12.5	mg/kg/day
	dermal	Long term (chronic)	systemic	12.5	mg/kg/day
	inhalative	Long term (chronic)	systemic	21.7	mg/m ³
2	undecan-4-olide			104-67-6 203-225-4	
	oral	Long term (chronic)	systemic	2.7	mg/kg/day
	dermal	Long term (chronic)	systemic	2.7	mg/kg/day
	inhalative	Long term (chronic)	systemic	4.68	mg/m ³
3	Ionone, methyl			1335-46-2 215-635-0	
	oral	Long term (chronic)	systemic	2.08	mg/kg/day
	dermal	Long term (chronic)	systemic	4.17	mg/kg/day
	inhalative	Long term (chronic)	systemic	3.62	mg/m ³
4	3-methyl-5-phenylpentanol			55066-48-3 259-461-3	
	oral	Long term (chronic)	systemic	0.06	mg/kg/day
	oral	Short term (acut)	systemic	0.375	mg/kg/day
	dermal	Long term (chronic)	systemic	0.25	mg/kg/day
	dermal	Short term (acut)	systemic	0.5	mg/kg/day
	dermal	Long term (chronic)	local	0.065	mg/cm ²
	dermal	Short term (acut)	local	0.39	mg/cm ²
	inhalative	Long term (chronic)	systemic	0.21	mg/m ³
	inhalative	Short term (acut)	systemic	1.3	mg/m ³
5	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol			28219-61-6 248-908-8	
	oral	Long term (chronic)	systemic	3	mg/kg/day
	dermal	Long term (chronic)	systemic	3	mg/kg/day
	inhalative	Long term (chronic)	systemic	5.2	mg/m ³
6	Orange, sweet, ext.			8028-48-6 232-433-8	
	oral	Long term (chronic)	systemic	4.44	mg/kg/day
	dermal	Short term (acut)	local	92.9	µg/cm ²
	dermal	Long term (chronic)	systemic	4.44	mg/kg/day
	inhalative	Long term (chronic)	systemic	7.78	mg/m ³
7	2-(4-tert-butylbenzyl)propionaldehyde			80-54-6 201-289-8	
	oral	Long term (chronic)	systemic	0.062	mg/kg/day
	dermal	Long term (chronic)	systemic	1.038	mg/kg/day
	dermal	Long term (chronic)	local	410	µg/cm ²
	dermal	Short term (acut)	local	410	µg/cm ²
	inhalative	Long term (chronic)	systemic	0.11	mg/m ³
8	3,7-dimethyloctan-3-ol			78-69-3 201-133-9	

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	oral	Long term (chronic)	systemic	0.2	mg/kg/day
	dermal	Long term (chronic)	systemic	1.25	mg/kg/day
	dermal	Long term (chronic)	local	2760	µg/cm ²
	dermal	Short term (acut)	local	2760	µg/cm ²
	inhalative	Long term (chronic)	systemic	0.68	mg/m ³
9	4-methyl-3-decen-5-ol			81782-77-6 279-815-0	
	oral	Long term (chronic)	systemic	10	mg/kg/day
	oral	Short term (acut)	systemic	5	mg/kg/day
	dermal	Long term (chronic)	systemic	89.3	µg/kg/day
	dermal	Short term (acut)	systemic	5	mg/kg/day
	dermal	Long term (chronic)	local	12.5	mg/cm ²
	dermal	Short term (acut)	local	12.5	mg/cm ²
	inhalative	Long term (chronic)	systemic	14.38	mg/m ³
	inhalative	Short term (acut)	systemic	8.7	mg/m ³
	inhalative	Long term (chronic)	local	21.74	mg/m ³
	inhalative	Short term (acut)	local	21.74	mg/m ³
10	Juniper, Juniperus virginiana, ext.			85085-41-2 285-370-3	
	oral	Long term (chronic)	systemic	1.09	mg/kg/day
	dermal	Long term (chronic)	systemic	3.95	
	inhalative	Long term (chronic)	systemic	1.9	mg/m ³

