Safety Data Sheet

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

California Scents Palms Ice

Version number: GHS 8.1
Replaces version of: 2022-07-15 (GHS 7)

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 Ice**

Alternative number(s): 091400039370, 091400040703, 091400040741, 091400040253, 091400041144, 091400039349

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	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.

2.2 Label elements

Labelling

- Signal word warning

- Pictograms

GHS07

- Hazard statements

H317	May cause an allergic skin reaction.
H412	Harmful 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: Tetramethyl Acetyloctahydronaphthalenes, 3,7-dimethylnona-1,6-dien-3-ol, 3,7-dimethylocta-1,6-diene, d-carvone, Hexyl cinnamaldehyde, Linalyl acetate, Eugenol, Dorisyl, Cineole, Linalool, Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene, D-Limonene

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

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Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Tetramethyl Acetyloctahydronaphthalenes	EC No 915-730-3	1 – < 5	Skin Irrit. 2 / H315 Skin Sens. 1B / H317 Aquatic Chronic 2 / H411	
Dihydromyrcenol	CAS No 18479-58-8 EC No 242-362-4	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H336	
3,7-dimethylnona-1,6-dien-3-ol	CAS No 10339-55-6 EC No 233-732-6	< 1	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317	
3,7-dimethylocta-1,6-diene	CAS No 2436-90-0 EC No 219-433-3	< 1	Flam. Liq. 3 / H226 Skin Irrit. 2 / H315 Skin Sens. 1B / H317 Asp. Tox. 1 / H304 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410	
Hexamethylindanopyran	CAS No 1222-05-5 EC No 214-946-9 Index No 603-212-00-7	< 1	Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410	
Hexyl cinnamaldehyde	CAS No 165184-98-5 101-86-0 EC No 639-566-4 202-983-3	< 1	Skin Sens. 1 / H317 Aquatic Acute 1 / H400 Aquatic Chronic 2 / H411	
d-carvone	CAS No 2244-16-8 EC No 218-827-2 Index No 606-148-00-8	< 1	Skin Sens. 1 / H317	
Linalyl acetate	CAS No 115-95-7 EC No 204-116-4	< 1	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317	

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Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
D-Limonene	CAS No 5989-27-5 EC No 227-813-5 Index No 601-029-00-7	< 1	Flam. Liq. 3 / H226 Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Asp. Tox. 1 / H304 Aquatic Acute 1 / H400 Aquatic Chronic 3 / H412	
Eugenol	CAS No 97-53-0 EC No 202-589-1	< 1	Eye Irrit. 2 / H319 Skin Sens. 1B / H317	
Dorisyl	CAS No 32210-23-4 EC No 250-954-9	< 1	Skin Sens. 1B / H317	
Cineole	CAS No 470-82-6 EC No 207-431-5	< 1	Flam. Liq. 3 / H226 Skin Sens. 1B / H317	
Linalool	CAS No 78-70-6 EC No 201-134-4 Index No 603-235-00-2	< 1	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317	
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	CAS No 144020-22-4 EC No 482-330-9	< 1	Skin Sens. 1B / H317 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410	

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.

7.3 Specific end use(s)

See section 16 for a general overview.

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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
Tetramethyl Acetyloctahydronaphthalenes		DNEL	30 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Tetramethyl Acetyloctahydronaphthalenes		DNEL	28.7 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Tetramethyl Acetyloctahydronaphthalenes		DNEL	648 µg/cm²	human, dermal	worker (industry)	chronic - local effects
Dihydromyrcenol	18479-58-8	DNEL	24.7 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Dihydromyrcenol	18479-58-8	DNEL	7 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic 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

