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1 Identification

1.1 Product identifier

Trade name Alternative number(s)

California Scents Vent Stick Coronado Cherry

091400041748, 091400041434, 091400041205, 091400043902

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 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: https://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 state- ment
3.4S	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



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- Hazard statements	
H317	Ma

May cause an allergic skin reaction.

Precautionary state	ments
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 dust/fume/gas/mist/vapours/spray.
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 national regulations.

Aldehyde C-16, Piperonal

- Hazardous ingredients for labelling

2.3 Other hazards

Results of PBT and vPvB assessment Does not contain a PBT-/vPvB-substance at a concentration of \ge 0.1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) 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
Benzaldehyde	CAS No 100-52-7	1-<5	Flam. Liq. 4 / H227 Acute Tox. 4 / H302 Acute Tox. 4 / H332	
Aldehyde C-16	CAS No 77-83-8	1-<5	Skin Sens. 1B / H317	(١)
Vanillin	CAS No 121-33-5	1-<5	Eye Irrit. 2 / H319	
Methyl anthranilate	CAS No 134-20-3	1-<5	Eye Irrit. 2 / H319	()



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Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Methyl Benzaldehyde	CAS No 104-87-0	1-<5	Flam. Liq. 4 / H227 Acute Tox. 4 / H302	
Piperonal	CAS No 120-57-0	0.1 - < 1	Skin Sens. 1B / H317	(!)

Remarks

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

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 Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)



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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.

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.

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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8 Exposure controls/ Personal protection

8.1 Control parameters

Occup	Occupational exposure limit values (Workplace Exposure Limits)										
Coun try	Name of agent	CAS No	Iden- tifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceil- ing-C [ppm]	Ceil- ing-C [mg/m ³]	Nota tion	Sourc e
CA	benzaldehyde	100-52-7	OEL (ON)			4	17				Regu- lation 833
CA	benzaldehyde	100-52-7	OEL (ON- MoL)			4	17				MoL
CA	benzyl acetate	140-11-4	OEL (AB)	10	61						OHS Code
CA	benzyl acetate	140-11-4	OEL (BC)	10							"BC Regu- lation"
CA	benzyl acetate	140-11-4	OEL (ON- MoL)	10							MoL
CA	benzyl acetate	140-11-4	PEV/V EA	10							Regu- lation OHS
CA	polyvinyl chlor- ide (PVC)	9002-86- 2	OEL (BC)		1					r	"BC Regu- lation"
CA	polyvinyl chlor- ide (PVC)	9002-86- 2	OEL (ON- MoL)		1					r	MoL

<u>Notation</u>

Ceiling-Cceiling value is a limit value above which exposure should not occurrrespirable fractionSTELshort-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period
(unless otherwise specified)TWAtime-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							
Name of sub- stance	CAS No	End- point	Threshold level	Protection goal, route of expos- ure	Used in	Exposure time	
Benzaldehyde	100-52-7	DNEL	9.8 mg/m ³	human, inhalat-	worker (industry)	chronic - systemic	



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Relevant DNELs of components						
Name of sub- stance	CAS No	End- point	Threshold level	Protection goal, route of expos- ure	Used in	Exposure time
				ory		effects
Benzaldehyde	100-52-7	DNEL	9.8 mg/m ³	human, inhalat- ory	worker (industry)	chronic - local ef- fects
Benzaldehyde	100-52-7	DNEL	1.14 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Aldehyde C-16	77-83-8	DNEL	17.63 mg/m ³	human, inhalat- ory	worker (industry)	chronic - systemic effects
Aldehyde C-16	77-83-8	DNEL	35.26 mg/m ³	human, inhalat- ory	worker (industry)	acute - systemic ef- fects
Aldehyde C-16	77-83-8	DNEL	44.08 mg/m ³	human, inhalat- ory	worker (industry)	chronic - local ef- fects
Aldehyde C-16	77-83-8	DNEL	88.16 mg/m ³	human, inhalat- ory	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 ef- fects
Methyl anthranilate	134-20-3	DNEL	49.3 mg/m ³	human, inhalat- ory	worker (industry)	chronic - systemic effects
Methyl anthranilate	134-20-3	DNEL	14 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Piperonal	120-57-0	DNEL	5.29 mg/m ³	human, inhalat- ory	worker (industry)	chronic - systemic effects
Piperonal	120-57-0	DNEL	0.75 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components							
Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure time	
Benzaldehyde	100-52-7	PNEC	0.011 ^{mg} / _l	aquatic organ- isms	water	intermittent re- lease	
Benzaldehyde	100-52-7	PNEC	0 ^{mg} /l	aquatic organ- isms	freshwater	short-term (single instance)	
Benzaldehyde	100-52-7	PNEC	0 ^{mg} /l	aquatic organ- isms	marine water	short-term (single instance)	
Benzaldehyde	100-52-7	PNEC	7.59 ^{mg} / _l	aquatic organ- isms	sewage treatment plant (STP)	short-term (single instance)	
Benzaldehyde	100-52-7	PNEC	0.004 ^{mg} / _{kg}	aquatic organ-	freshwater sedi-	short-term (single	