PNEC values

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-indenyl propionate		68912-13-0 272-805-7
	water	fresh water	20 µg/L
	water	marine water	2 µg/L
	water	Aqua intermittent	25 µg/L
	water	fresh water sediment	2.67 mg/kg dry weight
	water	marine water sediment	0.267 mg/kg dry weight
	soil	-	0.521 mg/kg dry weight
	sewage treatment plant	-	5.3 mg/L
2	4-tert-butylcyclohexyl acetate		32210-23-4 250-954-9
	water	fresh water	5.3 µg/L
	water	Aqua intermittent	53 µg/L
	water	marine water	0.53 µg/L
	water	fresh water sediment	2.01 mg/kg dry weight
	water	marine water sediment	0.21 mg/kg dry weight
	soil	-	0.42 mg/kg dry weight
	sewage treatment plant	-	12.2 mg/L
	secondary poisoning	-	66.67 mg/kg food
3	2,6-dimethyloct-7-en-2-ol		18479-58-8 242-362-4
	water	fresh water	27.8 µg/L
	water	marine water	2.78 µg/L
	water	Aqua intermittent	0.278 mg/L
	water	fresh water sediment	0.594 mg/kg dry weight

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	water	marine water sediment	0.059	mg/kg dry weight
	soil	-	0.103	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
	secondary poisoning	-	111	mg/kg food
4	p-menth-1-en-8-ol		98-55-5 202-680-6	
	water	fresh water	68	µg/L
	water	marine water	6.8	µg/L
	water	fresh water sediment	1.85	mg/kg dry weight
	water	marine water sediment	0.185	mg/kg dry weight
	soil	-	0.329	mg/kg dry weight
	sewage treatment plant	-	2.6	mg/L
5	undecan-4-olide		104-67-6 203-225-4	
	water	fresh water	5.85	µg/L
	water	marine water	0.585	µg/L
	water	Aqua intermittent	0.0585	mg/L
	water	fresh water sediment	0.628	mg/kg dry weight
	water	marine water sediment	0.0628	mg/kg dry weight
	soil	-	0.122	mg/kg dry weight
	sewage treatment plant	-	80	mg/L
	secondary poisoning	-	66.7	mg/kg food
6	linalyl acetate		1335-46-2 215-635-0	
	water	fresh water	0.002	mg/L
	water	Aqua intermittent	0.023	mg/L
	water	marine water	0	mg/L
	water	fresh water sediment	0.246	mg/kg dry weight
	water	marine water sediment	0.025	mg/kg dry weight
	soil	-	0.048	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
7	3-methyl-5-phenylpentanol		55066-48-3 259-461-3	
	water	fresh water	0.013	mg/L
	water	marine water	0.001	mg/L
	water	fresh water sediment	1.034	mg/kg dry weight
	water	marine water sediment	0.103	mg/kg dry weight
	soil	-	0.199	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
	secondary poisoning	-	10	mg/kg food
8	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol		28219-61-6 248-908-8	
	water	fresh water	2.8	µg/L

Trade name: Duftstoff Fresh Cotton

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	water	marine water	0.28	µg/L
	water	fresh water sediment	336	µg/kg
	water	marine water sediment	33.6	µg/kg
	soil	-	65.5	µg/kg
	with reference to: dry weight			
	sewage treatment plant	-	1	mg/L
	secondary poisoning	-	20	mg/kg food
9	cis-2-tert-butylcyclohexyl acetate		20298-69-5 243-718-1	
	water	fresh water	0.011	mg/L
	water	marine water	0.001	mg/L
	water	fresh water sediment	1.5	mg/kg dry weight
	water	marine water sediment	0.15	mg/kg dry weight
	soil	-	0.293	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
10	Orange, sweet, ext.		8028-48-6 232-433-8	
	water	fresh water	5.4	µg/L
	water	marine water	0.54	µg/L
	water	Aqua intermittent	5.77	µg/L
	water	fresh water sediment	1.3	mg/kg dry weight
	water	marine water sediment	0.13	mg/kg dry weight
	soil	-	0.261	mg/kg dry weight
	sewage treatment plant	-	2.1	mg/L
	secondary poisoning	-	13.3	mg/kg food
11	2-(4-tert-butylbenzyl)propionaldehyde		80-54-6 201-289-8	
	water	fresh water	0.002	mg/L
	water	marine water	0	mg/L
	water	Aqua intermittent	0.024	mg/L
	water	fresh water sediment	0.269	mg/kg dry weight
	water	marine water sediment	0.027	mg/kg dry weight
	soil	-	0.052	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
12	3,7-dimethyloctan-3-ol		78-69-3 201-133-9	
	water	fresh water	0.009	mg/L
	water	marine water	0.001	mg/L
	water	Aqua intermittent	0.089	mg/L
	water	fresh water sediment	450	mg/kg dry weight
	water	marine water sediment	0.008	mg/kg dry weight
	soil	-	0.011	mg/kg dry weight
	sewage treatment plant	-	450	mg/L
13	diphenyl-ether		101-84-8 202-981-2	

