

Trade name: LINARI-OPALE Car Fragrance**Current version :** 1.0.0, issued: 15.10.2024**Replaced version:** -, issued: -**Region:**
GER**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****LINARI-OPALE Car Fragrance****UFI:****JVG9-319G-700W-ASV3****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Car fragrance

Uses advised against

No data available.

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

LINARI GmbH

Jaffestrasse 12 | DOCK 2

21109 Hamburg

Germany

Telephone no. +49 40-7566850

Fax no. +49 40-7534505

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

Emergency CONTACT (24-Hour-Number) international:

GBK GmbH - Global Regulatory Compliance +49 (0)6132-84463

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

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

Hazardous component(s) to be indicated on label:

(R)-p-mentha-1,8-diene

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1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1 one
 3,7-dimethylnona-1,6-dien-3-ol
 7-hydroxycitronellal
 linalyl acetate
 linalool

Hazard statement(s)

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

Hazard statements (EU)

EUH208 Contains pin-2(10)-ene, citral, geraniol, neryl-acetate, Citronellol, geranyl acetate, alpha-methyl-1,3-benzodioxole-5-propionaldehyde, Coumarin, [3R-(3alpha,3abeta,6alpha,7beta,8aalpha)]-octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl acetate, pin-2(3)-ene, (E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one, isoeugenol. May produce an allergic reaction.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P391 Collect spillage.
 P501 Dispose of contents/container to a facility in accordance with local and national regulations.

UFI:

JVG9-319G-700W-ASV3

2.3 Other hazards

According to the information provided in the supply chain: This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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	(R)-p-mentha-1,8-diene			
	5989-27-5 227-813-5 601-096-00-2 -	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 3; H412	< 5,00	wt%
2	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1 one			

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	54464-57-2 259-174-3 - -	Aquatic Chronic 1; H410 Skin Sens. 1; H317 Skin Irrit. 2; H315	< 2,50	wt%
3	3,7-dimethylnona-1,6-dien-3-ol			
	10339-55-6 233-732-6 - 01-2119969272-32	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1B; H317	< 2,50	wt%
4	7-hydroxycitronellal			
	107-75-5 203-518-7 - 01-2119973482-31	Eye Irrit. 2; H319 Skin Sens. 1B; H317	< 2,50	wt%
5	linalyl acetate			
	115-95-7 204-116-4 - -	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317	< 2,50	wt%
6	linalool			
	78-70-6 201-134-4 603-235-00-2 -	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Irrit. 2; H319	< 2,50	wt%
7	(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one			
	79-77-6 201-224-3 - -	Aquatic Chronic 2; H411	< 2,50	wt%
8	pin-2(10)-ene			
	127-91-3 204-872-5 - -	Aquatic Acute 1; H400 Asp. Tox. 1; H304 Flam. Liq. 3; H226 Skin Sens. 1B; H317 Aquatic Chronic 1; H410 Skin Irrit. 2; H315	< 2,50	wt%
9	p-mentha-1,4-diene			
	99-85-4 202-794-6 - -	Flam. Liq. 3; H226 Repr. 2; H361 Aquatic Chronic 2; H411	< 2,50	wt%
10	OXACYCLOHEXADECEN-2-ONE			
	34902-57-3 422-320-3 606-092-00-4 -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 2,50	wt%
11	vinyl acetate			
	108-05-4 203-545-4 607-023-00-0 01-2119471301-50	Flam. Liq. 2; H225 Acute Tox. 4; H332 STOT SE 3; H335 Carc. 2; H351 Aquatic Chronic 3; H412	< 2,50	wt%
12	7-methyl-3-methyleneocta-1,6-diene			
	123-35-3 204-622-5 - -	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 0,50	wt%
13	citral			
			pls. refer to footnote (2)	