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Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure tim
				isms	ment	instance)
Benzaldehyde	100-52-7	PNEC	0 ^{mg} / _{kg}	aquatic organ- isms	marine sediment	short-term (sing instance)
Benzaldehyde	100-52-7	PNEC	0.001 ^{mg} / _{kg}	terrestrial organ- isms	soil	short-term (sing instance)
Aldehyde C-16	77-83-8	PNEC	23.3 ^{mg} / _{kg}	aquatic organ- isms	water	short-term (sing instance)
Aldehyde C-16	77-83-8	PNEC	0.084 ^{mg} / _l	aquatic organ- isms	water	intermittent re lease
Aldehyde C-16	77-83-8	PNEC	0.008 ^{mg} / _l	aquatic organ- isms	freshwater	short-term (sing instance)
Aldehyde C-16	77-83-8	PNEC	8.4 ^{µg} / _l	aquatic organ- isms	marine water	short-term (sing instance)
Aldehyde C-16	77-83-8	PNEC	10 ^{mg} / _l	aquatic organ- isms	sewage treatment plant (STP)	short-term (sing instance)
Aldehyde C-16	77-83-8	PNEC	0.214 ^{mg} / _{kg}	aquatic organ- isms	freshwater sedi- ment	short-term (sing instance)
Aldehyde C-16	77-83-8	PNEC	0.021 ^{mg} / _{kg}	aquatic organ- isms	marine sediment	short-term (sing instance)
Aldehyde C-16	77-83-8	PNEC	0.038 ^{mg} / _{kg}	terrestrial organ- isms	soil	short-term (sing instance)
Vanillin	121-33-5	PNEC	0.118 ^{mg} / _l	aquatic organ- isms	freshwater	short-term (sing instance)
Vanillin	121-33-5	PNEC	0.012 ^{mg} / _l	aquatic organ- isms	marine water	short-term (sing instance)
Vanillin	121-33-5	PNEC	10 ^{mg} / _l	aquatic organ- isms	sewage treatment plant (STP)	short-term (sing instance)
Vanillin	121-33-5	PNEC	58.22 ^{mg} / _{kg}	aquatic organ- isms	freshwater sedi- ment	short-term (sing instance)
Vanillin	121-33-5	PNEC	5.822 ^{mg} / _{kg}	aquatic organ- isms	marine sediment	short-term (sing instance)
Vanillin	121-33-5	PNEC	11.54 ^{mg} / _{kg}	terrestrial organ- isms	soil	short-term (sing instance)
1ethyl anthranilate	134-20-3	PNEC	87.2 ^{µg} / _l	aquatic organ- isms	freshwater	short-term (sing instance)
1ethyl anthranilate	134-20-3	PNEC	8.72 ^{µg} / _l	aquatic organ- isms	marine water	short-term (sing instance)
lethyl anthranilate	134-20-3	PNEC	0.968 ^{mg} / _{kg}	aquatic organ- isms	freshwater sedi- ment	short-term (sing instance)