Trade name: Duftstoff Fresh Cotton**Product no.:** 217999**Current version :** 1.0.0, issued: 28.10.2020**Replaced version:** -, issued: -**Region:** GB

	water	fresh water sediment	0.093	mg/kg dry weight
	water	marine water sediment	0.009	mg/kg dry weight
	soil	-	0.018	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	10.00	mg/L
14	OXACYCLOHEXADECEN-2-ONE		34902-57-3 422-320-3	
	water	fresh water	2.7	µg/L
	water	marine water	0.27	µg/L
	water	marine water sediment	4.2	mg/kg dry weight
	water	fresh water sediment	21	mg/kg dry weight
	soil	-	5.44	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
15	4-methyl-3-decen-5-ol		81782-77-6 279-815-0	
	water	fresh water	0.76	µg/L
	water	marine water	76	ng/L
	water	fresh water sediment	92	µg/kg
	water	marine water sediment	9.2	µg/kg
	soil	-	18	µg/kg
	sewage treatment plant	-	10	mg/L
	secondary poisoning	-	111.1	mg/kg
16	Juniper, Juniperus virginiana, ext.		85085-41-2 285-370-3	
	water	fresh water	0.5	µg/L
	water	marine water	0.05	µg/L
	water	fresh water sediment	816.8	µg/kg dry weight
	water	marine water sediment	81.68	µg/kg dry weight
	soil	-	163.448	µg/kg dry weight
	sewage treatment plant	-	10	mg/L

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Filter A or environment-independent breathing apparatus.

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves.

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Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	neoprene		
Appropriate Material	nitrile rubber		
Material thickness		0.5	mm
Breakthrough time	>	120	min

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form/Colour			
liquid			
yellow			
Odour			
characteristic			
Odour threshold			
No data available			
pH value			
No data available			
Boiling point / boiling range			
Value	>	35	°C
Melting point / melting range			
No data available			
Decomposition point / decomposition range			
No data available			
Flash point			
Value		91	°C
Auto-ignition temperature			
No data available			
Oxidising properties			
not oxidizing			
Explosive properties			
Product does not present an explosion hazard.			
Flammability (solid, gas)			
No data available			
Lower flammability or explosive limits			
No data available			
Upper flammability or explosive limits			
No data available			
Vapour pressure			
Value		1060	hPa
Reference temperature		50	°C
Vapour density			
No data available			

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Evaporation rate			
No data available			
Relative density			
No data available			
Density			
Value	0.972	-	0.984 g/cm ³
Reference temperature			20 °C
Solubility in water			
Comments	miscible		
Solubility(ies)			
No data available			
Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	undecan-4-olide	104-67-6	203-225-4
log Pow			3.6
Reference temperature			25 °C
Method	OECD 117		
Source	ECHA		
2	Ionone, methyl	1335-46-2	215-635-0
log Pow	4.51	-	4.99
Reference temperature			23 °C
with reference to	pH: 6.2		
Method	OECD 117		
Source	ECHA		
3	3-methyl-5-phenylpentanol	55066-48-3	259-461-3
log Pow			2.7
Reference temperature			30 °C
Source	ECHA		
4	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	248-908-8
log Pow			4.4
Reference temperature			35 °C
Method	OECD 117		
Source	ECHA		
5	cis-2-tert-butylcyclohexyl acetate	20298-69-5	243-718-1
log Pow	4.7	-	4.8
Reference temperature			25 °C
Method	OECD 117		
Source	ECHA		
6	Orange, sweet, ext.	8028-48-6	232-433-8
log Pow	2.78	-	4.88
Method	QSAR		
Source	ECHA		
7	4-methyl-3-decen-5-ol	81782-77-6	279-815-0
log Pow			3.9
Reference temperature			30 °C
Method	OECD 117		
Source	ECHA		
Viscosity			
No data available			

9.2 Other information

Other information
No data available.