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	5392-40-5 226-394-6 605-019-00-3 01-2119462829-23	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 0,50	wt%
14	geraniol		pls. refer to footnote (1)	
	106-24-1 203-377-1 603-241-00-5 -	Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 0,50	wt%
15	neryl-acetate			
	141-12-8 205-459-2 -	Skin Sens. 1B; H317	< 0,50	wt%
16	Citronellol			
	106-22-9 203-375-0 -	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1B; H317	< 0,50	wt%
17	geranyl acetate			
	105-87-3 203-341-5 -	Aquatic Chronic 3; H412 Skin Sens. 1; H317 Skin Irrit. 2; H315	< 0,50	wt%
18	alpha-methyl-1,3-benzodioxole-5-propionaldehyde			
	1205-17-0 214-881-6 -	Aquatic Chronic 2; H411 Skin Sens. 1B; H317 Repr. 2; H361	< 0,50	wt%
19	Coumarin			
	91-64-5 202-086-7 -	Acute Tox. 4; H302 Skin Sens. 1; H317 Aquatic Chronic 3; H412	< 0,50	wt%
20	[3R-(3alpha,3abeta,6alpha,7beta,8aalpha)]-octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl acetate			
	77-54-3 201-036-1 -	Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 0,50	wt%
21	pin-2(3)-ene			
	80-56-8 201-291-9 -	Flam. Liq. 3; H226 Acute Tox. 4; H302 Asp. Tox. 1; H304 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 0,50	wt%
22	2,6-di-tert-butyl-p-cresol			
	128-37-0 204-881-4 -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 0,50	wt%
23	(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one			
	23726-93-4 245-844-2 -	Aquatic Chronic 2; H411 Skin Irrit. 2; H315 Skin Sens. 1A; H317	< 0,10	wt%
24	isoeugenol		pls. refer to footnote (1)	

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97-54-1 202-590-7 604-094-00-X -	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1A; H317	< 0,10	wt%
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Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

(2) According to the latest state of knowledge and applying the criteria set out in annex I to Regulation (EC) No 1272/2008, the aforementioned classification is required. This classification goes beyond the classification set out in table 3, Annex VI to Regulation (CE) No 1272/2008.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	-	M = 1	-
11	D	-	-	-
24	-	Skin Sens. 1A; H317: C >= 0,01%	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

No	Route, target organ, concrete effect
9	H361 inhalational; -; -
18	H361 inhalational; -; -

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 persisting adverse effects, consult a physician. 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.

After skin contact

In case of contact with skin wash off immediately with copious amounts of water.

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).

After ingestion

Rinse the mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

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**

Alcohol resistant foam, CO₂, powders, water spray

Unsuitable extinguishing media

High power water jet

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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 protective clothing. Run-off water from fire fighting must not be discharged into drains or enter surface water.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Collect mechanically. When collected, handle material as described under the section heading "Disposal considerations". Avoid raising dust.

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 dust. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

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.

Storage Class according TRGS 510

10-13 Combustible and Non-combustible liquids and solids that cannot be assigned to storage class 1-8.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

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No	Substance name	CAS no.	EC no.	
1	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5	
	TRGS 900			
	(R)-p-Mentha-1,8-dien (D-Limonen)			
	WEL long-term (8-hr TWA reference period)	28	mg/m ³	5 ml/m ³
	Ceiling Limit	2(II)		
	Skin resorption / sensibilisation	H, Sh		
	Notes	Y		
2	vinyl acetate	108-05-4	203-545-4	
	2009/161/EU			
	vinyl acetate			
	WEL short-term (15 min reference period)	35,2	mg/m ³	10 ppm
	WEL long-term (8-hr TWA reference period)	17,6	mg/m ³	5 ppm
	TRGS 900			
	Vinylacetat			
	WEL long-term (8-hr TWA reference period)	36	mg/m ³	10 ml/m ³
	Ceiling Limit	1;=2=(I)		
	Skin resorption / sensibilisation	H		
	Notes	Y		
3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4	
	TRGS 900			
	2,6-Di-tert-butyl-p-kresol			
	WEL long-term (8-hr TWA reference period)	10 E	mg/m ³	
	Ceiling Limit	4 (II)		
	Notes	Y, 11		

DNEL, DMEL and PNEC values**DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	3,7-dimethylnona-1,6-dien-3-ol			10339-55-6 233-732-6	
	dermal	Long term (chronic)	systemic	2,7	mg/kg/day
	dermal	Short term (acut)	systemic	5,5	mg/kg/day
	dermal	Long term (chronic)	local	1,6	mg/cm ²
	dermal	Short term (acut)	local	1,6	mg/cm ²
	inhalative	Long term (chronic)	systemic	3	mg/m ³
	inhalative	Short term (acut)	systemic	18	mg/m ³
2	7-hydroxycitronellal			107-75-5 203-518-7	
	dermal	Long term (chronic)	systemic	4,9	mg/kg bw/day
	dermal	Short term (acut)	local	500	µg/cm ²
	inhalative	Long term (chronic)	systemic	8,7	mg/m ³
3	vinyl acetate			108-05-4 203-545-4	
	dermal	Long term (chronic)	systemic	0,42	mg/kg/day
	inhalative	Short term (acut)	systemic	35,2	mg/m ³
	inhalative	Short term (acut)	local	35,2	mg/m ³
	inhalative	Long term (chronic)	systemic	17,6	mg/m ³
	inhalative	Long term (chronic)	local	17,6	mg/m ³
4	2,6-di-tert-butyl-p-cresol			128-37-0 204-881-4	
	dermal	Long term (chronic)	systemic	0,5	mg/kg/day
	inhalative	Long term (chronic)	systemic	1,76	mg/m ³

