Safety Data Sheet

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

California Scents Palms Ocean Wave

Version number: GHS 5.0
Replaces version of: 2021-11-22 (GHS 4)

Revision: 2023-07-12

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

1.1 Product identifier

Trade name **California Scents Palms Ocean Wave**

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

Relevant identified uses Consumer uses: Air Freshener

1.3 Details of the supplier of the safety data sheet

Energizer Trading Ltd.
Sword House
Totteridge Road
High Wycombe HP13 6DG
United Kingdom

Telephone: +44(0)88000353376
e-mail: ConsumerServiceEU@energizer.com

1.4 Emergency telephone number

Emergency information service This number is only available during the following office hours: Mon-Fri 09:00 AM - 05:00 PM

Poison centre

Name	Postal code/city	Telephone
UK poison centre		Product information has been submitted to the UK National Poisons Information Service (NPIS) and is accessible to medical health professionals.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
3.4S	skin sensitisation	1	Skin Sens. 1	H317
4.1C	hazardous to the aquatic environment - chronic hazard	2	Aquatic Chronic 2	H411

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.

California Scents Palms Ocean Wave

2.2 Label elements

Labelling

- Signal word warning

- Pictograms

GHS07, GHS09

- Hazard statements

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

- Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with national regulations.

- Hazardous ingredients for labelling: Hexyl salicylate, 3,7-dimethylnona-1,6-dien-3-ol, Linalyl acetate, Aquanal, Hydroxycitronellal, Citronellol, allyl 3-cyclohexylpropionate

Labelling of packages where the contents do not exceed 125 ml

- Signal word warning

- Hazard pictogram(s)

Warning. GHS07, GHS09

- Hazard statements

H317	May cause an allergic skin reaction.

- Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with national regulations.

- Contains: Hexyl salicylate, 3,7-dimethylnona-1,6-dien-3-ol, Linalyl acetate, Aquanal, Hydroxycitronellal, Citronellol, allyl 3-cyclohexylpropionate

2.3 Other hazards

Results of PBT and vPvB assessment

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

Endocrine disrupting properties

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Hexamethylindanopyran	CAS No 1222-05-5 EC No 214-946-9 Index No 603-212-00-7	5 – < 10	Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410	
Hexyl salicylate	CAS No 6259-76-3 EC No 228-408-6	1 – < 5	Skin Sens. 1B / H317 Aquatic Chronic 1 / H410	
Linalyl acetate	CAS No 115-95-7 EC No 204-116-4	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317	
Florosol	CAS No 63500-71-0 EC No 405-040-6 Index No 603-101-00-3	1 – < 5	Eye Irrit. 2 / H319	
3,7-dimethylnona-1,6-dien-3-ol	CAS No 10339-55-6 EC No 233-732-6	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317	

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Aquanal	CAS No 1205-17-0 EC No 214-881-6	< 1	Skin Sens. 1B / H317 Repr. 2 / H361 Aquatic Chronic 2 / H411	
Hydroxycitronellal	CAS No 107-75-5 EC No 203-518-7	< 1	Eye Irrit. 2 / H319 Skin Sens. 1B / H317	
Amyl cinnamal	CAS No 122-40-7 EC No 204-541-5	< 1	Aquatic Acute 1 / H400 Aquatic Chronic 2 / H411	
allyl 3-cyclohexylpropion-ate	CAS No 2705-87-5 EC No 220-292-5	< 1	Acute Tox. 4 / H302 Acute Tox. 4 / H312 Skin Sens. 1B / H317 Aquatic Acute 1 / H400 Aquatic Chronic 2 / H411	
Citronellol	CAS No 106-22-9 EC No 203-375-0	< 1	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317	

Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
allyl 3-cyclohexylpropion-ate	-	-	500 $^{mg}/_{kg}$ 1,600 $^{mg}/_{kg}$	oral dermal

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. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

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

Following skin contact

Wash with plenty of soap and water.

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.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water, Foam, ABC-powder

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains, Take up mechanically

Advice on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

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

Recommendations

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

Use local and general ventilation. Use only in well-ventilated areas. Ground/bond container and receiving equipment.

- Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

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

Managing of associated risks

- Explosive atmospheres

Removal of dust deposits.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
GB	cellulose	9004-34-6	WEL		10		20			i	EH40/2005
GB	cellulose	9004-34-6	WEL		4					r	EH40/2005

Notation

Ceiling-C	ceiling value is a limit value above which exposure should not occur
i	inhalable fraction
r	respirable fraction
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	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Hexamethylindanopyran	1222-05-5	DNEL	13.5 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Hexamethylindanopyran	1222-05-5	DNEL	36.7 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Florosol	63500-71-0	DNEL	44.1 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Florosol	63500-71-0	DNEL	41.7 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Hexyl salicylate	6259-76-3	DNEL	20,830 mg/kg	human, dermal	worker (industry)	acute - systemic effects
Hexyl salicylate	6259-76-3	DNEL	7.29 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
Hexyl salicylate	6259-76-3	DNEL	1.7 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Hexyl salicylate	6259-76-3	DNEL	6.4 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Hexyl salicylate	6259-76-3	DNEL	885 µg/cm²	human, dermal	worker (industry)	chronic - local effects
Hexyl salicylate	6259-76-3	DNEL	885 µg/cm²	human, dermal	worker (industry)	acute - local 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
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	DNEL	3 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	DNEL	18 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	DNEL	2.7 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	DNEL	5.5 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects
Aquanal	1205-17-0	DNEL	1.2 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Aquanal	1205-17-0	DNEL	0.17 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Hydroxycitronellal	107-75-5	DNEL	500 µg/cm²	human, dermal	worker (industry)	acute - local effects
Hydroxycitronellal	107-75-5	DNEL	8.7 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Hydroxycitronellal	107-75-5	DNEL	4.9 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Hydroxycitronellal	107-75-5	DNEL	500 µg/cm²	human, dermal	worker (industry)	chronic - local effects
Amyl cinnamal	122-40-7	DNEL	19.7 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Amyl cinnamal	122-40-7	DNEL	5.6 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
allyl 3-cyclohexylpropionate	2705-87-5	DNEL	21.13 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
allyl 3-cyclohexylpropionate	2705-87-5	DNEL	5.99 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
allyl 3-cyclohexylpropionate	2705-87-5	DNEL	17.97 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects
Citronellol	106-22-9	DNEL	161.6 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Citronellol	106-22-9	DNEL	10 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
Citronellol	106-22-9	DNEL	10 mg/m³	human, inhalatory	worker (industry)	acute - local effects
Citronellol	106-22-9	DNEL	327.4 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Citronellol	106-22-9	DNEL	2,950 µg/cm²	human, dermal	worker (industry)	acute - local effects

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Hexamethylindanopyran	1222-05-5	PNEC	6.8 µg/l	aquatic organisms	freshwater	short-term (single instance)
Hexamethylindanopyran	1222-05-5	PNEC	0.44 µg/l	aquatic organisms	marine water	short-term (single instance)
Hexamethylindanopyran	1222-05-5	PNEC	1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Hexamethylindanopyran	1222-05-5	PNEC	2 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Hexamethylindanopyran	1222-05-5	PNEC	0.394 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Hexamethylindanopyran	1222-05-5	PNEC	1.5 mg/kg	terrestrial organisms	soil	short-term (single instance)
Florosol	63500-71-0	PNEC	0.94 mg/l	aquatic organisms	water	intermittent release
Florosol	63500-71-0	PNEC	0.094 mg/l	aquatic organisms	freshwater	short-term (single instance)

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Florosol	63500-71-0	PNEC	0.009 mg/l	aquatic organisms	marine water	short-term (single instance)
Florosol	63500-71-0	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Florosol	63500-71-0	PNEC	0.412 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Florosol	63500-71-0	PNEC	0.041 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Florosol	63500-71-0	PNEC	0.09 mg/kg	terrestrial organisms	soil	short-term (single instance)
Hexyl salicylate	6259-76-3	PNEC	0.00357 mg/l	aquatic organisms	water	intermittent release
Hexyl salicylate	6259-76-3	PNEC	0 mg/l	aquatic organisms	freshwater	short-term (single instance)
Hexyl salicylate	6259-76-3	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
Hexyl salicylate	6259-76-3	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Hexyl salicylate	6259-76-3	PNEC	0.272 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Hexyl salicylate	6259-76-3	PNEC	0.027 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Hexyl salicylate	6259-76-3	PNEC	0.054 mg/kg	terrestrial organisms	soil	short-term (single instance)
Linalyl acetate	115-95-7	PNEC	0.11 mg/l	aquatic organisms	water	intermittent release
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)