Trade name: Duftstoff Fresh Cotton

Product no.: 217999

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SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

None known

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	Duftstoff Fresh Cotton
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Ionone, methyl	1335-46-2	215-635-0
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		
2	cis-2-tert-butylcyclohexyl acetate	20298-69-5	243-718-1
LD50		4600	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
3	Orange, sweet, ext.	8028-48-6	232-433-8
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
4	diphenyl-ether	101-84-8	202-981-2
LD50		2830	mg/kg bodyweight
Species	rat		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	undecan-4-olide	104-67-6	203-225-4
LD50	>	2000	mg/kg bodyweight
Species	rat		

Trade name: Duftstoff Fresh Cotton

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Method	OECD 402		
2	Ionone, methyl	1335-46-2	215-635-0
LD50	>	5000	mg/kg bodyweight
Species	rabbit		
Source	ECHA		
3	cis-2-tert-butylcyclohexyl acetate	20298-69-5	243-718-1
LD50	>	5000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
4	Orange, sweet, ext.	8028-48-6	232-433-8
LD50	>	5000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
5	diphenyl-ether	101-84-8	202-981-2
LD50	>	7940	mg/kg bodyweight
Species	rabbit		
Source	ECHA		

Acute inhalational toxicity

No data available

Skin corrosion/irritation

No	Substance name	CAS no.	EC no.
1	2,6-dimethyloct-7-en-2-ol	18479-58-8	242-362-4
Species	rabbit		
Source	ECHA / Read across		
Evaluation	irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		
2	cis-2-tert-butylcyclohexyl acetate	20298-69-5	243-718-1
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	diphenyl-ether	101-84-8	202-981-2
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		
4	4-methyl-3-decen-5-ol	81782-77-6	279-815-0
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		

Serious eye damage/irritation

No	Substance name	CAS no.	EC no.
1	2,6-dimethyloct-7-en-2-ol	18479-58-8	242-362-4
Species	rabbit		
Method	Draize method		
Source	ECHA		
Evaluation	Irritating to eyes		
Evaluation/classification	Based on available data, the classification criteria are met.		
2	undecan-4-olide	104-67-6	203-225-4
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
3	cis-2-tert-butylcyclohexyl acetate	20298-69-5	243-718-1

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Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
4	Orange, sweet, ext. 8028-48-6 232-433-8
Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation	non-irritant
5	diphenyl-ether 101-84-8 202-981-2
Species	rabbit
Source	ECHA
Evaluation	Irritating to eyes
6	4-methyl-3-decen-5-ol 81782-77-6 279-815-0
Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation	non-irritant

Respiratory or skin sensitisation

No	Substance name	CAS no.	EC no.
1	4-tert-butylcyclohexyl acetate	32210-23-4	250-954-9
Route of exposure		Skin	
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		
2	Ionone, methyl	1335-46-2	215-635-0
Route of exposure		Skin	
Species	guinea pig		
Method	maximization test		
Source	ECHA		
Evaluation	non-sensitizing		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	Orange, sweet, ext.	8028-48-6	232-433-8
Route of exposure		Skin	
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		
4	diphenyl-ether	101-84-8	202-981-2
Route of exposure		Skin	
Method	maximization test		
Source	ECHA		
Evaluation	non-sensitizing		

Germ cell mutagenicity

No	Substance name	CAS no.	EC no.
1	undecan-4-olide	104-67-6	203-225-4
Species	mouse		
Method	OECD 474		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Ionone, methyl	1335-46-2	215-635-0
Type of examination	in vitro gene mutation study in bacteria		
Species	Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA		
Method	OECD 471		
Source	ECHA		