DNEL value (consumer)

No	Substance name	CAS / EC no
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	Route of exposure	Exposure time	Effect	Value
1	3,7-dimethylnona-1,6-dien-3-ol			10339-55-6 233-732-6
	oral	Long term (chronic)	systemic	0,2 mg/kg/day
	oral	Short term (acut)	systemic	1,3 mg/kg/day
	dermal	Long term (chronic)	systemic	1,4 mg/kg/day
	dermal	Short term (acut)	systemic	2,7 mg/kg/day
	dermal	Long term (chronic)	local	1,6 mg/cm ²
	dermal	Short term (acut)	local	1,6 mg/cm ²
	inhalative	Long term (chronic)	systemic	0,74 mg/m ³
	inhalative	Short term (acut)	systemic	4,4 mg/m ³
	2	7-hydroxycitronellal		
oral		Long term (chronic)	systemic	1,2 mg/kg bw/day
dermal		Long term (chronic)	systemic	2,5 mg/kg bw/day
dermal		Short term (acut)	local	500 µg/cm ²
inhalative		Long term (chronic)	systemic	2,1 mg/m ³
3	2,6-di-tert-butyl-p-cresol			128-37-0 204-881-4
	oral	Long term (chronic)	systemic	0,25 mg/kg/day
	dermal	Long term (chronic)	systemic	0,25 mg/kg/day
	inhalative	Long term (chronic)	systemic	0,435 mg/m ³

PNEC values

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	3,7-dimethylnona-1,6-dien-3-ol		10339-55-6 233-732-6
	water	fresh water	0,023 mg/L
	water	marine water	0,002 mg/L
	water	Aqua intermittent	0,23 mg/L
	water	fresh water sediment	0,223 mg/kg dry weight
	water	marine water sediment	0,022 mg/kg dry weight
	soil	-	0,031 mg/kg dry weight
	sewage treatment plant	-	10 mg/L
	secondary poisoning with reference to: food	-	8,53 mg/kg
	2	7-hydroxycitronellal	
water		fresh water	31,6 µg/L
water		marine water	3,16 µg/L
soil		-	0,011 mg/kg dry weight
sewage treatment plant		-	10 mg/L
3	vinyl acetate		108-05-4 203-545-4
	water	fresh water	0,016 mg/L
	water	marine water	0,0016 mg/L
	water	Aqua intermittent	0,126 mg/L
	water	fresh water sediment	0,067 mg/kg
	water	marine water sediment	0,0067 mg/kg
	soil	-	0,0035 mg/kg
	sewage treatment plant	-	6 mg/L
4	2,6-di-tert-butyl-p-cresol		128-37-0 204-881-4
	water	fresh water	0,199 µg/L
	water	marine water	0,02 µg/L

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water	fresh water sediment	0,458	mg/kg dry weight
water	marine water sediment	0,046	mg/kg dry weight
soil	-	0,054	mg/kg dry weight
sewage treatment plant	-	0,017	mg/L
secondary poisoning	-	16,67	mg/kg food

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 dust formation, take appropriate measures for breathing protection in the event that workplace threshold values are not specified.

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

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

State of aggregation	
solid	
Form	
pellets	
Colour	
black	
Odour	
characteristic	
pH value	
reason for missing pH	substance/mixture is non-soluble (in water)
Boiling point / boiling range	
No data available	
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	

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Flash point			
No data available			
Ignition temperature			
No data available			
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
No data available			
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	7-hydroxycitronellal	107-75-5	203-518-7
	log Pow	1,68	
	Reference temperature	25	°C
	Method	OECD 107	
	Source	ECHA	
2	(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one	79-77-6	201-224-3
	log Pow	4,1	
	Method	OECD 117	
	Source	supplier	
3	vinyl acetate	108-05-4	203-545-4
	log Pow	0,73	
	Reference temperature	25	°C
	Source	ECHA	
4	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
	log Pow	~ 5,1	
	Source	ECHA / weight of evidence	
Kinematic viscosity			
No data available			
Particle characteristics			
No data available			

9.2 Other information

Other information
No data available.