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Linalyl acetate	115-95-7	PNEC	0.115 mg/kg	terrestrial organisms	soil	short-term (single instance)
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	PNEC	8.53 mg/kg	aquatic organisms	water	short-term (single instance)
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	PNEC	0.23 mg/l	aquatic organisms	water	intermittent release
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	PNEC	0.023 mg/l	aquatic organisms	freshwater	short-term (single instance)
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	PNEC	0.002 mg/l	aquatic organisms	marine water	short-term (single instance)
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	PNEC	0.223 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	PNEC	0.022 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	PNEC	0.031 mg/kg	terrestrial organisms	soil	short-term (single instance)
Aquanal	1205-17-0	PNEC	0.005 mg/l	aquatic organisms	freshwater	short-term (single instance)
Aquanal	1205-17-0	PNEC	0.001 mg/l	aquatic organisms	marine water	short-term (single instance)
Aquanal	1205-17-0	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Aquanal	1205-17-0	PNEC	0.057 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Aquanal	1205-17-0	PNEC	0.006 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Aquanal	1205-17-0	PNEC	0.008 mg/kg	terrestrial organisms	soil	short-term (single instance)
Hydroxycitronellal	107-75-5	PNEC	316 µg/l	aquatic organisms	water	intermittent release
Hydroxycitronellal	107-75-5	PNEC	31.6 µg/l	aquatic organisms	freshwater	short-term (single instance)
Hydroxycitronellal	107-75-5	PNEC	3.16 µg/l	aquatic organisms	marine water	short-term (single instance)

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Hydroxycitronellal	107-75-5	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Hydroxycitronellal	107-75-5	PNEC	0.145 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Hydroxycitronellal	107-75-5	PNEC	0.015 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Hydroxycitronellal	107-75-5	PNEC	0.011 mg/kg	terrestrial organisms	soil	short-term (single instance)
Amyl cinnamal	122-40-7	PNEC	1.69 µg/l	aquatic organisms	freshwater	short-term (single instance)
Amyl cinnamal	122-40-7	PNEC	1.69 µg/l	aquatic organisms	marine water	short-term (single instance)
Amyl cinnamal	122-40-7	PNEC	0.171 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Amyl cinnamal	122-40-7	PNEC	0.171 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Amyl cinnamal	122-40-7	PNEC	33.2 µg/kg	terrestrial organisms	soil	short-term (single instance)
allyl 3-cyclohexylpropionate	2705-87-5	PNEC	143 mg/kg	aquatic organisms	water	short-term (single instance)
allyl 3-cyclohexylpropionate	2705-87-5	PNEC	1.3 µg/l	aquatic organisms	water	intermittent release
allyl 3-cyclohexylpropionate	2705-87-5	PNEC	1.28 µg/l	aquatic organisms	freshwater	short-term (single instance)
allyl 3-cyclohexylpropionate	2705-87-5	PNEC	0.128 µg/l	aquatic organisms	marine water	short-term (single instance)
allyl 3-cyclohexylpropionate	2705-87-5	PNEC	0.2 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
allyl 3-cyclohexylpropionate	2705-87-5	PNEC	237.5 µg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
allyl 3-cyclohexylpropionate	2705-87-5	PNEC	23.75 µg/kg	aquatic organisms	marine sediment	short-term (single instance)
allyl 3-cyclohexylpropionate	2705-87-5	PNEC	46.61 µg/kg	terrestrial organisms	soil	short-term (single instance)
Citronellol	106-22-9	PNEC	0.024 mg/l	aquatic organisms	water	intermittent release