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Evaluation/classification	Based on available data, the classification criteria are not met.		
Type of examination	In vitro mammalian cell gene mutation test		
Species	Chinese hamster Ovary (CHO)		
Method	OECD 476		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Type of examination	In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus		
Species	mouse		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	diphenyl-ether	101-84-8	202-981-2
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
4	4-methyl-3-decen-5-ol	81782-77-6	279-815-0
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	Ionone, methyl	1335-46-2	215-635-0
Route of exposure	oral		
Type of examination	Prenatal Developmental Toxicity Study		
Species	rabbit		
Method	OECD 414		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	Orange, sweet, ext.	8028-48-6	232-433-8
Method	OECD 451		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

STOT - single exposure
No data available

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	Ionone, methyl	1335-46-2	215-635-0
Route of exposure	oral		
Species	rat		
Method	OECD 408		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	diphenyl-ether	101-84-8	202-981-2
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Aspiration hazard
No data available

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.

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1	Ionone, methyl	1335-46-2	215-635-0
LC50		2.3	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 203		
Source	ECHA		
2	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	248-908-8
LC50		1.1	mg/l
Duration of exposure		96	h
Species	Lepomis macrochirus		
Method	EPA OPPTS 850.1075		
Source	ECHA		
3	cis-2-tert-butylcyclohexyl acetate	20298-69-5	243-718-1
LC50		5.6	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	EU C.1		
Source	ECHA		
4	Orange, sweet, ext.	8028-48-6	232-433-8
LC50		5.65	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 203		
Source	ECHA		
5	diphenyl-ether	101-84-8	202-981-2
LC50		4.2	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Source	ECHA		
6	4-methyl-3-decen-5-ol	81782-77-6	279-815-0
LC50		3.0	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)

No	Substance name	CAS no.	EC no.
1	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	248-908-8
NOEC		0.23	mg/l
Duration of exposure		28	day(s)
Species	QSAR		
Method	OECD 210		
Source	ECHA		

Toxicity to Daphnia (acute)

No	Substance name	CAS no.	EC no.
1	undecan-4-olide	104-67-6	203-225-4
EC50		5.85	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	EU Method C.2		
Source	ECHA		
2	Ionone, methyl	1335-46-2	215-635-0
EC50		3.7	mg/l
Duration of exposure		48	h
Species	Daphnia magna		

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Method	OECD 202		
Source	ECHA		
3	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	248-908-8
EC50		1.34	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
4	cis-2-tert-butylcyclohexyl acetate	20298-69-5	243-718-1
EC50		17	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	EU C.2		
Source	ECHA		
5	Orange, sweet, ext.	8028-48-6	232-433-8
EC50		1.1	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
6	diphenyl-ether	101-84-8	202-981-2
EC50		1.7	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		
7	4-methyl-3-decen-5-ol	81782-77-6	279-815-0
EC50		0.4	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	undecan-4-olide	104-67-6	203-225-4
NOEC		1.38	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
2	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	248-908-8
NOEC		0.14	mg/l
Duration of exposure		21	day(s)
Species	QSAR		
Method	OECD 211		
Source	ECHA		
3	4-methyl-3-decen-5-ol	81782-77-6	279-815-0
EC50		75	µg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	undecan-4-olide	104-67-6	203-225-4
ErC50		5.94	mg/l

Trade name: Duftstoff Fresh Cotton

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Duration of exposure		48	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
2	Ionone, methyl	1335-46-2	215-635-0
EC50	>	9.42	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
3	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	248-908-8
EC50		2.5	mg/l
Duration of exposure		72	h
Species	Selenastrum capricornutum		
Method	EPA OPPTS 850.5400		
Source	ECHA		
4	cis-2-tert-butylcyclohexyl acetate	20298-69-5	243-718-1
EC50		4.2	mg/l
Duration of exposure		72	h
Species	Scenedesmus subspicatus		
Method	OECD 201		
Source	ECHA		
5	Orange, sweet, ext.	8028-48-6	232-433-8
ErC50		150	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
6	diphenyl-ether	101-84-8	202-981-2
EC50		0.455	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Source	ECHA		
7	4-methyl-3-decen-5-ol	81782-77-6	279-815-0
ErC50		1.4	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)

No	Substance name	CAS no.	EC no.
1	cis-2-tert-butylcyclohexyl acetate	20298-69-5	243-718-1
NOEC		0.57	mg/l
Duration of exposure		72	h
Species	Scenedesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Bacteria toxicity

