Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Room Scent Zagara Limone

Version number: GHS 1.0 Date of compilation: 03.03.2025

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

1.1 Product identifier

Trade name **Room Scent Zagara Limone**
Raumduft Zagara Limone

Unique formula identifier (UFI) F300-A06T-Y00K-G9C5

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

Relevant identified uses room scent
general use

1.3 Details of the supplier of the safety data sheet

Manufacturer:
PROMIN CS spol. s r.o.
Libá 101
351 31 Libá
Czech Republic
Telephone: +420 354 509 253
Website: www.promin.cz

Distributor:
Hotelbedarf24 GmbH & Co. KG
Heidestraße 8
95173 Schönwald
Germany
Tel: +49 9287 800 679 0
E-Mail: info@hotelbedarf24.de

e-mail (competent person) burda@promin.cz (Radek Burda)

1.4 Emergency telephone number

Emergency information service Toxicology Department of the II Medical Clinic Rechts der Isar of the Technical University Munich
Telephone: 089/1 92 40 (Notruf)
Telefax: 089/41 40-24 67
E-Mail: tox@mri.tum.de
Web: http://www.toxinfo.med.tum.de/node/380

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.6	flammable liquid	2	Flam. Liq. 2	H225
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
3.4S	skin sensitisation	1B	Skin Sens. 1B	H317
4.1C	hazardous to the aquatic environment - chronic hazard	3	Aquatic Chronic 3	H412

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses. Highly flammable liquid and vapour. Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- Signal word danger

- Pictograms

GHS02, GHS07

- Hazard statements

H225	Highly flammable liquid and vapour.
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.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container as hazardous waste.

- Hazardous ingredients for labelling

(R)-p-mentha-1,8-diene, (1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate, Linalyl acetate, Citral, Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde, Linalool, 7-hydroxycitronellal, Pin-2(3)-ene, Coumarin, [(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol; [(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol, Cineole, Geraniol, Caryophyllene

2.3 Other hazards

There is no additional information.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Name of substance	Identifier	Wt%	Classification acc. to 1272/2008/EC	Pictograms	Notes
Ethanol	CAS No 64-17-5 EC No	76,8	Flam. Liq. 2 / H225 Eye Irrit. 2 / H319		OEL

Name of substance	Identifier	Wt%	Classification acc. to 1272/2008/EC	Pictograms	Notes
	200-578-6 REACH Reg. No 01-2119457610-43-xxxx				
2-phenylethanol	CAS No 60-12-8 EC No 200-456-2 REACH Reg. No 01-2119963921-31-XXXX	1,1 – < 2,75	Acute Tox. 4 / H302 Eye Irrit. 2 / H319		
Benzyl acetate	CAS No 140-11-4 EC No 205-399-7	1,1 – < 2,75	Aquatic Chronic 3 / H412		
(R)-p-mentha-1,8-diene	CAS No 5989-27-5 EC No 227-813-5 Index No 601-029-00-7	1,1 – < 2,75	Flam. Liq. 3 / H226 Skin Irrit. 2 / H315 Skin Sens. 1B / H317 Asp. Tox. 1 / H304 Aquatic Acute 1 / H400 Aquatic Chronic 3 / H412		
Citral	CAS No 5392-40-5 EC No 226-394-6 Index No 605-019-00-3	0,275 – < 0,55	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317		
Linalyl acetate	CAS No 115-95-7 EC No 204-116-4 REACH Reg. No 01-2119454789-19-xxxx	0,275 – < 0,55	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317		
(1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate	EC No 939-728-7 REACH Reg. No 01-2119983293-30-xxxx	0,275 – < 0,55	Eye Irrit. 2 / H319 Skin Sens. 1B / H317 Aquatic Chronic 2 / H411		
Linalool	CAS No 78-70-6 EC No 201-134-4 Index No 603-235-00-2 REACH Reg. No 01-2119474016-42-xxxx	0,11 – < 0,275	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317		