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
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
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
Hexyl cinnamaldehyde	165184-98-5 101-86-0	DNEL	0.078 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Hexyl cinnamaldehyde	165184-98-5 101-86-0	DNEL	6.28 mg/m³	human, inhalatory	worker (industry)	acute - local effects
Hexyl cinnamaldehyde	165184-98-5 101-86-0	DNEL	18.2 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Hexyl cinnamaldehyde	165184-98-5 101-86-0	DNEL	525 µg/cm²	human, dermal	worker (industry)	chronic - local effects
Hexyl cinnamaldehyde	165184-98-5 101-86-0	DNEL	525 µg/cm²	human, dermal	worker (industry)	acute - local effects
d-carvone	2244-16-8	DNEL	47,500 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
d-carvone	2244-16-8	DNEL	12 mg/kg bw/day	human, dermal	worker (industry)	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
D-Limonene	5989-27-5	DNEL	66.7 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
D-Limonene	5989-27-5	DNEL	9.5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Eugenol	97-53-0	DNEL	21.2 mg/m³	human, inhalatory	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
Eugenol	97-53-0	DNEL	6 mg/kg bw/day	human, dermal	worker (industry)	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
Linalool	78-70-6	DNEL	16.5 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
Linalool	78-70-6	DNEL	5 mg/kg bw/day	human, dermal	worker (industry)	acute - 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
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodeca-triene	144020-22-4	DNEL	7.3 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodeca-triene	144020-22-4	DNEL	2 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodeca-triene	144020-22-4	DNEL	5,399 µg/cm²	human, dermal	worker (industry)	chronic - local effects

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Tetramethyl Acetyloctahydronaphthalenes		PNEC	4.4 µg/l	aquatic organisms	freshwater	short-term (single instance)
Tetramethyl Acetyloctahydronaphthalenes		PNEC	0.44 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
Tetramethyl Acetyloctahydronaphthalenes		PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Tetramethyl Acetyloctahydronaphthalenes		PNEC	3.73 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Tetramethyl Acetyloctahydronaphthalenes		PNEC	0.75 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Tetramethyl Acetyloctahydronaphthalenes		PNEC	2.7 mg/kg	terrestrial organisms	soil	short-term (single instance)
Dihydromyrcenol	18479-58-8	PNEC	111 mg/kg	aquatic organisms	water	short-term (single instance)
Dihydromyrcenol	18479-58-8	PNEC	0.278 mg/l	aquatic organisms	water	intermittent release
Dihydromyrcenol	18479-58-8	PNEC	27.8 µg/l	aquatic organisms	freshwater	short-term (single instance)
Dihydromyrcenol	18479-58-8	PNEC	2.78 µg/l	aquatic organisms	marine water	short-term (single instance)
Dihydromyrcenol	18479-58-8	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Dihydromyrcenol	18479-58-8	PNEC	0.594 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Dihydromyrcenol	18479-58-8	PNEC	0.059 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Dihydromyrcenol	18479-58-8	PNEC	0.103 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)

