



Safety Data Sheet

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

California Scents Palms Laguna Breeze

Version number: GHS 8.0
Replaces version of: 2022-07-15 (GHS 7)

Revision: 2022-11-08

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

1.1 Product identifier

Trade name **California Scents Palms Laguna Breeze**
Alternative number(s) 091400040697, 091400039424

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.

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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

Aldehyde C-16, Cinnamal, Anisyl acetate, Orange Oil Valencia, D-Limonene

2.3 Other hazards

of no significance



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
Benzyl acetate	CAS No 140-11-4 EC No 205-399-7	10 – < 25	Aquatic Chronic 3 / H412	
Aldehyde C-16	CAS No 77-83-8 EC No 201-061-8	1 – < 5	Skin Sens. 1B / H317 Aquatic Chronic 2 / H411	 















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Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Isoraldeine 70	CAS No 1335-46-2 EC No 215-635-0	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Aquatic Chronic 2 / H411	 
Allyl Caproate	CAS No 123-68-2 EC No 204-642-4	< 1	Acute Tox. 3 / H301 Acute Tox. 3 / H311 Acute Tox. 3 / H331 Aquatic Acute 1 / H400 Aquatic Chronic 3 / H412	 
Orange Oil Valencia	CAS No 8008-57-9 8028-48-6 68606-94-0 EC No 232-433-8	< 1	Flam. Liq. 3 / H226 Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Asp. Tox. 1 / H304 Aquatic Chronic 2 / H411	   
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	   
Cinnamal	CAS No 104-55-2 EC No 203-213-9	< 1	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 Aquatic Chronic 3 / H412	
Anisyl acetate	CAS No 104-21-2 EC No 203-185-8	< 1	Skin Sens. 1B / H317	

Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
Allyl Caproate	-	-	100 mg/kg 820 mg/kg 3 mg/l/4h	oral dermal inhalation: vapour

For full text of abbreviations: see SECTION 16.



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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.



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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.

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.

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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/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	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
Benzyl acetate	140-11-4	DNEL	12.5 mg/kg	human, dermal	worker (industry)	acute - systemic effects
Benzyl acetate	140-11-4	DNEL	43.8 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects
Benzyl acetate	140-11-4	DNEL	9 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Benzyl acetate	140-11-4	DNEL	2.5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Aldehyde C-16	77-83-8	DNEL	17.63 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Aldehyde C-16	77-83-8	DNEL	35.26 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects
Aldehyde C-16	77-83-8	DNEL	44.08 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects



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Relevant DNELs of components of the mixture

Name of sub-stance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Aldehyde C-16	77-83-8	DNEL	88.16 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
Aldehyde C-16	77-83-8	DNEL	5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Aldehyde C-16	77-83-8	DNEL	10 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects
Isoraldeine 70	1335-46-2	DNEL	26.1 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Isoraldeine 70	1335-46-2	DNEL	14.8 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Allyl Caproate	123-68-2	DNEL	15 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Allyl Caproate	123-68-2	DNEL	4.3 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	DNEL	31.1 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	DNEL	8.89 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	DNEL	185.8 µg/cm ²	human, dermal	worker (industry)	acute - local effects
D-Limonene	5989-27-5	DNEL	66.7 mg/m ³	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
Cinnamal	104-55-2	DNEL	2.513 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Cinnamal	104-55-2	DNEL	2.204 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Anisyl acetate	104-21-2	DNEL	2.468 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Anisyl acetate	104-21-2	DNEL	0.7 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects



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Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Benzyl acetate	140-11-4	PNEC	0.04 mg/l	aquatic organisms	water	intermittent release
Benzyl acetate	140-11-4	PNEC	0.018 mg/l	aquatic organisms	freshwater	short-term (single instance)
Benzyl acetate	140-11-4	PNEC	0.002 mg/l	aquatic organisms	marine water	short-term (single instance)
Benzyl acetate	140-11-4	PNEC	8.55 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Benzyl acetate	140-11-4	PNEC	0.526 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Benzyl acetate	140-11-4	PNEC	0.053 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Benzyl acetate	140-11-4	PNEC	0.094 mg/kg	terrestrial organisms	soil	short-term (single instance)
Aldehyde C-16	77-83-8	PNEC	23.3 mg/kg	aquatic organisms	water	short-term (single instance)
Aldehyde C-16	77-83-8	PNEC	0.084 mg/l	aquatic organisms	water	intermittent release
Aldehyde C-16	77-83-8	PNEC	0.008 mg/l	aquatic organisms	freshwater	short-term (single instance)
Aldehyde C-16	77-83-8	PNEC	8.4 µg/l	aquatic organisms	marine water	short-term (single instance)
Aldehyde C-16	77-83-8	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Aldehyde C-16	77-83-8	PNEC	0.214 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Aldehyde C-16	77-83-8	PNEC	0.021 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Aldehyde C-16	77-83-8	PNEC	0.038 mg/kg	terrestrial organisms	soil	short-term (single instance)
Isoraldeine 70	1335-46-2	PNEC	0.002 mg/l	aquatic organisms	freshwater	short-term (single instance)
Isoraldeine 70	1335-46-2	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
Isoraldeine 70	1335-46-2	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)