Name of substance	Identifier	Wt%	Classification acc. to 1272/2008/EC	Pictograms	Notes
Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde	EC No 915-650-9 REACH Reg. No 01-2120769662-44-xxxx	0,11 – < 0,275	Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Skin Sens. 1B / H317 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410		
Cineole	CAS No 470-82-6 EC No 207-431-5	0,011 – < 0,11	Flam. Liq. 3 / H226 Skin Sens. 1B / H317		
7-methyl-3-methylenokta-1,6-dien	CAS No 123-35-3 EC No 204-622-5 REACH Reg. No 01-2119514321-56-xxxx	0,011 – < 0,11	Flam. Liq. 3 / H226 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Asp. Tox. 1 / H304 Aquatic Acute 1 / H400 Aquatic Chronic 2 / H411		
7-hydroxycitronellal	CAS No 107-75-5 EC No 203-518-7	0,011 – < 0,11	Eye Irrit. 2 / H319 Skin Sens. 1B / H317		
Pin-2(3)-ene	CAS No 80-56-8 EC No 201-291-9 REACH Reg. No 01-2119519223-49-xxxx	0,011 – < 0,11	Flam. Liq. 3 / H226 Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Skin Sens. 1B / H317 Asp. Tox. 1 / H304 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410		
Coumarin	CAS No 91-64-5 EC No 202-086-7 REACH Reg. No 01-2119949300-45-xxxx	0,011 – < 0,11	Acute Tox. 4 / H302 Skin Sens. 1 / H317 Aquatic Chronic 3 / H412		
Caryophyllene	CAS No 87-44-5 EC No 201-746-1 REACH Reg. No 01-2120745237-53-xxxx	0,011 – < 0,11	Skin Sens. 1B / H317 Asp. Tox. 1 / H304		
Geraniol	CAS No 106-24-1 EC No 203-377-1 Index No 603-241-00-5 REACH Reg. No 01-2119552430-49-xxxx	0,011 – < 0,11	Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Skin Sens. 1 / H317		

Name of substance	Identifier	Wt%	Classification acc. to 1272/2008/EC	Pictograms	Notes
Oxybenzone	CAS No 131-57-7 EC No 205-031-5	0,011 – < 0,11	Aquatic Acute 1 / H400 Aquatic Chronic 2 / H411		
[(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol; [(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol	CAS No 5502-75-0 EC No 939-719-8 REACH Reg. No 01-2119983532-32-xxxx	0,011 – < 0,11	Skin Irrit. 2 / H315 Skin Sens. 1B / H317		

Notes

OEL: substance with the national occupational exposure limit values

Hazardous ingredients: Concentration limit, M-Factor, ATE

Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
Ethanol	Eye Irrit. 2; H319: C ≥ 50 %	-	-	
(R)-p-mentha-1,8-diene	-	M-factor (acute) = 1	-	
2-phenylethanol	-	-	1.609 $^{mg}/_{kg}$	oral
Pin-2(3)-ene	-	-	500 $^{mg}/_{kg}$	oral
Coumarin	-	-	680 $^{mg}/_{kg}$ 293 $^{mg}/_{kg}$	oral dermal

Remarks

For full text of abbreviations: see SECTION 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

Following skin contact

Wash with plenty of soap and water. Take off immediately all contaminated clothing.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. If eye irritation persists: Get medical advice/attention.

Following ingestion

Do NOT induce vomiting. Get immediate medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Description of known symptoms following exposure, if relevant - see section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Extinguishing measures to surroundings.

Suitable extinguishing media

foam, fire extinguishing powder, carbon dioxide (CO2)

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO2)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance. Fire fighting crew should be adequately trained and equipped with self-contained breathing apparatus and full protective clothing. Cool closed containers exposed to fire with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Stop the leak if possible and safe to do so (seal, close the liquid isolation valve, put the leaking or damaged container to emergency container). Eliminate all sources of ignition. Ventilate affected area.

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. Collect contaminated soil and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece), sawdust, kieselgur (diatomite), sand, universal binder.

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Comply with the current legislation concerning the prevention of industrial risks. Containers which were opened must be carefully closed and kept upright to prevent leakage.

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

- Handling of incompatible substances or mixtures

Wear suitable personal protection. Do not breathe vapour.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Protect against frost, fire and direct sunlight.

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight. Ensure easy access to fire fighting measures in the place of use and storage.

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

7.3 Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of substance	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Source
DE	(R)-p-mentha-1,8-diene	5989-27-5	AGW	5	28	20	112	TRGS 900
DE	(R)-p-mentha-1,8-diene	5989-27-5	MAK	5	28	20	112	DFG
DE	2-phenylethanol	60-12-8	MAK					DFG
DE	Ethanol	64-17-5	MAK	200	380	800	1.520	DFG
DE	Ethanol	64-17-5	AGW	200	380	800	1.520	TRGS 900

Notation

STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Relevant DNELs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Ethanol	64-17-5	DNEL	343 mg/kg bw/day	human, dermal	worker (industry)	not specified
Ethanol	64-17-5	DNEL	206 mg/kg bw/day	human, dermal	consumer (private households)	not specified
Ethanol	64-17-5	DNEL	950 mg/m³	human, inhalatory	worker (industry)	not specified
Ethanol	64-17-5	DNEL	1.900 mg/m³	human, inhalatory	worker (industry)	not specified
Ethanol	64-17-5	DNEL	114 mg/m³	human, inhalatory	consumer (private households)	not specified
Ethanol	64-17-5	DNEL	950 mg/m³	human, inhalatory	consumer (private households)	not specified
Ethanol	64-17-5	DNEL	87 mg/kg bw/day	human, oral	consumer (private households)	not specified
2-phenylethanol	60-12-8	DNEL	59,9 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
2-phenylethanol	60-12-8	DNEL	21,2 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2-phenylethanol	60-12-8	DNEL	17,7 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
2-phenylethanol	60-12-8	DNEL	12,7 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
2-phenylethanol	60-12-8	DNEL	5,1 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
Benzyl acetate	140-11-4	DNEL	9 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Benzyl acetate	140-11-4	DNEL	2,5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Benzyl acetate	140-11-4	DNEL	2,2 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
Benzyl acetate	140-11-4	DNEL	1,3 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
Benzyl acetate	140-11-4	DNEL	1,3 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
(1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate		DNEL	3,51 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
(1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate		DNEL	1 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
(1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl		DNEL	233,3 µg/cm²	human, dermal	worker (industry)	chronic - local effects