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
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)
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)
Hexyl cinnamaldehyde	165184-98-5 101-86-0	PNEC	0.001 mg/l	aquatic organisms	freshwater	short-term (single instance)
Hexyl cinnamaldehyde	165184-98-5 101-86-0	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
Hexyl cinnamaldehyde	165184-98-5 101-86-0	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Hexyl cinnamaldehyde	165184-98-5 101-86-0	PNEC	3.2 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Hexyl cinnamaldehyde	165184-98-5 101-86-0	PNEC	0.064 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Hexyl cinnamaldehyde	165184-98-5 101-86-0	PNEC	0.398 mg/kg	terrestrial organisms	soil	short-term (single instance)
d-carvone	2244-16-8	PNEC	50 µg/l	aquatic organisms	freshwater	short-term (single instance)
d-carvone	2244-16-8	PNEC	5 µg/l	aquatic organisms	marine water	short-term (single instance)
d-carvone	2244-16-8	PNEC	20.2 mg/l	aquatic organisms	sewage treatment plant (STP)	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
d-carvone	2244-16-8	PNEC	0.861 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
d-carvone	2244-16-8	PNEC	86.1 $^{µg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
d-carvone	2244-16-8	PNEC	0.143 $^{mg}/_{kg}$	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)
Linalyl acetate	115-95-7	PNEC	0.115 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
D-Limonene	5989-27-5	PNEC	14 $^{µg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
D-Limonene	5989-27-5	PNEC	1.4 $^{µg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
D-Limonene	5989-27-5	PNEC	1.8 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
D-Limonene	5989-27-5	PNEC	3.85 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
D-Limonene	5989-27-5	PNEC	0.385 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
D-Limonene	5989-27-5	PNEC	0.763 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
Eugenol	97-53-0	PNEC	11.3 $^{µg}/_{l}$	aquatic organisms	water	intermittent release
Eugenol	97-53-0	PNEC	1.13 $^{µg}/_{l}$	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
Eugenol	97-53-0	PNEC	0.113 µg/l	aquatic organisms	marine water	short-term (single instance)
Eugenol	97-53-0	PNEC	0.081 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Eugenol	97-53-0	PNEC	0.008 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Eugenol	97-53-0	PNEC	0.015 mg/kg	terrestrial organisms	soil	short-term (single instance)
Dorisyl	32210-23-4	PNEC	5.3 µg/l	aquatic organisms	freshwater	short-term (single instance)
Dorisyl	32210-23-4	PNEC	0.53 µg/l	aquatic organisms	marine water	short-term (single instance)
Dorisyl	32210-23-4	PNEC	12.2 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Dorisyl	32210-23-4	PNEC	2.01 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Dorisyl	32210-23-4	PNEC	0.21 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Dorisyl	32210-23-4	PNEC	66.67 mg/kg	aquatic organisms	water	short-term (single instance)
Dorisyl	32210-23-4	PNEC	0.42 mg/kg	terrestrial organisms	soil	short-term (single instance)
Dorisyl	32210-23-4	PNEC	53 µg/l	aquatic organisms	water	intermittent release
Cineole	470-82-6	PNEC	0.57 mg/l	aquatic organisms	water	intermittent release
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)

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Cineole	470-82-6	PNEC	0.25 mg/kg	terrestrial organisms	soil	short-term (single instance)
Linalool	78-70-6	PNEC	7.8 mg/kg	aquatic organisms	water	short-term (single instance)
Linalool	78-70-6	PNEC	2 mg/l	aquatic organisms	water	intermittent release
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)
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	144020-22-4	PNEC	2.31 µg/l	aquatic organisms	freshwater	short-term (single instance)
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	144020-22-4	PNEC	0.231 µg/l	aquatic organisms	marine water	short-term (single instance)
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	144020-22-4	PNEC	1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	144020-22-4	PNEC	2.9 mg/kg	aquatic organisms	freshwater 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
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	144020-22-4	PNEC	0.29 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	144020-22-4	PNEC	0.54 $^{mg}/_{kg}$	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	black
Odour	Conforms to standard
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	193 °C at 100.9 kPa
Flammability	non-combustible
Lower and upper explosion limit	not determined
Flash point	93.33 °C
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	12 Pa 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.

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.

SECTION 12: Ecological information

12.1 Toxicity

Harmful 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
Tetramethyl Acetyloctahydronaphthalenes		LC50	1.3 mg/l	fish	96 h
Tetramethyl Acetyloctahydronaphthalenes		EC50	1.38 mg/l	aquatic invertebrates	48 h
Tetramethyl Acetyloctahydronaphthalenes		ErC50	>2.6 mg/l	green algae (Selenastrum capricornutum)	24 h
Tetramethyl Acetyloctahydronaphthalenes		NOEC	≥2.6 mg/l	green algae (Selenastrum capricornutum)	72 h
Dihydromyrcenol	18479-58-8	LC50	27.8 mg/l	fish	96 h
Dihydromyrcenol	18479-58-8	EC50	38 mg/l	aquatic invertebrates	48 h
Dihydromyrcenol	18479-58-8	ErC50	80 mg/l	green algae (Selenastrum capricornutum)	72 h
Dihydromyrcenol	18479-58-8	NOEC	<3.5 mg/l	fish	96 h
Dihydromyrcenol	18479-58-8	LOEC	50 mg/l	green algae (Selenastrum capricornutum)	72 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 (Selenastrum capricornutum)	72 h
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
Hexamethylindanopyran	1222-05-5	LC50	0.95 mg/l	fish	96 h
Hexamethylindanopyran	1222-05-5	EC50	0.194 mg/l	aquatic invertebrates	48 h
Hexamethylindanopyran	1222-05-5	ErC50	>0.854 mg/l	green algae (Selenastrum capricornutum)	72 h

