



Safety Data Sheet

acc. to Hazardous Products Regulations (HPR)

Vent Clip Palms Air Freshener - Laguna Breeze

Version number: 4.1
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

1 Identification

1.1 Product identifier

Trade name **Vent Clip Palms Air Freshener - Laguna Breeze**

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

Relevant identified uses Consumer uses

1.3 Details of the supplier of the safety data sheet

Energizer Manufacturing, Inc.
25225 Detroit Rd.
Westlake OH 44145
United States

Telephone: 800-383-7323; 314-985-2000 (USA / CANADA)
e-mail: Autocare.regulatory@energizer.com
Website: <http://data.energizer.com>

1.4 Emergency telephone number

Emergency information service FOR EMERGENCY in USA & Canada CALL +1 800 255-3924 / For International CALL +1 813 248 0585
This number is only available during the following office hours: Mon-Fri 09:00 AM - 05:00 PM

2 Hazard identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
3.45	skin sensitization	1	Skin Sens. 1	H317

For full text of abbreviations: see SECTION 16.

2.2 Label elements

Labeling

- Signal word warning

- Pictograms

GHS07



- Hazard statements

H317 May cause an allergic skin reaction.

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- Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P261	Avoid breathing mist/vapours.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
P302+P352	IF ON SKIN: Wash with plenty of water.
P321	Specific treatment (see on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- Hazardous ingredients for labelling

Dorisylyl, D-Limonene, Cinnamal, Aldehyde C-16, Anisyl acetate

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0.1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.





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
Dorisylyl	CAS No 32210-23-4	30 - < 60	Skin Sens. 1B / H317	
Aldehyde C-16	CAS No 77-83-8	1 - < 5	Skin Sens. 1B / H317	
Ethyl hexanoate	CAS No 123-66-0	1 - < 5	Flam. Liq. 3 / H226 Skin Irrit. 2 / H315	
Vanillin	CAS No 121-33-5	1 - < 5	Eye Irrit. 2 / H319	

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Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
D-Limonene	CAS No 5989-27-5	0.1 - < 1	Flam. Liq. 3 / H226 Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Asp. Tox. 1 / H304	
Cinnamal	CAS No 104-55-2	0.1 - < 1	Acute Tox. 4 / H312 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317	
Anisyl acetate	CAS No 104-21-2	0.1 - < 1	Skin Sens. 1B / H317	

For full text of abbreviations: see SECTION 16.

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



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5 Fire-fighting 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. Coordinate 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.

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 vapors/dust/aerosols/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.



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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.

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
CA	benzyl acetate	140-11-4	OEL (AB)	10	61						OHS Code
CA	benzyl acetate	140-11-4	OEL (BC)	10							"BC Regulation"
CA	benzyl acetate	140-11-4	OEL (ON-MoL)	10							MoL
CA	benzyl acetate	140-11-4	PEV/VEA	10							Regulation OHS



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Notation

Ceiling-C

STEL

TWA

ceiling value is a limit value above which exposure should not occur
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)
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
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
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
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

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Dorisyl	32210-23-4	PNEC	5.3 µg/l	aquatic organisms	freshwater	short-term (single instance)



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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
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)
Ethyl hexanoate	123-66-0	PNEC	6.74 µg/l	aquatic organisms	freshwater	short-term (single instance)
Ethyl hexanoate	123-66-0	PNEC	0.674 µg/l	aquatic organisms	marine water	short-term (single instance)
Ethyl hexanoate	123-66-0	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)



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Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Ethyl hexanoate	123-66-0	PNEC	136 µg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Ethyl hexanoate	123-66-0	PNEC	13.6 µg/kg	aquatic organisms	marine sediment	short-term (single instance)
Ethyl hexanoate	123-66-0	PNEC	23.2 µg/kg	terrestrial organisms	soil	short-term (single instance)
Vanillin	121-33-5	PNEC	0.118 mg/l	aquatic organisms	freshwater	short-term (single instance)
Vanillin	121-33-5	PNEC	0.012 mg/l	aquatic organisms	marine water	short-term (single instance)
Vanillin	121-33-5	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Vanillin	121-33-5	PNEC	58.22 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Vanillin	121-33-5	PNEC	5.822 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Vanillin	121-33-5	PNEC	11.54 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)



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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
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.

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.

- 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.



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9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid
Color	acc. to product description
Odor	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	167.3 °C
Flammability	non-combustible
Lower and upper explosion limit	not determined
Flash point	94 °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
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Vapor pressure	3 hPa at 20 °C
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Density and/or relative density



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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
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Other safety characteristics

Temperature class (USA, acc. to NEC 500)	T2 (maximum permissible surface temperature on the equipment: 300°C)
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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

Oxidizers

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.



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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
Cinnamal	104-55-2	dermal	1,260 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 sensitization

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.