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Citronellol	106-22-9	PNEC	0.002 mg/l	aquatic organisms	freshwater	short-term (single instance)
Citronellol	106-22-9	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
Citronellol	106-22-9	PNEC	580 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Citronellol	106-22-9	PNEC	0.026 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Citronellol	106-22-9	PNEC	0.003 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Citronellol	106-22-9	PNEC	0.004 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. 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. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Type of material

PVA: polyvinyl alcohol, Nitrile

- Material thickness

>0.5 mm

- Breakthrough times of the glove material

>120 minutes (permeation: level 4)

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

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	solid
Colour	light blue - black
Odour	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	215.3 °C at 1,013 mbar
Flammability	this material is combustible, but will not ignite readily
Lower and upper explosion limit	not determined
Flash point	85 °C at 1,013 hPa
Auto-ignition temperature	not determined
Decomposition temperature	not relevant
pH (value)	not applicable
Kinematic viscosity	not relevant
Solubility(ies)	not determined

Partition coefficient

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

Vapour pressure	<1 hPa at 20 °C

Density and/or relative density

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

Particle characteristics	no data available

9.2 Other information

Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant
Other safety characteristics	there is no additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

10.5 Incompatible materials

Oxidisers

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 toxicological effects

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 acc. to GHS

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
allyl 3-cyclohexylpropionate	2705-87-5	oral	500 $^{mg}/_{kg}$
allyl 3-cyclohexylpropionate	2705-87-5	dermal	1,600 $^{mg}/_{kg}$

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

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.

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SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Hexamethylindan-opyran	1222-05-5	LC50	0.95 $^{mg}/_{l}$	fish	96 h
Hexamethylindan-opyran	1222-05-5	EC50	0.194 $^{mg}/_{l}$	aquatic invertebrates	48 h
Hexamethylindan-opyran	1222-05-5	ErC50	>0.854 $^{mg}/_{l}$	green algae (Selen-astrum capricornutum)	72 h
Hexamethylindan-opyran	1222-05-5	NOEC	0.201 $^{mg}/_{l}$	green algae (Selen-astrum capricornutum)	72 h
Florosol	63500-71-0	EC50	320 $^{mg}/_{l}$	aquatic invertebrates	48 h
Florosol	63500-71-0	ErC50	>100 $^{mg}/_{l}$	green algae (Selen-astrum capricornutum)	72 h
Florosol	63500-71-0	NOEC	≥320 $^{mg}/_{l}$	aquatic invertebrates	48 h
Hexyl salicylate	6259-76-3	EC50	0.543 $^{mg}/_{l}$	aquatic invertebrates	24 h
Hexyl salicylate	6259-76-3	ErC50	0.61 $^{mg}/_{l}$	green algae (Selen-astrum capricornutum)	72 h
Hexyl salicylate	6259-76-3	NOEC	0.14 $^{mg}/_{l}$	aquatic invertebrates	24 h
Hexyl salicylate	6259-76-3	LOEC	0.31 $^{mg}/_{l}$	aquatic invertebrates	24 h
Linalyl acetate	115-95-7	ErC50	62 $^{mg}/_{l}$	green algae (Selen-astrum capricornutum)	72 h
Linalyl acetate	115-95-7	LC50	11 $^{mg}/_{l}$	fish	96 h
Linalyl acetate	115-95-7	EC50	59 $^{mg}/_{l}$	aquatic invertebrates	48 h
Linalyl acetate	115-95-7	NOEC	25 $^{mg}/_{l}$	aquatic invertebrates	48 h
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	LC50	24 $^{mg}/_{l}$	fish	24 h
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	EC50	23 $^{mg}/_{l}$	aquatic invertebrates	48 h
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	ErC50	25.1 $^{mg}/_{l}$	green algae (Selen-astrum capricornutum)	72 h