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Hexamethylindan-opyran	1222-05-5	NOEC	0.201 mg/l	green algae (Selen-astrum capricornutum)	72 h
Hexyl cinnamaldehyde	165184-98-5 101-86-0	LC50	1.7 mg/l	fish	96 h
Hexyl cinnamaldehyde	165184-98-5 101-86-0	EC50	<0.59 mg/l	aquatic invertebrates	48 h
Hexyl cinnamaldehyde	165184-98-5 101-86-0	ErC50	>0.065 mg/l	green algae (Selen-astrum capricornutum)	72 h
Hexyl cinnamaldehyde	165184-98-5 101-86-0	NOEC	0.93 mg/l	fish	96 h
d-carvone	2244-16-8	LC50	50 mg/l	fish	96 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
D-Limonene	5989-27-5	LC50	720 µg/l	fish	96 h
D-Limonene	5989-27-5	EC50	688 µg/l	fish	96 h
D-Limonene	5989-27-5	ErC50	0.32 mg/l	green algae (Selen-astrum capricornutum)	72 h
D-Limonene	5989-27-5	NOEC	0.09 mg/l	green algae (Selen-astrum capricornutum)	48 h
Eugenol	97-53-0	LC50	13 mg/l	fish	24 h
Eugenol	97-53-0	EC50	1.05 mg/l	aquatic invertebrates	48 h
Eugenol	97-53-0	ErC50	24 mg/l	green algae (Selen-astrum capricornutum)	72 h
Eugenol	97-53-0	NOEC	10 mg/l	fish	24 h
Eugenol	97-53-0	LOEC	38 mg/l	green algae (Selen-astrum capricornutum)	72 h
Dorisyl	32210-23-4	LC50	8.6 mg/l	fish	96 h
Dorisyl	32210-23-4	EC50	5.3 mg/l	aquatic invertebrates	48 h

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Dorisyl	32210-23-4	ErC50	22 mg/l	green algae (Selenastrum capricornutum)	72 h
Dorisyl	32210-23-4	NOEC	6.8 mg/l	green algae (Selenastrum capricornutum)	72 h
Cineole	470-82-6	LC50	57 mg/l	fish	96 h
Cineole	470-82-6	EC50	>100 mg/l	aquatic invertebrates	48 h
Cineole	470-82-6	ErC50	>74 mg/l	green algae (Selenastrum capricornutum)	72 h
Cineole	470-82-6	NOEC	32 mg/l	fish	96 h
Linalool	78-70-6	LC50	27.8 mg/l	fish	96 h
Linalool	78-70-6	EC50	59 mg/l	aquatic invertebrates	48 h
Linalool	78-70-6	ErC50	156.7 mg/l	green algae (Selenastrum capricornutum)	96 h
Linalool	78-70-6	NOEC	<3.5 mg/l	fish	96 h
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	144020-22-4	LC50	0.63 mg/l	fish	96 h
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	144020-22-4	EC50	1.82 mg/l	aquatic invertebrates	48 h
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	144020-22-4	ErC50	>2.73 mg/l	green algae (Selenastrum capricornutum)	72 h
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	144020-22-4	NOEC	0.38 mg/l	fish	96 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Tetramethyl Acetyloctahydronaphthalenes		LC50	>0.3 mg/l	fish	30 d