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate						
(1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate		DNEL	0,85 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
(1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate		DNEL	0,5 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
(1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate		DNEL	0,5 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
Linalyl acetate	115-95-7	DNEL	2,75 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Linalyl acetate	115-95-7	DNEL	2,5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Linalyl acetate	115-95-7	DNEL	236,2 µg/cm²	human, dermal	worker (industry)	chronic - local effects
Linalyl acetate	115-95-7	DNEL	236,2 µg/cm²	human, dermal	worker (industry)	acute - local effects
Linalyl acetate	115-95-7	DNEL	0,68 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
Linalyl acetate	115-95-7	DNEL	1,25 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
Linalyl acetate	115-95-7	DNEL	236,2 µg/cm²	human, dermal	consumer (private households)	chronic - local effects
Linalyl acetate	115-95-7	DNEL	236,2 µg/cm²	human, dermal	consumer (private households)	acute - local effects
Linalyl acetate	115-95-7	DNEL	0,2 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde		DNEL	9,62 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde		DNEL	2,73 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde		DNEL	1,7 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde		DNEL	0,975 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde		DNEL	0,975 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
Linalool	78-70-6	DNEL	24,58 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Linalool	78-70-6	DNEL	3,5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Linalool	78-70-6	DNEL	4,33 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
Linalool	78-70-6	DNEL	1,25 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
Linalool	78-70-6	DNEL	2,49 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
7-hydroxycitronellal	107-75-5	DNEL	18 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
7-hydroxycitronellal	107-75-5	DNEL	1,9 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
7-hydroxycitronellal	107-75-5	DNEL	500 µg/cm²	human, dermal	worker (industry)	acute - local effects
7-hydroxycitronellal	107-75-5	DNEL	5,4 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
7-hydroxycitronellal	107-75-5	DNEL	1,1 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
7-hydroxycitronellal	107-75-5	DNEL	500 µg/cm²	human, dermal	consumer (private households)	acute - local effects
7-hydroxycitronellal	107-75-5	DNEL	0,6 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
Oxybenzone	131-57-7	DNEL	27,7 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Oxybenzone	131-57-7	DNEL	39 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Oxybenzone	131-57-7	DNEL	6,8 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Oxybenzone	131-57-7	DNEL	20 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
Oxybenzone	131-57-7	DNEL	2 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
Pin-2(3)-ene	80-56-8	DNEL	3,8 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Pin-2(3)-ene	80-56-8	DNEL	0,542 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Pin-2(3)-ene	80-56-8	DNEL	0,674 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
Pin-2(3)-ene	80-56-8	DNEL	0,225 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
Pin-2(3)-ene	80-56-8	DNEL	0,225 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
[(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol; [(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol	5502-75-0	DNEL	6,63 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
[(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol; [(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol	5502-75-0	DNEL	1,88 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
[(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol; [(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol	5502-75-0	DNEL	1,63 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
[(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol; [(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol	5502-75-0	DNEL	0,94 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
[(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol; [(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol	5502-75-0	DNEL	0,94 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
Cineole	470-82-6	DNEL	7,05 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Cineole	470-82-6	DNEL	2 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Cineole	470-82-6	DNEL	1,74 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
Cineole	470-82-6	DNEL	1 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
Cineole	470-82-6	DNEL	600 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects

Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Ethanol	64-17-5	PNEC	0,96 mg/l	not specified	water	short-term (single instance)
Ethanol	64-17-5	PNEC	0,79 mg/l	not specified	marine water	short-term (single instance)
Ethanol	64-17-5	PNEC	3,6 mg/kg	not specified	freshwater sediment	short-term (single in-

