

Version number: 11.0 Replaces version of: 2024-02-08 (10) Revision: 2025-04-16

SECTION 1: Identification

1.1 Product identifier

Trade name Alternative number(s)

California Scents Car Scents Shasta Strawberry

76389000853094, 091400041519, 091400041564, 7638900851212, 7638900435214, 7638900435092, 7638900853094, 091400000486, 091400001162, 7638900850451, 091400039776, 7638900850345, 091400016517, 91400040994

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

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard state- ment
A.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
A.4S	skin sensitization	1	Skin Sens. 1	H317
B.6	flammable liquid	4	Flam. Liq. 4	H227

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects The product is combustible and can be ignited by potential ignition sources.



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2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word warning
- Pictograms

GHS07



- Hazard statements H227 H317 H319	Combustible liquid. May cause an allergic skin reaction. Causes serious eye irritation.
- Precautionary staten	nents
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P302+P352	If on skin: Wash with plenty of water.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with national regulations.

- Hazardous ingredients for labelling

Hexyl cinnamaldehyde, Aldehyde C-16, Benzyl salicylate, Furaneol

2.3 Other hazards

Hazards not otherwise classified

May be harmful in contact with skin (GHS category 5: acutely toxic - dermal). Very toxic to aquatic life with long lasting effects (GHS category 1: aquatic toxicity - acute and/or chronic). Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

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 $\geq 0.1\%$.



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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
Aldehyde C-16	CAS No 77-83-8	25 - < 50	Skin Sens. 1B / H317	(!)
Benzyl salicylate	CAS No 118-58-1	10-<25	Eye Irrit. 2 / H319 Skin Sens. 1B / H317	
benzyl benzoate	CAS No 120-51-4	5 - < 10	Acute Tox. 4 / H302	(!)
Ethyl acetoacetate	CAS No 141-97-9	5 - < 10	Flam. Liq. 4 / H227	
Hexyl cinnamaldehyde	CAS No 101-86-0 165184-98-5	1-<5	Acute Tox. 4 / H332 Skin Sens. 1 / H317	(!)
Diethyl malonate	CAS No 105-53-3	1-<5	Eye Irrit. 2 / H319 Flam. Liq. 4 / H227	(1)
Furaneol	CAS No 3658-77-3	<1	Acute Tox. 4 / H302 Skin Corr. 1B / H314 Eye Dam. 1 / H318 Skin Sens. 1A / H317	

Remarks

For full text of abbreviations: see SECTION 16

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

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

Following skin contact

Wash with plenty of soap and water.



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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: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Water spray, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

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.

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 vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill Covering of drains



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Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

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. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

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

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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
US	cellulose	9004-34- 6	REL		10 (10 h)						NIOSH REL
US	cellulose	9004-34- 6	TLV®		10						AC- GIH® 2024
US	cellulose	9004-34- 6	PEL		15					dust	29 CFR 1910.1 000
US	cellulose	9004-34- 6	REL		5 (10 h)					r	NIOSH REL
US	cellulose	9004-34- 6	PEL		5					r	29 CFR 1910.1 000

<u>Notation</u>

Ceiling-C	ceiling value is a limit value above which exposure should not occur
dust	as dust
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