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Relevant PNECs of components								
Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure time		
Methyl anthranilate	134-20-3	PNEC	96.8 ^{µg} / _{kg}	aquatic organ- isms	marine sediment	short-term (single instance)		
Methyl anthranilate	134-20-3	PNEC	0.142 ^{mg} / _{kg}	terrestrial organ- isms	soil	short-term (single instance)		
Piperonal	120-57-0	PNEC	25 ^{µg} / _l	aquatic organ- isms	water	intermittent re- lease		
Piperonal	120-57-0	PNEC	2.5 ^{µg} / _l	aquatic organ- isms	freshwater	short-term (single instance)		
Piperonal	120-57-0	PNEC	0.25 ^{µg} / _l	aquatic organ- isms	marine water	short-term (single instance)		
Piperonal	120-57-0	PNEC	10 ^{mg} / _l	aquatic organ- isms	sewage treatment plant (STP)	short-term (single instance)		
Piperonal	120-57-0	PNEC	11.95 ^{µg} / _{kg}	aquatic organ- isms	freshwater sedi- ment	short-term (single instance)		
Piperonal	120-57-0	PNEC	1.2 ^{µg} / _{kg}	aquatic organ- isms	marine sediment	short-term (single instance)		
Piperonal	120-57-0	PNEC	0.84 ^{µg} / _{kg}	terrestrial organ- isms	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)



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- 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.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid
Color	magenta - black
Odor	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	179 °C
Flammability	this material is combustible, but will not ignite readily
Lower and upper explosion limit	not relevant (solid)
Flash point	this information is not available
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	169 Pa at 25 °C



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Density and/or relative density

Density	not determined
Relative vapour density	not relevant (solid)

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

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.

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.

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.



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Acute toxicity estimate (ATE) of components			
Name of substance	CAS No	Exposure route	ATE
Benzaldehyde	100-52-7	oral	1,430 ^{mg} / _{kg}
Benzaldehyde	100-52-7	dermal	>2,000 ^{mg} / _{kg}
Benzaldehyde	100-52-7	inhalation: vapour	11 ^{mg} /ı/4h
Benzaldehyde	100-52-7	inhalation: dust/mist	1.5 ^{mg} / _l /4h
Aldehyde C-16	77-83-8	dermal	>2,000 ^{mg} / _{kg}
Vanillin	121-33-5	oral	3,978 ^{mg} / _{kg}
Vanillin	121-33-5	dermal	>2,000 ^{mg} / _{kg}
Methyl Benzaldehyde	104-87-0	oral	1,000 ^{mg} / _{kg}
Methyl anthranilate	134-20-3	oral	2,800 ^{mg} / _{kg}
Piperonal	120-57-0	oral	2,700 ^{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.

12 Ecological information

12.1 Toxicity

Harmful to aquatic life with long lasting effects.



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Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Benzaldehyde	100-52-7	LC50	12.4 ^{mg} / _l	fish	96 h
Benzaldehyde	100-52-7	EC50	19.7 ^{mg} / _l	aquatic invertebrates	48 h
Benzaldehyde	100-52-7	ErC50	33.1 ^{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
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
Methyl anthranilate	134-20-3	EC50	11.67 ^{mg} / _l	algae	96 h
Methyl anthranilate	134-20-3	LC50	32.35 ^{mg} / _l	fish	96 h
Methyl anthranilate	134-20-3	NOELR	6 ^{mg} / _l	fish	24 h
Piperonal	120-57-0	LC50	1.6 ^{mg} / _l	fish	24 h
Piperonal	120-57-0	EC50	82 ^{mg} /l	aquatic invertebrates	24 h
Piperonal	120-57-0	ErC50	31 ^{mg} / _l	algae	72 h
Piperonal	120-57-0	NOEC	1.6 ^{mg} / _l	fish	96 h

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No Endpoint Value Species Exposu time				
Benzaldehyde	100-52-7	EC50	50 ^{mg} / _l	aquatic invertebrates	24 h
Benzaldehyde	100-52-7	LOEC	0.9 ^{mg} / _l	fish	7 d
Benzaldehyde	100-52-7	NOEC	0.22 ^{mg} / _l	fish	7 d
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
Piperonal	120-57-0	LC50	1.6 ^{mg} / _l	fish	24 h
Piperonal	120-57-0	EC50	82 ^{mg} /l	aquatic invertebrates	24 h



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12.2 Persistence and degradability

Data are not available.

- **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 Does not contain a PBT-/vPvB-substance at a concentration of \ge 0.1%.
- **12.6** Endocrine disrupting properties Does not contain an endocrine disruptor (ED) in a concentration of $\ge 0.1\%$.
- 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 UN number
- 14.2 UN proper shipping name
- 14.3 Transport hazard class(es)
- 14.4 Packing group
- 14.5 Environmental hazards
- 14.6 Special precautions for user

There is no additional information.