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
						stance)
Ethanol	64-17-5	PNEC	0,63 mg/kg	not specified	soil	short-term (single instance)
Ethanol	64-17-5	PNEC	580 mg/l	not specified	sewage treatment plant (STP)	short-term (single instance)
2-phenylethanol	60-12-8	PNEC	0,215 mg/l	not specified	freshwater	not specified
2-phenylethanol	60-12-8	PNEC	0,0215 mg/l	not specified	marine water	not specified
2-phenylethanol	60-12-8	PNEC	2,15 mg/l	not specified	water	intermittent release
2-phenylethanol	60-12-8	PNEC	10 mg/l	not specified	sewage treatment plant (STP)	not specified
2-phenylethanol	60-12-8	PNEC	1,454 mg/cm³	not specified	freshwater sediment	not specified
2-phenylethanol	60-12-8	PNEC	0,1454 mg/cm³	not specified	marine sediment	not specified
2-phenylethanol	60-12-8	PNEC	0,164 mg/kg	not specified	soil	not specified
Benzyl acetate	140-11-4	PNEC	0,018 mg/l	aquatic organisms	freshwater	short-term (single instance)
Benzyl acetate	140-11-4	PNEC	0,002 mg/l	aquatic organisms	marine water	short-term (single instance)
Benzyl acetate	140-11-4	PNEC	8,55 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Benzyl acetate	140-11-4	PNEC	0,526 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Benzyl acetate	140-11-4	PNEC	0,053 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Benzyl acetate	140-11-4	PNEC	0,094 mg/kg	terrestrial organisms	soil	short-term (single instance)
(1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate		PNEC	2,27 µg/l	aquatic organisms	freshwater	short-term (single instance)
(1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate		PNEC	0,227 µg/l	aquatic organisms	marine water	short-term (single instance)
(1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate		PNEC	1,7 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
(1r,4r)-1-methyl-4-(pro-		PNEC	0,254 mg/kg	aquatic organisms	freshwater sediment	short-term (single in-

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
pan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate						stance)
(1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate		PNEC	25,4 µg/kg	aquatic organisms	marine sediment	short-term (single instance)
(1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate		PNEC	49,4 µg/kg	terrestrial organisms	soil	short-term (single instance)
Linalyl acetate	115-95-7	PNEC	0,011 mg/l	aquatic organisms	freshwater	short-term (single instance)
Linalyl acetate	115-95-7	PNEC	0,001 mg/l	aquatic organisms	marine water	short-term (single instance)
Linalyl acetate	115-95-7	PNEC	1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Linalyl acetate	115-95-7	PNEC	0,609 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Linalyl acetate	115-95-7	PNEC	0,061 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Linalyl acetate	115-95-7	PNEC	0,115 mg/kg	terrestrial organisms	soil	short-term (single instance)
Linalool	78-70-6	PNEC	0,2 mg/l	aquatic organisms	freshwater	short-term (single instance)
Linalool	78-70-6	PNEC	0,02 mg/l	aquatic organisms	marine water	short-term (single instance)
Linalool	78-70-6	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Linalool	78-70-6	PNEC	2,22 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Linalool	78-70-6	PNEC	0,222 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Linalool	78-70-6	PNEC	0,327 mg/kg	terrestrial organisms	soil	short-term (single instance)
7-hydroxycitronellal	107-75-5	PNEC	31,6 µg/l	aquatic organisms	freshwater	short-term (single instance)
7-hydroxycitronellal	107-75-5	PNEC	3,16 µg/l	aquatic organisms	marine water	short-term (single instance)

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
7-hydroxycitronellal	107-75-5	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
7-hydroxycitronellal	107-75-5	PNEC	0,145 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
7-hydroxycitronellal	107-75-5	PNEC	0,015 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
7-hydroxycitronellal	107-75-5	PNEC	0,011 mg/kg	terrestrial organisms	soil	short-term (single instance)
Oxybenzone	131-57-7	PNEC	0,67 µg/l	aquatic organisms	freshwater	short-term (single instance)
Oxybenzone	131-57-7	PNEC	0,067 µg/l	aquatic organisms	marine water	short-term (single instance)
Oxybenzone	131-57-7	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Oxybenzone	131-57-7	PNEC	0,066 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Oxybenzone	131-57-7	PNEC	0,007 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Oxybenzone	131-57-7	PNEC	0,013 mg/kg	terrestrial organisms	soil	short-term (single instance)
Pin-2(3)-ene	80-56-8	PNEC	0,606 µg/l	aquatic organisms	freshwater	short-term (single instance)
Pin-2(3)-ene	80-56-8	PNEC	0,061 µg/l	aquatic organisms	marine water	short-term (single instance)
Pin-2(3)-ene	80-56-8	PNEC	0,2 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Pin-2(3)-ene	80-56-8	PNEC	157 µg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Pin-2(3)-ene	80-56-8	PNEC	15,7 µg/kg	aquatic organisms	marine sediment	short-term (single instance)
Pin-2(3)-ene	80-56-8	PNEC	31,7 µg/kg	terrestrial organisms	soil	short-term (single instance)
[(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol; [(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol	5502-75-0	PNEC	3,5 µg/l	aquatic organisms	freshwater	short-term (single instance)
[(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol; [(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol	5502-75-0	PNEC	3,5 µg/l	aquatic organisms	marine water	short-term (single instance)
[(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol; [(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol	5502-75-0	PNEC	1,9 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
[(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol; [(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol	5502-75-0	PNEC	2,118 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
[(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol; [(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol	5502-75-0	PNEC	211,8 µg/kg	aquatic organisms	marine sediment	short-term (single instance)
[(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol;	5502-75-0	PNEC	403 µg/kg	terrestrial organisms	soil	short-term (single instance)