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

No data available.

10.2 Chemical stability

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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

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

strong oxidizing agents; strong acids; strong bases

10.6 Hazardous decomposition products

None if stored, handled and transported properly. In case of fire: see section 5.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	7-hydroxycitronellal	107-75-5	203-518-7
LD50	>	6400	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
LD50	>	6000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	7-hydroxycitronellal	107-75-5	203-518-7
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	vinyl acetate	108-05-4	203-545-4
LD50		7440	mg/kg bodyweight
Species	rabbit		
Source	ECHA		
3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity			
No data available			

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	7-hydroxycitronellal	107-75-5	203-518-7
Duration of exposure		4	h
Species	rabbit		
Method	EU B.4		
Source	ECHA		
Evaluation	irritant		
2	vinyl acetate	108-05-4	203-545-4
Species	rabbit		
Method	OECD 404		

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Source Evaluation	ECHA non-irritant
3	2,6-di-tert-butyl-p-cresol 128-37-0 204-881-4
Species	rabbit
Method	Draize method
Source	ECHA
Evaluation	non-irritant

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	7-hydroxycitronellal	107-75-5	203-518-7
Species	rabbit		
Method	BASF-Test		
Source	ECHA		
Evaluation	non-irritant		
2	vinyl acetate	108-05-4	203-545-4
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
Species	rabbit		
Method	Draize method		
Source	ECHA		
Evaluation	non-irritant		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	7-hydroxycitronellal	107-75-5	203-518-7
Route of exposure	Skin		
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		
2	(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one	79-77-6	201-224-3
Route of exposure	Skin		
Species with reference to	Human		
Method	isomeric mixture maximization test		
Source	supplier		
Evaluation	non-sensitizing		
3	vinyl acetate	108-05-4	203-545-4
Route of exposure	Skin		
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	non-sensitizing		
4	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
Route of exposure	Skin		
Source	ECHA / Read across		
Evaluation	non-sensitizing		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	7-hydroxycitronellal	107-75-5	203-518-7
Method	OECD 476		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	vinyl acetate	108-05-4	203-545-4
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

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3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
Source	ECHA / weight of evidence		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity

No	Substance name	CAS no.	EC no.
1	7-hydroxycitronellal	107-75-5	203-518-7

Method	OECD 422
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

2	vinyl acetate	108-05-4	203-545-4
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Route of exposure	oral
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Type of examination	Two-Generation Reproduction Toxicity Study
Species	rat
Method	OECD 416
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
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Source	ECHA / weight of evidence		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity

No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4

Method	OECD 453
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are met.

2	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
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Source	ECHA / weight of evidence		
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	7-hydroxycitronellal	107-75-5	203-518-7

Method	OECD 422
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

2	vinyl acetate	108-05-4	203-545-4
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Route of exposure	oral
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Species	mouse
Method	OECD 408
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Route of exposure	inhalational
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Species	mouse
Method	OECD 453
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
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Route of exposure	oral
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NOAEL	25	mg/kg bw/d
Species	rats (male/female)	
Target organ	liver	
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	

Aspiration hazard

No data available

Endocrine disrupting properties

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No data available

11.2 Information on other hazards

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	7-hydroxycitronellal	107-75-5	203-518-7
LC50		31,6	mg/l
Duration of exposure		96	h
Species	Leuciscus idus		
Method	DIN 38412		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
LC50		0,199	mg/l
Duration of exposure		96	h
Species	freshwater fish		
Method	QSAR		
Source	ECHA		

Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
NOEC		0,551	mg/l
Duration of exposure		34	day(s)
Species	Pimephales promelas		
Method	OECD 210		
Source	ECHA		
2	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
NOEC		0,053	mg/l
Duration of exposure		30	day(s)
Species	Oryzias latipes		
Method	OECD 210		
Source	ECHA		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	7-hydroxycitronellal	107-75-5	203-518-7
EC50		410	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	EEC 79/831		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	vinyl acetate	108-05-4	203-545-4
EC50		12,6	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
EC50		0,48	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