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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
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
Dorisyl	32210-23-4	ErC50	22 mg/l	algae	72 h
Dorisyl	32210-23-4	NOEC	6.8 mg/l	algae	72 h
Aldehyde C-16	77-83-8	LC50	4.2 mg/l	fish	96 h
Aldehyde C-16	77-83-8	EC50	52 mg/l	aquatic invertebrates	48 h
Aldehyde C-16	77-83-8	ErC50	36 mg/l	algae	72 h
Aldehyde C-16	77-83-8	NOEC	3.2 mg/l	fish	96 h
Aldehyde C-16	77-83-8	LOEC	20 mg/l	algae	72 h
Ethyl hexanoate	123-66-0	LC50	6.74 mg/l	fish	96 h
Ethyl hexanoate	123-66-0	EC50	56 mg/l	aquatic invertebrates	24 h
Ethyl hexanoate	123-66-0	ErC50	11.8 mg/l	algae	72 h
Ethyl hexanoate	123-66-0	NOEC	5.23 mg/l	algae	72 h
Vanillin	121-33-5	LC50	57 mg/l	fish	96 h
Vanillin	121-33-5	EC50	36.79 mg/l	aquatic invertebrates	48 h
Vanillin	121-33-5	ErC50	120 mg/l	algae	72 h
Vanillin	121-33-5	NOEC	26.8 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	algae	72 h
D-Limonene	5989-27-5	NOEC	0.09 mg/l	algae	48 h
Cinnamal	104-55-2	LC50	2.35 mg/l	fish	96 h



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Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Cinnamal	104-55-2	EC50	119.6 mg/l	aquatic invertebrates	48 h
Cinnamal	104-55-2	NOEC	37.23 mg/l	algae	72 h
Anisyl acetate	104-21-2	LC50	13.1 mg/l	fish	96 h
Anisyl acetate	104-21-2	EC50	31 mg/l	aquatic invertebrates	48 h
Anisyl acetate	104-21-2	ErC50	59.9 mg/l	algae	72 h
Anisyl acetate	104-21-2	NOEC	6.99 mg/l	algae	72 h
Anisyl acetate	104-21-2	LOEC	23.1 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Dorisyl	32210-23-4	EC50	302 mg/l	microorganisms	3 h
Vanillin	121-33-5	EC50	24 mg/l	aquatic invertebrates	21 d
Vanillin	121-33-5	LOEC	18 mg/l	aquatic invertebrates	21 d
Vanillin	121-33-5	NOEC	10 mg/l	aquatic invertebrates	21 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
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
Cinnamal	104-55-2	NOEC	15.16 mg/l	fish	28 d
Anisyl acetate	104-21-2	EC50	52 mg/l	aquatic invertebrates	24 h

12.2 Persistence and degradability

Data are not available.



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12.3 Bioaccumulative potential

Data are not available.

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 $\geq 0.1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.

12.7 Other adverse effects

Data are not available.

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/packages

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.

14 Transport information

14.1 Small packaging exemptions

DOT Hazardous Materials Description

Not regulated in non-bulk packaging. (See 49CFR173.150)

IMDG Dangerous Goods Description

Not regulated

Note: This product is classified as a marine pollutant. However, it is excepted in packages with inner containers less than 5 L per IMDG 2.10.2.7.



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15 Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Toxic Substance Control Act (TSCA)

all ingredients are listed (ACTIVE) or exempt from listing

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

none of the ingredients are listed

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

none of the ingredients are listed

Clean Air Act

none of the ingredients are listed

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Dorisyl	32210-23-4	fragrance	
Benzyl acetate	140-11-4	fragrance	
Xanthan gum	11138-66-2	thickener	
Aldehyde C-16	77-83-8	fragrance	
Methyl Ionone	127-51-5	fragrance	EU Fragrance Allergens
Guar gum	9000-30-0	thickener	
Benzyl butyrate	103-37-7	fragrance	
Ethyl hexanoate	123-66-0	fragrance	
PROPYLENE GLYCOL ALGINATE	9005-37-2	thickener	
D-Limonene	5989-27-5	fragrance	EU Fragrance Allergens
Cinnamal	104-55-2	fragrance	EU Fragrance Allergens
Anisyl acetate	104-21-2	fragrance	



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Name of substance	CAS No	Functionality	Authoritative Lists
Aldehyde C-14	104-67-6	fragrance	
Aldehyde C-18	104-61-0	fragrance	

- Toxic or Hazardous Substance List (MA-TURA)

none of the ingredients are listed

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
D-Limonene	138-86-3		F2
Ethyl hexanoate	123-66-0		F2

Legend

F2 Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
HEXANOIC ACID, ETHYL ESTER	123-66-0	

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Ethyl hexanoate	123-66-0	F

Legend

F Flammability (NFPA®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

none of the ingredients are listed

Drug precursors, Chemicals designated within the Controlled Substances Act, 21 U.S.C. § 802, paragraphs 34 (list I) and 35 (list II)

none of the ingredients are listed

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.