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
[(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol						
Cineole	470-82-6	PNEC	57 µg/l	aquatic organisms	freshwater	short-term (single instance)
Cineole	470-82-6	PNEC	5,7 µg/l	aquatic organisms	marine water	short-term (single instance)
Cineole	470-82-6	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Cineole	470-82-6	PNEC	1,425 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Cineole	470-82-6	PNEC	0,142 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Cineole	470-82-6	PNEC	0,25 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Use personal protective equipment with CE marking.

Eye/face protection

Wear safety glasses or face protection when there is a likelihood of exposure.

Skin protection

- Hand protection

Wear suitable gloves. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. Protective gloves should be replaced immediately if damaged or in case of signs of wear.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Thermal hazards

In case of working with hot/molten material.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	after the perfume
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	213,5 °C at 101.325 Pa
Flammability	product is combustible

Lower and upper explosion limit	information on this property is not available
Flash point	21 °C
Auto-ignition temperature	245 °C
Decomposition temperature	not relevant
pH (value)	7
Kinematic viscosity	not determined

Solubility(ies)

Water solubility	soluble

Partition coefficient

Partition coefficient n-octanol/water (log value)	this information is not available

Vapour pressure

Vapour pressure	10 kPa at 143,6 °C

Density and/or relative density

Density	not determined
Relative vapour density	information on this property is not available

Particle characteristics

Particle characteristics	not relevant (liquid)

9.2 Other information

There is no additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

The product is not reactive under normal conditions of storage and handling.

10.2 Chemical stability

It is stable under normal use and storage conditions.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

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

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to Regulation (EC) No 1272/2008 (CLP)

Acute toxicity

Not classified as a mixture with acute toxicity.

- Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	Endpoint	Value	Species
2-phenylethanol	60-12-8	oral	LD50	1.609 $^{mg}/_{kg}$	rat
2-phenylethanol	60-12-8	dermal	LD50	2.535 $^{mg}/_{kg}$	rabbit
Citral	5392-40-5	dermal	LD50	2.250 $^{mg}/_{kg}$	unknown
Coumarin	91-64-5	oral	LD50	680 $^{mg}/_{kg}$	rat
Coumarin	91-64-5	dermal	LD50	293 $^{mg}/_{kg}$	rabbit

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Acc. to 1272/2008/EC: Harmful to aquatic life with long lasting effects.
Ordinance on facilities for handling substances hazardous to water (AwSV): WGK 2, obviously hazardous to water (Germany)

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
(R)-p-mentha-1,8-diene	5989-27-5	LC50	720 µg/l	fish	96 h
(R)-p-mentha-1,8-diene	5989-27-5	EC50	688 µg/l	fish	96 h
(R)-p-mentha-1,8-diene	5989-27-5	ErC50	0,32 mg/l	algae	72 h
(R)-p-mentha-1,8-diene	5989-27-5	NOEC	0,09 mg/l	algae	48 h
Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde		LC50	0,23 mg/l	fish	96 h
Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde		EC50	0,43 mg/l	aquatic invertebrates	48 h
Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde		ErC50	>0,88 mg/l	algae	72 h
Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde		growth rate (ErCx) 10%	0,56 mg/l	algae	72 h
Oxybenzone	131-57-7	LC50	3,8 mg/l	fish	96 h
Oxybenzone	131-57-7	EC50	1,87 mg/l	aquatic invertebrates	48 h
Oxybenzone	131-57-7	ErC50	0,67 mg/l	algae	72 h
Oxybenzone	131-57-7	NOEC	0,72 mg/l	fish	96 h
Oxybenzone	131-57-7	LOEC	1,05 mg/l	fish	96 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Benzyl acetate	140-11-4	EC50	855 mg/l	microorganisms	3 h
Benzyl acetate	140-11-4	NOEC	0,92 mg/l	fish	28 d
(1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate		EC50	264 mg/l	microorganisms	3 h
Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde		EC50	≥1.000 mg/l	microorganisms	3 h

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde		NOEC	10 mg/l	microorganisms	3 h
Oxybenzone	131-57-7	EC50	>100 mg/l	microorganisms	3 h
Oxybenzone	131-57-7	growth (EbCx) 20%	>100 mg/l	microorganisms	3 h

12.2 Persistence and degradability

Information on this property is not available.