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	NOEC	5 $^{mg}/_{l}$	fish	96 h
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	LOEC	16 $^{mg}/_{l}$	fish	96 h
Aquanal	1205-17-0	LC50	5.3 $^{mg}/_{l}$	fish	96 h
Aquanal	1205-17-0	EC50	17 $^{mg}/_{l}$	aquatic invertebrates	24 h
Aquanal	1205-17-0	ErC50	28 $^{mg}/_{l}$	green algae (Selenastrum capricornutum)	72 h
Aquanal	1205-17-0	LOEC	4.5 $^{mg}/_{l}$	fish	96 h
Aquanal	1205-17-0	NOEC	2.4 $^{mg}/_{l}$	fish	96 h
Hydroxycitronellal	107-75-5	LC50	31.6 $^{mg}/_{l}$	fish	96 h
Hydroxycitronellal	107-75-5	EC50	410 $^{mg}/_{l}$	aquatic invertebrates	48 h
Hydroxycitronellal	107-75-5	ErC50	123.3 $^{mg}/_{l}$	green algae (Selenastrum capricornutum)	72 h
Amyl cinnamal	122-40-7	LC50	0.91 $^{mg}/_{l}$	fish	96 h
Amyl cinnamal	122-40-7	EC50	0.28 $^{mg}/_{l}$	aquatic invertebrates	48 h
Amyl cinnamal	122-40-7	ErC50	>1.5 $^{mg}/_{l}$	green algae (Selenastrum capricornutum)	72 h
Amyl cinnamal	122-40-7	NOEC	0.21 $^{mg}/_{l}$	green algae (Selenastrum capricornutum)	72 h
allyl 3-cyclohexylpropionate	2705-87-5	LC50	0.13 $^{mg}/_{l}$	fish	96 h
allyl 3-cyclohexylpropionate	2705-87-5	EC50	3.8 $^{mg}/_{l}$	aquatic invertebrates	48 h
allyl 3-cyclohexylpropionate	2705-87-5	ErC50	3 $^{mg}/_{l}$	green algae (Selenastrum capricornutum)	72 h
allyl 3-cyclohexylpropionate	2705-87-5	NOEC	0.86 $^{mg}/_{l}$	aquatic invertebrates	48 h
Citronellol	106-22-9	LC50	14.66 $^{mg}/_{l}$	fish	96 h
Citronellol	106-22-9	EC50	17.48 $^{mg}/_{l}$	aquatic invertebrates	48 h
Citronellol	106-22-9	NOEC	4.6 $^{mg}/_{l}$	fish	96 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Hexamethylindan-opyran	1222-05-5	LC50	>0.14 mg/l	fish	36 d
Hexamethylindan-opyran	1222-05-5	EC50	0.282 mg/l	aquatic invertebrates	21 d
Hexamethylindan-opyran	1222-05-5	NOEC	0.068 mg/l	fish	36 d
Hexamethylindan-opyran	1222-05-5	LOEC	0.075 mg/l	aquatic invertebrates	5.5 d
Florosol	63500-71-0	EC50	>1,000 mg/l	microorganisms	3 h
Florosol	63500-71-0	NOEC	1,000 mg/l	microorganisms	3 h
Linalyl acetate	115-95-7	LC50	11.14 mg/l	fish	20 h
Linalyl acetate	115-95-7	NOEC	>25.7 mg/l	microorganisms	28 d
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	EC50	59 mg/l	aquatic invertebrates	24 h
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	LC50	28 mg/l	fish	3 h
Aquanal	1205-17-0	EC50	≤1,000 mg/l	microorganisms	3 h
Aquanal	1205-17-0	NOEC	100 mg/l	microorganisms	3 h
Amyl cinnamal	122-40-7	EC50	0.054 mg/l	aquatic invertebrates	21 d
Amyl cinnamal	122-40-7	NOEC	0.041 mg/l	aquatic invertebrates	21 d
allyl 3-cyclohexylpropi-onate	2705-87-5	EC50	7.7 mg/l	aquatic invertebrates	24 h
allyl 3-cyclohexylpropi-onate	2705-87-5	NOEC	59 µg/l	fish	28 d
allyl 3-cyclohexylpropi-onate	2705-87-5	LOEC	180 µg/l	fish	28 d
Citronellol	106-22-9	EC50	>10,000 mg/l	microorganisms	30 min