No	Substance name	CAS no.	EC no.
1	Ionone, methyl	1335-46-2	215-635-0
EC50	>	1000	mg/l
Species	activated sludge		
Method	OECD 209		
Source	ECHA		
2	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	248-908-8

Trade name: Duftstoff Fresh Cotton

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EC50		225	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		
3	cis-2-tert-butylcyclohexyl acetate	20298-69-5	243-718-1
NOEC		100	
Duration of exposure		61	day(s)
Species	activated sludge		
Method	OECD 301 F		
Source	ECHA		
4	4-methyl-3-decen-5-ol	81782-77-6	279-815-0
NOEC		100	mg/l
Duration of exposure		28	day(s)
Species	activated sludge		
Method	OECD 301 F		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	Ionone, methyl	1335-46-2	215-635-0
Type	aerobic biodegradation		
Value		76	%
Duration		28	d
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		
2	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	248-908-8
Value		0	%
Method	OECD 301 F		
Source	ECHA		
Evaluation	not readily biodegradable		
3	cis-2-tert-butylcyclohexyl acetate	20298-69-5	243-718-1
Value		43	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	not readily biodegradable		
4	Orange, sweet, ext.	8028-48-6	232-433-8
Source	ECHA		
Evaluation	readily biodegradable		
5	diphenyl-ether	101-84-8	202-981-2
Type	aerobic biodegradation		
Source	ECHA		
Evaluation	readily biodegradable		
6	4-methyl-3-decen-5-ol	81782-77-6	279-815-0
Value		73	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	Ionone, methyl	1335-46-2	215-635-0

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BCF		586.2	
Source	ECHA		
2	Orange, sweet, ext.	8028-48-6	232-433-8
BCF		32	- 156
Source	ECHA		
3	diphenyl-ether	101-84-8	202-981-2
BCF			196
Species	Oncorhynchus mykiss		
Source	ECHA		
Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	undecan-4-olide	104-67-6	203-225-4
log Pow			3.6
Reference temperature			25 °C
Method	OECD 117		
Source	ECHA		
2	Ionone, methyl	1335-46-2	215-635-0
log Pow		4.51	- 4.99
Reference temperature			23 °C
with reference to	pH: 6.2		
Method	OECD 117		
Source	ECHA		
3	3-methyl-5-phenylpentanol	55066-48-3	259-461-3
log Pow			2.7
Reference temperature			30 °C
Source	ECHA		
4	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	248-908-8
log Pow			4.4
Reference temperature			35 °C
Method	OECD 117		
Source	ECHA		
5	cis-2-tert-butylcyclohexyl acetate	20298-69-5	243-718-1
log Pow		4.7	- 4.8
Reference temperature			25 °C
Method	OECD 117		
Source	ECHA		
6	Orange, sweet, ext.	8028-48-6	232-433-8
log Pow		2.78	- 4.88
Method	QSAR		
Source	ECHA		
7	4-methyl-3-decen-5-ol	81782-77-6	279-815-0
log Pow			3.9
Reference temperature			30 °C
Method	OECD 117		
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.
vPvB assessment	According to the information provided in the supply chain, the

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	mixture does not contain > 0.1% of a substance that is considered to be vPvB.
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12.6 Other adverse effects

No data available.

12.7 Other information**Other information**

Do not discharge into the drains or waters and do not store on public depositories.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

Class	9
Classification code	M6
Packing group	III
Hazard identification no.	90
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-indenyl propionate alpha-hexylcinnamaldehyde
Tunnel restriction code	-
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

14.2 Transport IMDG

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-indenyl propionate alpha-hexylcinnamaldehyde
EmS	F-A, S-F
Label	9
Marine pollutant mark	Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Technical name	3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-indenyl propionate alpha-hexylcinnamaldehyde
Label	9

Trade name: Duftstoff Fresh Cotton**Product no.:** 217999**Current version :** 1.0.0, issued: 28.10.2020**Replaced version:** -, issued: -**Region:** GBEnvironmentally hazardous
substance mark

Symbol "fish and tree"

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No 3

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category:

E2

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product. Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H226

Flammable liquid and vapour.

H302

Harmful if swallowed.

H304

May be fatal if swallowed and enters airways.

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H361f	Suspected of damaging fertility.
H373o	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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