Degradability of components

Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
Benzyl acetate	140-11-4	carbon dioxide generation	100,9 %	28 d		ECHA
(1r,4r)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; (1s,4s)-1-methyl-4-(propan-2-yl)cyclohexyl acetate; 2-[(1r,4r)-4-methylcyclohexyl]propan-2-yl acetate; 2-[(1s,4s)-4-methylcyclohexyl]propan-2-yl acetate		oxygen depletion	85 %	28 d		ECHA
Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde		oxygen depletion	71 %	28 d		ECHA
Linalool	78-70-6	oxygen depletion	40,9 %	5 d		ECHA
Oxybenzone	131-57-7	oxygen depletion	60 – 70 %	28 d		ECHA
[(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol; [(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol	5502-75-0	oxygen depletion	91 %	28 d		ECHA
Cineole	470-82-6	carbon dioxide generation	82 %	28 d		ECHA

12.3 Bioaccumulative potential

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW
(R)-p-mentha-1,8-diene	5989-27-5	361	
2-phenylethanol	60-12-8		1,36
Benzyl acetate	140-11-4	8	1,96 (pH value: 7, 25 °C)

Name of substance	CAS No	BCF	Log KOW
Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde			4,7 (25 °C)
Linalool	78-70-6		2,9 (pH value: 7, 20 °C)
7-hydroxycitronellal	107-75-5		1,68 (25 °C)
Oxybenzone	131-57-7	>39 - <160	3,45 (pH value: 7,71, 40 °C)
[(1r,4r)-4-(propan-2-yl)cyclohexyl]methanol; [(1s,4s)-4-(propan-2-yl)cyclohexyl]methanol	5502-75-0		3,55 (pH value: 6, 30 °C)
Cineole	470-82-6		3,4
Caryophyllene	87-44-5		6,23 (pH value: 7, 25 °C)

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

12.6 Endocrine disrupting properties

Information not available.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents/container to a facility in accordance with local and national regulations. Waste should be recovered or disposed of in authorized incineration plants or waste facilities in accordance with applicable regulations.

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Use appropriate container to avoid environmental contamination. Only packagings which are approved (e.g. acc. to ADR) may be used.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. If this product and its packaging become waste, the owner of the waste is obliged to assign the corresponding code to the waste according to the decree on the creation of the Catalog of waste.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN	UN 1993
IMDG-Code	UN 1993
ICAO-TI	UN 1993

14.2 UN proper shipping name

ADR/RID/ADN	FLAMMABLE LIQUID, N.O.S.
IMDG-Code	FLAMMABLE LIQUID, N.O.S.
ICAO-TI	Flammable liquid, n.o.s.

Technical name (hazardous ingredients)	Ethanol, hexán

14.3 Transport hazard class(es)

ADR/RID/ADN	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

ADR/RID/ADN	II
IMDG-Code	II
ICAO-TI	II

14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information

Classification code	F1
Danger label(s)	3

Special provisions (SP)	274, 601, 640D
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L
Transport category (TC)	2
Tunnel restriction code (TRC)	D/E
Hazard identification No	33

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant	-
Danger label(s)	3

Special provisions (SP)	274
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L
EmS	F-E, S-E
Stowage category	B

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Danger label(s)	3

Special provisions (SP)	A3
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Regulation of the European Parliament and of the Council (EC) No. 1907/2006 (REACH) as amended,
Regulation of the European Parliament and of the Council (EC) No. 1272/2008 (CLP) as amended.

Restrictions according to REACH, Annex XVII

The product and listed ingredients are subject to the following restrictions, according to REACH Annex XVII. None of these restrictions are applicable for the identified use of the product

Dangerous substances with restrictions (REACH, Annex XVII)

Name of substance	Name acc. to inventory	CAS No	Restriction	No
Room Scent Zagara Limone	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		R3	3
Ethanol	flammable / pyrophoric		R40	40
Ethanol	substances in tattoo inks and permanent make-up		R75	75
Cineole	flammable / pyrophoric		R40	40
Cineole	substances in tattoo inks and permanent make-up		R75	75
7-methyl-3-methylenokta-1,6-dien	flammable / pyrophoric		R40	40
7-methyl-3-methylenokta-1,6-dien	substances in tattoo inks and permanent make-up		R75	75
Pin-2(3)-ene	flammable / pyrophoric		R40	40
Pin-2(3)-ene	substances in tattoo inks and permanent make-up		R75	75
Citral	substances in tattoo inks and permanent make-up		R75	75
(R)-p-mentha-1,8-diene	flammable / pyrophoric		R40	40
(R)-p-mentha-1,8-diene	substances in tattoo inks and permanent make-up		R75	75
Caryophyllene	substances in tattoo inks and permanent make-up		R75	75
Geraniol	substances in tattoo inks and permanent make-up		R75	75
Linalool	substances in tattoo inks and permanent make-up		R75	75