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Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
NOEC		0,069	mg/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	7-hydroxycitronellal	107-75-5	203-518-7
EC50		123,32	mg/l
Duration of exposure		72	h
Species		Desmodesmus subspicatus	
Method		OECD 201	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

No	Substance name	CAS no.	EC no.
2	vinyl acetate	108-05-4	203-545-4
EC50		12,7	mg/l
Duration of exposure		72	h
Species		Pseudokirchneriella subcapitata	
Method		OECD 201	
Source		ECHA	

No	Substance name	CAS no.	EC no.
3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
EC50		0,758	mg/l
Duration of exposure		96	h
Species		Green algae	
Method		Weight of evidence - (Q)SAR	
Source		ECHA	

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
NOEC		0,24	mg/l
Duration of exposure		96	h
Species		Green algae	
Method		Weight of evidence - (Q)SAR	
Source		ECHA	

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
EC50		1,7	mg/l
Duration of exposure		24	h
Species		Tetrahymena pyriformis (Protozoa)	
Source		ECHA / weight of evidence	

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	7-hydroxycitronellal	107-75-5	203-518-7
Type		aerobic biodegradation	
Value		80	%
Duration		28	day(s)
Method		OECD 301 F	
Source		ECHA	
Evaluation		readily biodegradable	
2	vinyl acetate	108-05-4	203-545-4
Type		BOD	
Value		90	%

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Duration	14	d
Method	OECD 301 C	
Source	ECHA	
Evaluation	readily biodegradable	
3	2,6-di-tert-butyl-p-cresol	128-37-0 204-881-4
Source	ECHA / weight of evidence	
Evaluation/classification	Not readily biodegradable	

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
BCF		3,16	
Method	Calculation model used (Q)SAR		
Source	ECHA		
2	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
BCF		1,277	
Source	ECHA / weight of evidence		

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	7-hydroxycitronellal	107-75-5	203-518-7
log Pow		1,68	
Reference temperature		25	°C
Method	OECD 107		
Source	ECHA		
2	(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one	79-77-6	201-224-3
log Pow		4,1	
Method	OECD 117		
Source	supplier		
3	vinyl acetate	108-05-4	203-545-4
log Pow		0,73	
Reference temperature		25	°C
Source	ECHA		
4	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
log Pow		~ 5,1	
Source	ECHA / weight of evidence		

12.4 Mobility in soil

Mobility in soil			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
log Koc		1,38	
Method	QSAR		
Source	ECHA		

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
Product Name	
LINARI-OPALE Car Fragrance	
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.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

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No data available.

12.8 Other information**Other information**

Do not discharge into drains or waters and do not dispose of in public landfills.

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

Residues 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 UN number or ID number**

ADR/RID/ADN	UN3077
IMDG	UN3077
ICAO-TI / IATA	UN3077

14.2 UN proper shipping name

ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Technical name	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1 one (E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Technical name	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1 one (E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one
ICAO-TI / IATA	Environmentally hazardous substance, solid, n.o.s.
Technical name	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1 one (E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one

14.3 Transport hazard class(es)

ADR/RID/ADN - Class	9
Label	9
Classification code	M7
Tunnel restriction code	-
Hazard identification no.	90
IMDG - Class	9
Label	9
ICAO-TI / IATA - Class	9
Label	9

14.4 Packing group

ADR/RID/ADN	III
IMDG	III
ICAO-TI / IATA	III

14.5 Environmental hazards

ADR/RID/ADN	Symbol "fish and tree"
IMDG	Symbol "fish and tree"
EmS	F-A, S-F
ICAO-TI / IATA	Symbol "fish and tree"

14.6 Special precautions for user

No data available.

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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 contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5	75
2	citral	5392-40-5	226-394-6	75
3	geraniol	106-24-1	203-377-1	75
4	isoeugenol	97-54-1	202-590-7	75
5	linalool	78-70-6	201-134-4	75
6	vinyl acetate	108-05-4	203-545-4	75

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.

National regulations**Water Hazard Class (Germany)**

Class

3

Source

Classification according to AwSV (Regulation on facilities for handling substances that are hazardous to water).

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)

H225

Highly flammable liquid and vapour.

H226

Flammable liquid and vapour.

H302

Harmful if swallowed.

H304

May be fatal if swallowed and enters airways.

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H312	Harmful in contact with skin.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
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.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

D Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

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.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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