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Tetramethyl Acetyloctahydronaphthalenes		EC50	>0.448 mg/l	aquatic invertebrates	21 d
Tetramethyl Acetyloctahydronaphthalenes		NOEC	0.54 mg/l	fish	30 d
Tetramethyl Acetyloctahydronaphthalenes		LOEC	0.29 mg/l	fish	30 d
Dihydromyrcenol	18479-58-8	EC50	17 mg/l	aquatic invertebrates	21 d
Dihydromyrcenol	18479-58-8	NOEC	9.5 mg/l	aquatic invertebrates	21 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
Hexamethylindanopyran	1222-05-5	LC50	>0.14 mg/l	fish	36 d
Hexamethylindanopyran	1222-05-5	EC50	0.282 mg/l	aquatic invertebrates	21 d
Hexamethylindanopyran	1222-05-5	NOEC	0.068 mg/l	fish	36 d
Hexamethylindanopyran	1222-05-5	LOEC	0.075 mg/l	aquatic invertebrates	5.5 d
Hexyl cinnamaldehyde	165184-98-5 101-86-0	EC50	>157 µg/l	aquatic invertebrates	21 d
Hexyl cinnamaldehyde	165184-98-5 101-86-0	NOEC	63 µg/l	aquatic invertebrates	21 d
Hexyl cinnamaldehyde	165184-98-5 101-86-0	LOEC	157 µg/l	aquatic invertebrates	21 d
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
D-Limonene	5989-27-5	EC50	<0.67 mg/l	fish	8 d
D-Limonene	5989-27-5	LC50	0.41 mg/l	fish	8 d
D-Limonene	5989-27-5	NOEC	0.37 mg/l	fish	8 d
D-Limonene	5989-27-5	LOEC	0.67 mg/l	fish	8 d
Eugenol	97-53-0	LC50	13 mg/l	fish	24 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Eugenol	97-53-0	NOEC	10 $^{mg}/_{l}$	fish	24 h
Dorisyl	32210-23-4	EC50	302 $^{mg}/_{l}$	microorganisms	3 h
Cineole	470-82-6	EC50	>100 $^{mg}/_{l}$	microorganisms	3 h
Linalool	78-70-6	LC50	27.8 $^{mg}/_{l}$	fish	24 h
Linalool	78-70-6	EC50	>100 $^{mg}/_{l}$	microorganisms	30 min
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	144020-22-4	NOEC	10 $^{mg}/_{l}$	microorganisms	3 h

12.2 Persistence and degradability

Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
Tetramethyl Acetyloctahydronaphthalenes		oxygen depletion	96.3 %	28 d		ECHA
Dihydromyrcenol	18479-58-8	carbon dioxide generation	72 %	28 d		ECHA
Dihydromyrcenol	18479-58-8	DOC removal	100 %	28 d		ECHA
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	oxygen depletion	6 %	4 d		ECHA
Hexamethylindanopyran	1222-05-5	carbon dioxide generation	1 %	28 d		ECHA
Hexyl cinnamaldehyde	165184-98-5 101-86-0	oxygen depletion	97 %	28 d		ECHA
Linalyl acetate	115-95-7	oxygen depletion	≥0 – ≤10 %	1 d		ECHA
D-Limonene	5989-27-5	carbon dioxide generation	58.8 %	14 d		ECHA
D-Limonene	5989-27-5	oxygen depletion	80 %	28 d		ECHA

Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
Eugenol	97-53-0	oxygen depletion	50 %	7 d		ECHA
Dorisyl	32210-23-4	carbon dioxide generation	75 %	29 d		ECHA
Cineole	470-82-6	carbon dioxide generation	82 %	28 d		ECHA
Linalool	78-70-6	oxygen depletion	40.9 %	5 d		ECHA
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	144020-22-4	carbon dioxide generation	0.1 %	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
Tetramethyl Acetyloctahydronaphthalenes		391	5.6 (30 °C)	
Dihydromyrcenol	18479-58-8	64.8	3.25 (pH value: 7, 40 °C)	
3,7-dimethylnona-1,6-dien-3-ol	10339-55-6		3.3 (20 °C)	
3,7-dimethylocta-1,6-diene	2436-90-0		5.796 (pH value: 5.5, 25 °C)	
Hexamethylindanopyran	1222-05-5	1,635	5.3 (pH value: 7, 25 °C)	
Hexyl cinnamaldehyde	165184-98-5 101-86-0		5.3 (24 °C)	
d-carvone	2244-16-8		3.07 (25 °C)	
Linalyl acetate	115-95-7	174	3.9 (25 °C)	
D-Limonene	5989-27-5		4.38 (pH value: 7.2, 37 °C)	
Eugenol	97-53-0		1.83 (pH value: 5.5, 30 °C)	
Dorisyl	32210-23-4	234	4.8 (25 °C)	
Cineole	470-82-6		3.4	