14.7 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

not subject to transport regulations

not relevant

none

not assigned

non-environmentally hazardous acc. to the dangerous goods regulations



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Transport information - National regulations - Additional information (UN RTDG) Not subject to transport regulations: UN RTDG

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.

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 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
Benzaldehyde	100-52-7		EU Fragrance Allergens
Aldehyde C-16	77-83-8	fragrance	
Vanillin	121-33-5		EU Fragrance Allergens
Benzyl acetate	140-11-4	fragrance	
Methyl anthranilate	134-20-3	fragrance	
Methyl Benzaldehyde	104-87-0	fragrance	
alpha-isomethyl ionone	127-51-5	fragrance	EU Fragrance Allergens
Piperonal	120-57-0	fragrance	
1-(2,6,6-trimethyl-1-cyclohexen-1-yl)pent-1- en-3-one	127-43-5	fragrance	



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- Toxic or Hazardous Substance List (MA-TURA) none of the ingredients are listed

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Benzaldehyde	100-52-7	Ι	

<u>Legend</u>

I American Industrial Hygiene Association (AIHA), "Workplace Environmental Exposure Level Guides" (1992), available from AIHA

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Benzaldehyde	100-52-7		F2

<u>Legend</u>

F2 Flammable - Second Degree

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

Name acc. to inventory	CAS No	Classification
BENZALDEHYDE	100-52-7	

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Benzaldehyde	100-52-7	F
Benzaldehyde	100-52-7	F
Benzaldehyde	100-52-7	F

<u>Legend</u>

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. \S 802, paragraphs 34 (list I) and 35 (list II)

Name of substance	CAS No	Listed in	Special con- ditions	Excluded transac- tions	DEA - code	Concentra- tion limit
Piperonal	120-57-0	List I chemicals			8750	20% by Weight or



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Name of substance	CAS No	Listed in	Special con- ditions	Excluded transac- tions	DEA - code	Concentra- tion limit
						Volume
Benzaldehyde	100-52-7	List I chemicals			8256	50% by Weight or Volume

<u>Legend</u>

List I The term "list I chemical" means a chemical specified by regulation of the Attorney General as a chemical that is used in manufacchemic-turing a controlled substance in violation of this subchapter and is important to the manufacture of the controlled substances.

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	/	none
Health	2	temporary or minor injury may occur
Flammability	2	material that must be moderately heated or exposed to relatively high ambient tem- peratures before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with wa- ter, 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	2	material that must be moderately heated or exposed to relatively high ambient tem- peratures before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or re- sidual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

National regulations (Canada)

Domestic Substances List (DSL) All ingredients are listed.



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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	not all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
JP	CSCL-ENCS	all ingredients are listed
JP	ISHA-ENCS	not all ingredients are listed
KR	KECI	all ingredients are listed
MX	INSQ	not all ingredients are listed
NZ	NZIoC	all ingredients are listed
PH	PICCS	all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	all ingredients are listed
US	TSCA	all ingredients are listed (ACTIVE)

<u>Legend</u>

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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16 Other information

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety- relev- ant
2.2		- Precautionary statements: change in the listing (table)	yes
3.2		Description of the mixture: change in the listing (table)	yes
7.1	- 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.	- Measures to prevent fire as well as aerosol and dust generation: Use local and general ventilation. Use only in well-ventilated areas.	yes
7.1	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.		yes
10.4	Hints to prevent fire or explosion: The product in the delivered form is not dust ex- plosion capable; the enrichment of fine dust however leads to the danger of dust explosion.		yes
11.1	Acute toxicity: Shall not be classified as acutely toxic.GHS of the United Nations, annex 4: May be harmful if in- haled.	Acute toxicity: Shall not be classified as acutely toxic.	yes
11.1		Acute toxicity estimate (ATE) of components: change in the listing (table)	yes
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 con- tain a PBT-/vPvB-substance at a concentration of $\ge 0.1\%$.	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance at a con- centration of ≥ 0.1%.	yes
15.1	Toxic Substance Control Act (TSCA): all ingredients are listed (ACTIVE) or exempt from listing	Toxic Substance Control Act (TSCA): all ingredients are listed or exempt from listing	yes
15.1		Cleaning Product Right to Know Act Substance List (CA-RTK): change in the listing (table)	yes
15.1		National inventories: change in the listing (table)	yes

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).

Disclaimer

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