12.2 Persistence and degradability

Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
Hexamethyl-indanopyran	1222-05-5	carbon dioxide generation	1 %	28 d		ECHA
Florosol	63500-71-0	carbon dioxide generation	0 – 10 %	28 d		ECHA
Hexyl salicylate	6259-76-3	oxygen depletion	91 %	28 d		ECHA
Linalyl acetate	115-95-7	oxygen depletion	≥0 – ≤10 %	1 d		ECHA
3,7-dimethyl-nona-1,6-dien-3-ol	10339-55-6	oxygen depletion	6 %	4 d		ECHA
Hydroxycitron-ellal	107-75-5	oxygen depletion	80 – 90 %	21 d		ECHA
Amyl cinnamal	122-40-7	oxygen depletion	41.19 %	42 d		ECHA
allyl 3-cyclo-hexylpropion-ate	2705-87-5	oxygen depletion	60 %	7 d		ECHA
Citronellol	106-22-9	oxygen depletion	80 – 90 %	28 d		ECHA

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Hexamethylindanopyran	1222-05-5	1,635	5.3 (pH value: 7, 25 °C)	
Florosol	63500-71-0		1.65 (23 °C)	
Hexyl salicylate	6259-76-3	8,913	5.5 (pH value: ~7, 30 °C)	
Linalyl acetate	115-95-7	174	3.9 (25 °C)	
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6		3.3 (20 °C)	
Aquanal	1205-17-0		2.4 (25 °C)	
Hydroxycitronellal	107-75-5		1.68 (25 °C)	

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Amyl cinnamal	122-40-7	586	2.498 (pH value: 6.2, 25 °C)	
allyl 3-cyclohexylpropionate	2705-87-5	307.8	4.28 (pH value: ~5.3, 20 °C)	
Citronellol	106-22-9	82.59	3.41 (25 °C)	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0,1%.

12.6 Endocrine disrupting properties

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

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

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.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID	UN 3077
IMDG-Code	UN 3077
ICAO-TI	UN 3077

14.2 UN proper shipping name

ADR/RID	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
IMDG-Code	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
ICAO-TI	Environmentally hazardous substance, solid, n.o.s.
Technical name (hazardous ingredients)	Hexamethylindanopyran, Hexyl salicylate

14.3 Transport hazard class(es)

ADR/RID	9
IMDG-Code	9
ICAO-TI	9

14.4 Packing group

ADR/RID	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

hazardous to the aquatic environment

Environmentally hazardous substance (aquatic environment)	Hexamethylindanopyran, Hexyl salicylate

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

Not regulated when carried in single or combination packaging containing a net quantity of 5L or less or 5 kg or less per the following:
DOT: 171.4(2)
ADR: SP 375
IMDG: 2.10.2.7
IATA: special provision A197, DOT

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) - Additional information

Particulars in the transport document	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains: Hexamethylindanopyran, Hexyl salicylate), 9, III, (-)
Classification code	M7
Danger label(s)	9, fish and tree

Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	274, 335, 375, 601
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg
Transport category (TC)	3
Tunnel restriction code (TRC)	-
Hazard identification No	90
Emergency Action Code	2Z

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) - Additional information

Classification code	M7
Danger label(s)	9, fish and tree

Environmental hazards	yes (hazardous to water)
Special provisions (SP)	274, 335, 375, 601
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg
Transport category (TC)	3
Hazard identification No	90

International Maritime Dangerous Goods Code (IMDG) - Additional information

Particulars in the shipper's declaration	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains: Hexamethylindanopyran, Hexyl salicylate), 9, III
Marine pollutant	yes (hazardous to the aquatic environment) (Hexamethylindanopyran)
Danger label(s)	9, fish and tree

Special provisions (SP)	274, 335, 966, 967, 969
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg

EmS	F-A, S-F
Stowage category	A

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

Particulars in the shipper's declaration	UN3077, Environmentally hazardous substance, solid, n.o.s., (contains: Hexamethylindanopyran, Hexyl salicylate), 9, III
Environmental hazards	yes (hazardous to the aquatic environment)
Danger label(s)	9, fish and tree

Special provisions (SP)	A97, A158, A179, A197, A215
Excepted quantities (EQ)	E1
Limited quantities (LQ)	30 kg