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Linalool	78-70-6		2.9 (pH value: 7, 20 °C)	
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	144020-22-4	94	≥5.3 – ≤5.8 (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

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	not subject to transport regulations
14.2 UN proper shipping name	not relevant
14.3 Transport hazard class(es)	none
14.4 Packing group	not assigned
14.5 Environmental hazards	non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

There is no additional information.

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

DOT

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

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

Not subject to ICAO-IATA.

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)	
Linalool		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 cinnamaldehyde	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Dihydromyrcenol	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
Linalool	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
3,7-dimethylocta-1,6-diene	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
3,7-dimethylocta-1,6-diene	flammable / pyrophoric		40
Eugenol	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
d-carvone	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Tetramethyl Acetyloctahydronaphthalenes	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3

Dangerous substances with restrictions (GB REACH, Annex 17)			
Name of substance	**Name acc. to inventory**	**CAS No**	**No**
3,7-dimethylnona-1,6-dien-3-ol	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
D-Limonene	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
D-Limonene	flammable / pyrophoric		40
Cineole	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Cineole	flammable / pyrophoric		40
Dorisyl	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3

National inventories

Country	Inventory	Status
AU	AIIC	not all ingredients are listed
CA	DSL	not all ingredients are listed
CA	NDSL	not all ingredients are listed
CN	IECSC	not all ingredients are listed
EU	ECSI	not 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	not all ingredients are listed
MX	INSQ	not all ingredients are listed
NZ	NZIoC	not all ingredients are listed
PH	PICCS	not all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	not all ingredients are listed
US	TSCA	not all ingredients are listed

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
NDSL	Non-domestic Substances List (NDSL)
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.

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: 3,7-dimethylnona-1,6-dien-3-ol, (S)-2-methyl-5-(1-methylvinyl)cyclohex-2-en-1-one, Linalyl acetate, 3,7-dimethylocta-1,6-diene, Hexyl cinnamaldehyde, Eugenol, Dorisyl, Limonene, Cineole, Linalool, Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene, dihydro pentamethylindanone, Nopyl acetate, Beta Pinene, D-Limonene	- Hazardous ingredients for labelling: Tetramethyl Acetyloctahydronaphthalenes, 3,7-dimethylnona-1,6-dien-3-ol, 3,7-dimethylocta-1,6-diene, d-carvone, Hexyl cinnamaldehyde, Linalyl acetate, Eugenol, Dorisyl, Cineole, Linalool, Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene, D-Limonene	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
6.2	Environmental precautions: Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.	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.	yes

California Scents Palms Ice

Version number: GHS 8.1
Replaces version of: 2022-07-15 (GHS 7)

Revision: 2023-07-12

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relev-ant
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
8.1		Relevant PNECs of components of the mixture: change in the listing (table)	yes
9.1	Vapour pressure: 2,066 Pa at 25 °C	Vapour pressure: 12 Pa at 20 °C	yes
12.1		Aquatic toxicity (acute) of components of the mix-ture: 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 con-tain 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
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
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

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Abbr.	Descriptions of used abbreviations
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
Asp. Tox.	Aspiration hazard
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)
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
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
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
IMDG	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
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
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
STOT SE	Specific target organ toxicity - single exposure
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).

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

Code	Text
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
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.

Disclaimer

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