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Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Isoraldeine 70	1335-46-2	PNEC	0.168 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Isoraldeine 70	1335-46-2	PNEC	0.017 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Isoraldeine 70	1335-46-2	PNEC	0.033 mg/kg	terrestrial organisms	soil	short-term (single instance)
Allyl Caproate	123-68-2	PNEC	47.56 mg/kg	aquatic organisms	water	short-term (single instance)
Allyl Caproate	123-68-2	PNEC	1.17 µg/l	aquatic organisms	water	intermittent release
Allyl Caproate	123-68-2	PNEC	0.117 µg/l	aquatic organisms	freshwater	short-term (single instance)
Allyl Caproate	123-68-2	PNEC	0.012 µg/l	aquatic organisms	marine water	short-term (single instance)
Allyl Caproate	123-68-2	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Allyl Caproate	123-68-2	PNEC	4.46 µg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Allyl Caproate	123-68-2	PNEC	0.446 µg/kg	aquatic organisms	marine sediment	short-term (single instance)
Allyl Caproate	123-68-2	PNEC	0.825 µg/kg	terrestrial organisms	soil	short-term (single instance)
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	PNEC	5.4 µg/l	aquatic organisms	freshwater	short-term (single instance)
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	PNEC	0.54 µg/l	aquatic organisms	marine water	short-term (single instance)
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	PNEC	2.1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	PNEC	1.3 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	PNEC	0.13 mg/kg	aquatic organisms	marine sediment	short-term (single instance)

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Relevant PNECs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	PNEC	0.261 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)
Cinnamal	104-55-2	PNEC	1.004 mg/l	aquatic organisms	freshwater	short-term (single instance)
Cinnamal	104-55-2	PNEC	0.1004 mg/l	aquatic organisms	marine water	short-term (single instance)
Cinnamal	104-55-2	PNEC	13.12 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Cinnamal	104-55-2	PNEC	159.2 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Cinnamal	104-55-2	PNEC	159.2 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Cinnamal	104-55-2	PNEC	0.0003333 mg/kg	aquatic organisms	water	short-term (single instance)
Cinnamal	104-55-2	PNEC	56.08 mg/kg	terrestrial organisms	soil	short-term (single instance)
Cinnamal	104-55-2	PNEC	1.004 mg/l	aquatic organisms	water	intermittent release

8.2 Exposure controls

Appropriate engineering controls
General ventilation.



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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	blue - black
Odour	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	213.5 °C at 101,325 Pa
Flammability	this material is combustible, but will not ignite readily



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Lower and upper explosion limit	not determined
Flash point	102 °C at 101,325 Pa
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
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Vapour pressure	6.506 Pa at 25 °C
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Density and/or relative density

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

Particle characteristics	no data available
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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



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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 Caproate	123-68-2	oral	100 mg/kg
Allyl Caproate	123-68-2	dermal	820 mg/kg
Allyl Caproate	123-68-2	inhalation: vapour	3 mg/l/4h



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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 (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Benzyl acetate	140-11-4	EC50	855 mg/l	microorganisms	3 h
Aldehyde C-16	77-83-8	EC50	95 mg/l	aquatic invertebrates	24 h
Isoraldeine 70	1335-46-2	EC50	>1,000 mg/l	microorganisms	1 h
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

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Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Cinnamal	104-55-2	LC50	100.4 mg/l	fish	96 h
Cinnamal	104-55-2	EC50	0.402 mg/l	aquatic invertebrates	21 d
Anisyl acetate	104-21-2	EC50	52 mg/l	aquatic invertebrates	24 h

12.2 Persistence and degradability

Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
Benzyl acetate	140-11-4	carbon dioxide generation	100.9 %	28 d		ECHA
Aldehyde C-16	77-83-8	oxygen depletion	11 %	5 d		ECHA
Isoraldeine 70	1335-46-2	oxygen depletion	76 %	28 d		ECHA
Allyl Caproate	123-68-2	oxygen depletion	19 %	2 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
Cinnamal	104-55-2	carbon dioxide generation	89 %	7 d		ECHA
Anisyl acetate	104-21-2	oxygen depletion	78 %	21 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
Benzyl acetate	140-11-4	8	1.96 (pH value: 7, 25 °C)	
Aldehyde C-16	77-83-8		2.4 (25 °C)	



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Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Isoraldeine 70	1335-46-2		>4.5 – <5 (pH value: 6.2, 23 °C)	
Allyl Caproate	123-68-2	59.2	3.191 (pH value: ~5, 20 °C)	
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	32 – 156	2.78 – 4.88	
D-Limonene	5989-27-5		4.38 (pH value: 7.2, 37 °C)	
Cinnamal	104-55-2	8	2.107 (25 °C)	
Anisyl acetate	104-21-2		1.9 (35 °C)	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

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/packagegings

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.



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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)**
none of the ingredients are listed
- 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



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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
Benzyl acetate	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Allyl Caproate	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Aldehyde C-16	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Orange Oil Valencia	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Orange Oil Valencia	flammable / pyrophoric		40
Cinnamal	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
Isoraldeine 70	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Anisyl acetate	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3



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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	not 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

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
3.2		Description of the mixture: 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
Asp. Tox.	Aspiration 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)
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
Eye Dam.	Seriously damaging to the eye



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Abbr.	Descriptions of used abbreviations
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
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
log KOW	n-Octanol/water
NLP	No-Longer Polymer
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
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).



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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
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
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.