Legend

R3 1. Shall not be used in:
- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ash-

Legend

trays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
2. Articles not complying with paragraph 1 shall not be placed on the market.
3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
— can be used as fuel in decorative oil lamps for supply to the general public, and
— present an aspiration hazard and are labelled with H304.
4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
5. Without prejudice to the implementation of other Union provisions relating to the classification, labelling and packaging of substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
(a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: “Keep lamps filled with this liquid out of the reach of children”; and, by 1 December 2010, “Just a sip of lamp oil – or even sucking the wick of lamps – may lead to life-threatening lung damage”;
(b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: ‘Just a sip of grill lighter fluid may lead to life threatening lung damage’;
(c) lamps oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.’;

R40 1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:
- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- ‘whoopee’ cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.
2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:
‘For professional users only’.
3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC (2).
4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

R75 1. Shall not be placed on the market in mixtures for use for tattooing purposes, and mixtures containing any such substances shall not be used for tattooing purposes, after 4 January 2022 if the substance or substances in question is or are present in the following circumstances:
(a) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as carcinogen category 1A, 1B or 2, or germ cell mutagen category 1A, 1B or 2, the substance is present in the mixture in a concentration equal to or greater than 0,00005 % by weight;
(b) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as reproductive toxicant category 1A, 1B or 2, the substance is present in the mixture in a concentration equal to or greater than 0,001 % by weight;
(c) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as skin sensitiser category 1, 1A or 1B, the substance is present in the mixture in a concentration equal to or greater than 0,001 % by weight;
(d) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as skin corrosive category 1, 1A, 1B or 1C or skin irritant category 2, or as serious eye damage category 1 or eye irritant category 2, the substance is present in the mixture in a concentration equal to or greater than:
(i) 0,1 % by weight, if the substance is used solely as a pH regulator;
(ii) 0,01 % by weight, in all other cases;
(e) in the case of a substance listed in Annex II to Regulation (EC) No 1223/2009 (*1), the substance is present in the mixture in a concentration equal to or greater than 0,00005 % by weight;
(f) in the case of a substance for which a condition of one or more of the following kinds is specified in column g (Product type, Body parts) of the table in Annex IV to Regulation (EC) No 1223/2009, the substance is present in the mixture in a concentration equal to or greater than 0,00005 % by weight:
(i) “Rinse-off products”;
(ii) “Not to be used in products applied on mucous membranes”;
(iii) “Not to be used in eye products”;
(g) in the case of a substance for which a condition is specified in column h (Maximum concentration in ready for use preparation) or column i (Other) of the table in Annex IV to Regulation (EC) No 1223/2009, the substance is present in the mixture in a concentration, or in some other way, that does not accord with the condition specified in that column;
(h) in the case of a substance listed in Appendix 13 to this Annex, the substance is present in the mixture in a concentration equal to or greater than the concentration limit specified for that substance in that Appendix.
2. For the purposes of this entry use of a mixture “for tattooing purposes” means injection or introduction of the mixture into a person’s skin, mucous membrane or eyeball, by any process or procedure (including procedures commonly referred to as permanent make-up, cosmetic tattooing, micro-blading and micro-pigmentation), with the aim of making a mark or design on his or her body.
3. If a substance not listed in Appendix 13 falls within more than one of points (a) to (g) of paragraph 1, the strictest concentration limit laid down in the points in question shall apply to that substance. If a substance listed in Appendix 13 also falls within one or more of points (a) to (g) of paragraph 1, the concentration limit laid down in point (h) of paragraph 1 shall apply to that substance.
4. By way of derogation, paragraph 1 shall not apply to the following substances until 4 January 2023:
(a) Pigment Blue 15:3 (CI 74160, EC No 205-685-1, CAS No 147-14-8);
(b) Pigment Green 7 (CI 74260, EC No 215-524-7, CAS No 1328-53-6).
5. If Part 3 of Annex VI to Regulation (EC) No 1272/2008 is amended after 4 January 2021 to classify or re-classify a substance such that the substance then becomes caught by point (a), (b), (c) or (d) of paragraph 1 of this entry, or such that it then falls within a different one of those points from the one within which it fell previously, and the date of application of that new or revised classification is after the date referred to in paragraph 1 or, as the case may be, paragraph 4 of this entry, that amendment shall, for the purposes of applying this