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Category	Rating	Description
Chronic	/	none
Health	2	temporary or minor injury may occur
Flammability	0	material that will not burn under typical fire conditions
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	0	material that will not burn under typical fire conditions
Health	0	material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

National regulations (Canada)

Domestic Substances List (DSL)

All ingredients are listed.

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	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



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Country	Inventory	Status
NZ	NZIoC	all ingredients are listed
PH	PICCS	all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	not all ingredients are listed
US	TSCA	all ingredients are listed (ACTIVE)
VN	NCI	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
NCI	National Chemical 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.

16 Other information

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
2.2		- Precautionary statements: change in the listing (table)	yes
2.2	- Hazardous ingredients for labelling: Dorisyl, D-Limonene, Cinnamal, Aldehyde C-16, Methyl Ionone	- Hazardous ingredients for labelling: Dorisyl, D-Limonene, Cinnamal, Aldehyde C-16, Anisyl acetate	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance in a con- centration of $\geq 0.1\%$.	yes
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.	yes



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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
3.2		Description of the mixture: change in the listing (table)	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
8.1		Relevant PNECs of components of the mixture: change in the listing (table)	yes
8.2	Hand protection: Wear protective gloves.	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.	yes
9.1	Appearance		yes
9.1	Other safety parameters		yes
9.1	Initial boiling point and boiling range: 213.5 °C	Boiling point or initial boiling point and boiling range: 167.3 °C	yes
9.1		Lower and upper explosion limit: not determined	yes
9.1	Evaporation rate: not determined		yes
9.1	Explosion limits of dust clouds: not determined		yes
9.1	Auto-ignition temperature	Auto-ignition temperature: not determined	yes
9.1		Decomposition temperature: not relevant	yes
9.1		Kinematic viscosity: not relevant	yes
9.1	Vapor pressure: 7.9 Pa at 25 °C	Vapor pressure: 3 hPa at 20 °C	yes
9.1		Density and/or relative density	yes



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9.1	Vapor density: this information is not available		yes
9.1	Viscosity: not relevant (solid matter)		yes
9.1	Explosive properties: not explosive (GHS of the United Nations, annex 4)		yes
9.1	Oxidizing properties: none		yes
9.1		Particle characteristics: no data available	yes
9.2		Information with regard to physical hazard classes: hazard classes acc. to GHS (physical hazards): not relevant	yes
9.2		Other safety characteristics	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
12.5	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 $\geq 0.1\%$.	yes
12.6	Endocrine disrupting potential: None of the ingredients are listed.	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
15.1	Toxic Substance Control Act (TSCA): all ingredients are listed	Toxic Substance Control Act (TSCA): all ingredients are listed (ACTIVE) or exempt from listing	yes
15.1		Cleaning Product Right to Know Act Substance List (CA-RTK): change in the listing (table)	yes



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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
15.1	Hazardous Substances List (MN-ERTK)		yes
15.1		Hazardous Substances List (MN-ERTK): change in the listing (table)	yes
15.1		Hazardous Substance List (NJ-RTK): change in the listing (table)	yes
15.1		Hazardous Substance List (Chapter 323) (PA-RTK): change in the listing (table)	yes
15.1		Hazardous Substance List (RI-RTK): change in the listing (table)	yes
15.1		Drug precursors, Chemicals designated within the Controlled Substances Act, 21 U.S.C. § 802, para- graphs 34 (list I) and 35 (list II): none of the ingredients are listed	yes
15.1		National inventories: change in the listing (table)	yes

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
"BC Regulation"	OHS Regulation: Section 5.48 (British Columbia)
Acute Tox.	Acute toxicity
Asp. Tox.	Aspiration hazard
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
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



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Abbr.	Descriptions of used abbreviations
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid
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)
IMDG	International Maritime Dangerous Goods Code
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
MoL	Ministry of Labor: Current Occupational Exposure Limits for Ontario Workplaces Required under Regulation 833
NFPA®	National Fire Protection Association (United States)
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OHS Code	Occupational Health and Safety Code: Occupational exposure limits for chemical substances (Alberta)
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
Regulation OHS	Regulation respecting occupational health and safety: Permissible exposure values for airborne contaminants (Quebec)
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitization
STEL	Short-term exposure limit
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Hazardous Products Regulations (HPR)
SOR/2022-272: Regulations Amending the Hazardous Products Regulations (GHS, Seventh Revised Edition)



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UN Recommendations on the Transport of Dangerous Good. 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
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Disclaimer

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