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)

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

none of the ingredients are listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

Water Framework Directive (WFD)

List of pollutants (WFD)

Name of substance	CAS No	Listed in	Remarks
Hexamethylindanopyran		a)	
Aquanal		a)	

Legend
A) Indicative list of the main pollutants

Regulation on the marketing and use of explosives precursors

none of the ingredients are listed

Regulation on drug precursors

none of the ingredients are listed

Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

National regulations (GB)

List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list

none of the ingredients are listed

Restrictions according to GB REACH, Annex 17

Dangerous substances with restrictions (GB REACH, Annex 17)

Name of substance	Name acc. to inventory	CAS No	No
Hexyl salicylate	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Linalyl acetate	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Hexamethylindanopyran	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
allyl 3-cyclohexylpropionate	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Florosol	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Hydroxycitronellal	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Citronellol	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Aquanal	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Amyl cinnamal	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
3,7-dimethylnona-1,6-dien-3-ol	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3

National inventories

Country	Inventory	Status
AU	AIIC	all ingredients are listed
CA	DSL	all ingredients are listed
CN	IECSC	all ingredients are listed
EU	ECSI	all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
JP	CSCL-ENCS	not all ingredients are listed
JP	ISHA-ENCS	not all ingredients are listed
KR	KECI	all ingredients are listed
MX	INSQ	not all ingredients are listed
NZ	NZIoC	all ingredients are listed
PH	PICCS	all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	all ingredients are listed
US	TSCA	all ingredients are listed (ACTIVE)