Legend

entry to that substance, be treated as taking effect on the date of application of that new or revised classification.
6. If Annex II or Annex IV to Regulation (EC) No 1223/2009 is amended after 4 January 2021 to list or change the listing of a substance such that the substance then becomes caught by point (e), (f) or (g) of paragraph 1 of this entry, or such that it then falls within a different one of those points from the one within which it fell previously, and the amendment takes effect after the date referred to in paragraph 1 or, as the case may be, paragraph 4 of this entry, that amendment shall, for the purposes of applying this entry to that substance, be treated as taking effect from the date falling 18 months after entry into force of the act by which that amendment was made.
7. Suppliers placing a mixture on the market for use for tattooing purposes shall ensure that, after 4 January 2022, the mixture is marked with the following information:
(a) the statement “Mixture for use in tattoos or permanent make-up”;
(b) a reference number to uniquely identify the batch;
(c) the list of ingredients in accordance with the nomenclature established in the glossary of common ingredient names pursuant to Article 33 of Regulation (EC) No 1223/2009, or in the absence of a common ingredient name, the IUPAC name. In the absence of a common ingredient name or IUPAC name, the CAS and EC number. Ingredients shall be listed in descending order by weight or volume of the ingredients at the time of formulation. “Ingredient” means any substance added during the process of formulation and present in the mixture for use for tattooing purposes. Impurities shall not be regarded as ingredients. If the name of a substance, used as ingredient within the meaning of this entry, is already required to be stated on the label in accordance with Regulation (EC) No 1272/2008, that ingredient does not need to be marked in accordance with this Regulation;
(d) the additional statement “pH regulator” for substances falling under point (d)(i) of paragraph 1;
(e) the statement "Contains nickel. Can cause allergic reactions." if the mixture contains nickel below the concentration limit specified in Appendix 13;
(f) the statement "Contains chromium (VI). Can cause allergic reactions." if the mixture contains chromium (VI) below the concentration limit specified in Appendix 13;
(g) safety instructions for use insofar as they are not already required to be stated on the label by Regulation (EC) No 1272/2008.
The information shall be clearly visible, easily legible and marked in a way that is indelible.
The information shall be written in the official language(s) of the Member State(s) where the mixture is placed on the market, unless the Member State(s) concerned provide(s) otherwise.
Where necessary because of the size of the package, the information listed in the first subparagraph, except for point (a), shall be included instead in the instructions for use.
Before using a mixture for tattooing purposes, the person using the mixture shall provide the person undergoing the procedure with the information marked on the package or included in the instructions for use pursuant to this paragraph.
8. Mixtures that do not contain the statement “Mixture for use in tattoos or permanent make-up” shall not be used for tattooing purposes.
9. This entry does not apply to substances that are gases at temperature of 20 °C and pressure of 101,3 kPa, or generate a vapour pressure of more than 300 kPa at temperature of 50 °C, with the exception of formaldehyde (CAS No 50-00-0, EC No 200-001-8).
10. This entry does not apply to the placing on the market of a mixture for use for tattooing purposes, or to the use of a mixture for tattooing purposes, when placed on the market exclusively as a medical device or an accessory to a medical device, within the meaning of Regulation (EU) 2017/745, or when used exclusively as a medical device or an accessory to a medical device, within the same meaning. Where the placing on the market or use may not be exclusively as a medical device or an accessory to a medical device, the requirements of Regulation (EU) 2017/745 and of this Regulation shall apply cumulatively.

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

none of the ingredients are listed

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

National regulations (Germany)

Ordinance on facilities for handling substances hazardous to water (AwSV)

Wassergefährdungsklasse, WGK (water hazard class) 2 obviously hazardous to water

Technical instructions on air quality control (Germany)

Number	Group of substances	Class	Conc.	Mass flow	Mass concentration	Notation
5.2.5	organic substances		≥ 25 wt%	0,5 $^{kg}/_{h}$	50 $^{mg}/_{m^3}$	3)

Notation

3) a total mass flow of 0.50 kg/h or a total mass concentration of 50 mg/m³, each of which to be indicated as total carbon, shall not be exceeded (except organic particulate matter)

Storage of hazardous substances in non-stationary containers (TRGS 510) (Germany)

Storage class (LGK) 3 (flammable or desensitizing explosive liquids)

15.2 Chemical safety assessment

A chemical safety assessment has been performed for substances with a REACH registration number.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
ADR/RID/ADN	Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN)
AGW	Workplace exposure limit
Aquatic Acute	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
Asp. Tox.	Aspiration hazard
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DFG	Deutsche Forschungsgemeinschaft MAK-und BAT-Werte-Liste, Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Wiley-VCH, Weinheim
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008

Abbr.	Descriptions of used abbreviations
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LGK	Lagerklasse (storage class according to TRGS 510, Germany)
LOEC	Lowest Observed Effect Concentration
log KOW	n-Octanol/water
M-factor	Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
STEL	Short-term exposure limit
SVHC	Substance of Very High Concern
TRGS	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany)
TRGS 900	Arbeitsplatzgrenzwerte (TRGS 900)
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.

Code	Text
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Training advice

Training recommendations: Workers must be aware of handling risks and health and environmental protection requirements.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.