Legend

AIIC	Australian Inventory of Industrial Chemicals
CICR	Chemical Inventory and Control Regulation
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
INSQ	National Inventory of Chemical Substances
ISHA-ENCS	Inventory of Existing and New Chemical Substances (ISHA-ENCS)
KECI	Korea Existing Chemicals Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
2.2	- Hazardous ingredients for labelling: Cyclamal, Linalyl acetate, Hydroxycitronellal, Linalool	- Hazardous ingredients for labelling: Hexyl salicylate, 3,7-dimethylnona-1,6-dien-3-ol, Linalyl acetate, Aquanal, Hydroxycitronellal, Citronellol, allyl 3-cyclohexylpropionate	yes
2.2	- Contains: Cyclamal, Linalyl acetate, Hydroxycitronellal, Linalool	- Contains: Hexyl salicylate, 3,7-dimethylnona-1,6-dien-3-ol, Linalyl acetate, Aquanal, Hydroxycitronellal, Citronellol, allyl 3-cyclohexylpropionate	yes
2.3	Other hazards: of no significance	Other hazards	yes
2.3		Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0,1%.	yes
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0,1%.	yes
3.2		Description of the mixture: change in the listing (table)	yes
3.2		Description of the mixture: change in the listing (table)	yes
4.1	Following skin contact: Rinse skin with water/shower.	Following skin contact: Wash with plenty of soap and water.	yes
5.2	Special hazards arising from the substance or mixture: Deposited combustible dust has considerable explosion potential.	Special hazards arising from the substance or mixture	yes
7.1	- Measures to prevent fire as well as aerosol and dust generation: Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Ground/bond container and receiving equipment.	- Measures to prevent fire as well as aerosol and dust generation: Use local and general ventilation. Use only in well-ventilated areas. Ground/bond container and receiving equipment.	yes
7.2	- Ventilation requirements: Use local and general ventilation.		yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
8.1		Relevant DNELs of components of the mixture: change in the listing (table)	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
8.1		Relevant PNECs of components of the mixture: change in the listing (table)	yes
8.2	Respiratory protection: Particulate filter device (EN 143).	Respiratory protection: In case of inadequate ventilation wear respiratory protection.	yes
9.1	Boiling point or initial boiling point and boiling range: 150 °C at 1,013 hPa	Boiling point or initial boiling point and boiling range: 215.3 °C at 1,013 mbar	yes
9.1	Flash point: 46 °C at 1,013 hPa	Flash point: 85 °C at 1,013 hPa	yes
9.1	Auto-ignition temperature: 210 °C	Auto-ignition temperature: not determined	yes
9.1	Vapour pressure: 2.6 hPa at 20 °C	Vapour pressure: <1 hPa at 20 °C	yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (acute) of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)	yes
12.2		Degradability of components of the mixture: change in the listing (table)	yes
12.3		Bioaccumulative potential of components of the mixture: change in the listing (table)	yes
12.5	Results of PBT and vPvB assessment: Data are not available.	Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0,1%.	yes
12.6	Endocrine disrupting properties: Information on this property is not available.	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0,1%.	yes
14.2	Technical name (hazardous ingredients): Hexamethylindanopyran, Methyl Ionone	Technical name (hazardous ingredients): Hexamethylindanopyran, Hexyl salicylate	yes
14.5	Environmentally hazardous substance (aquatic environment): Hexamethylindanopyran, Methyl Ionone	Environmentally hazardous substance (aquatic environment): Hexamethylindanopyran, Hexyl salicylate	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relev-ant
14.7	Particulars in the transport document: UN3077, ENVIRONMENTALLY HAZARDOUS SUB-STANCE, SOLID, N.O.S., (contains: Hexamethyl-indanopyran, Methyl Ionone), 9, III, (-)	Particulars in the transport document: UN3077, ENVIRONMENTALLY HAZARDOUS SUB-STANCE, SOLID, N.O.S., (contains: Hexamethyl-indanopyran, Hexyl salicylate), 9, III, (-)	yes
14.7		Regulations concerning the International Car-riage of Dangerous Goods by Rail (RID) - Addition-al information	yes
14.7		Classification code: M7	yes
14.7		Danger label(s): 9, fish and tree	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Environmental hazards: yes (hazardous to water)	yes
14.7		Special provisions (SP): 274, 335, 375, 601	yes
14.7		Excepted quantities (EQ): E1	yes
14.7		Limited quantities (LQ): 5 kg	yes
14.7		Transport category (TC): 3	yes
14.7		Hazard identification No: 90	yes
14.7	Particulars in the shipper's declaration: UN3077, ENVIRONMENTALLY HAZARDOUS SUB-STANCE, SOLID, N.O.S., (contains: Hexamethyl-indanopyran, Methyl Ionone), 9, III, 46°C c.c.	Particulars in the shipper's declaration: UN3077, ENVIRONMENTALLY HAZARDOUS SUB-STANCE, SOLID, N.O.S., (contains: Hexamethyl-indanopyran, Hexyl salicylate), 9, III	yes
14.7	Particulars in the shipper's declaration: UN3077, Environmentally hazardous substance, solid, n.o.s., (contains: Hexamethylindanopyran, Methyl Ionone), 9, III	Particulars in the shipper's declaration: UN3077, Environmentally hazardous substance, solid, n.o.s., (contains: Hexamethylindanopyran, Hexyl salicylate), 9, III	yes
15.1	Restrictions according to REACH, Annex XVII		yes
15.1		Dangerous substances with restrictions (REACH, Annex XVII): change in the listing (table)	yes
15.1	List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list: none of the ingredients are listed		yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relev-ant
15.1		List of pollutants (WFD): change in the listing (table)	yes
15.1	Regulation on drug precursors	Regulation on drug precursors: none of the ingredients are listed	yes
15.1		Regulation on drug precursors: change in the listing (table)	yes
15.1		National regulations (GB)	yes
15.1		List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list: none of the ingredients are listed	yes
15.1		Restrictions according to GB REACH, Annex 17	yes
15.1		Dangerous substances with restrictions (GB REACH, Annex 17): change in the listing (table)	yes
15.1		National inventories: change in the listing (table)	yes

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Acute	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)

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Abbr.	Descriptions of used abbreviations
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)
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/)
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
GB REACH	The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
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
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LOEC	Lowest Observed Effect Concentration
log KOW	n-Octanol/water
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million

Abbr.	Descriptions of used abbreviations
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
Repr.	Reproductive toxicity
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
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

Key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). 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
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
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.
H411	Toxic to aquatic life with long lasting effects.

California Scents Palms Ocean Wave

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Disclaimer

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