	-					
Name of sub- stance	CAS No	End- point	Threshold level	Protection goal, route of expos- ure	Used in	Exposure time
Aldehyde C-16	77-83-8	DNEL	17.63 mg/m³	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	human, dermal	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	
			bw/day			effects	
Aldehyde C-16	77-83-8	DNEL	10 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic ef- fects	
Benzyl salicylate	118-58-1	DNEL	7.8 mg/m ³	human, inhalat- ory	worker (industry)	chronic - systemic effects	
Benzyl salicylate	118-58-1	DNEL	2.21 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects	
benzyl benzoate	120-51-4	DNEL	14.1 mg/m ³	human, inhalat- ory	worker (industry)	chronic - systemic effects	
benzyl benzoate	120-51-4	DNEL	70.5 mg/m ³	human, inhalat- ory	worker (industry)	acute - systemic ef- fects	
benzyl benzoate	120-51-4	DNEL	4 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects	
Ethyl acetoacetate	141-97-9	DNEL	29.17 mg/m ³	human, inhalat- ory	worker (industry)	chronic - systemic effects	
Ethyl acetoacetate	141-97-9	DNEL	8.333 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects	
Hexyl cinnamalde- hyde	101-86-0 165184-98-5	DNEL	0.078 mg/m³	human, inhalat- ory	worker (industry)	chronic - systemic effects	
Hexyl cinnamalde- hyde	101-86-0 165184-98-5	DNEL	6.28 mg/m ³	human, inhalat- ory	worker (industry)	acute - local effects	
Hexyl cinnamalde- hyde	101-86-0 165184-98-5	DNEL	18.2 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects	
Hexyl cinnamalde- hyde	101-86-0 165184-98-5	DNEL	525 µg/cm²	human, dermal	worker (industry)	chronic - local ef- fects	
Hexyl cinnamalde- hyde	101-86-0 165184-98-5	DNEL	525 µg/cm²	human, dermal	worker (industry)	acute - local effects	
Diethyl malonate	105-53-3	DNEL	8.468 mg/m ³	human, inhalat- ory	worker (industry)	chronic - systemic effects	
Diethyl malonate	105-53-3	DNEL	1.213 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		
Aldehyde C-16	77-83-8	PNEC	23.3 ^{mg} / _{kg}	aquatic organ-	water	short-term (single		



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Relevant PNECs of components								
Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure time		
				isms		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 (single instance)		
Aldehyde C-16	77-83-8	PNEC	8.4 ^{µg} / _l	aquatic organ- isms	marine water	short-term (single instance)		
Aldehyde C-16	77-83-8	PNEC	10 ^{mg} / _l	aquatic organ- isms	sewage treatment plant (STP)	short-term (single instance)		
Aldehyde C-16	77-83-8	PNEC	0.214 ^{mg} / _{kg}	aquatic organ- isms	freshwater sedi- ment	short-term (single instance)		
Aldehyde C-16	77-83-8	PNEC	0.021 ^{mg} / _{kg}	aquatic organ- isms	marine sediment	short-term (single instance)		
Aldehyde C-16	77-83-8	PNEC	0.038 ^{mg} / _{kg}	terrestrial organ- isms	soil	short-term (single instance)		
Benzyl salicylate	118-58-1	PNEC	0.0103 ^{mg} / _l	aquatic organ- isms	water	intermittent re- lease		
Benzyl salicylate	118-58-1	PNEC	80 ^{mg} / _{kg}	aquatic organ- isms	water	short-term (single instance)		
Benzyl salicylate	118-58-1	PNEC	0.001 ^{mg} / _l	aquatic organ- isms	freshwater	short-term (single instance)		
Benzyl salicylate	118-58-1	PNEC	0 ^{mg} /l	aquatic organ- isms	marine water	short-term (single instance)		
Benzyl salicylate	118-58-1	PNEC	10 ^{mg} / _l	aquatic organ- isms	sewage treatment plant (STP)	short-term (single instance)		
Benzyl salicylate	118-58-1	PNEC	0.583 ^{mg} / _{kg}	aquatic organ- isms	freshwater sedi- ment	short-term (single instance)		
Benzyl salicylate	118-58-1	PNEC	0.058 ^{mg} / _{kg}	aquatic organ- isms	marine sediment	short-term (single instance)		
Benzyl salicylate	118-58-1	PNEC	1.41 ^{mg} / _{kg}	terrestrial organ- isms	soil	short-term (single instance)		
benzyl benzoate	120-51-4	PNEC	0.003 ^{mg} / _l	aquatic organ- isms	freshwater	short-term (single instance)		
benzyl benzoate	120-51-4	PNEC	0.322 ^{µg} / _l	aquatic organ- isms	marine water	short-term (single instance)		
benzyl benzoate	120-51-4	PNEC	100 ^{mg} / _l	aquatic organ- isms	sewage treatment plant (STP)	short-term (single instance)		
benzyl benzoate	120-51-4	PNEC	2.043 ^{mg} / _{kg}	aquatic organ- isms	freshwater sedi- ment	short-term (single instance)		



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Relevant PNECs o	of component	s				
Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure time
benzyl benzoate	120-51-4	PNEC	0.204 ^{mg} / _{kg}	aquatic organ- isms	marine sediment	short-term (single instance)
benzyl benzoate	120-51-4	PNEC	0.406 ^{mg} / _{kg}	terrestrial organ- isms	soil	short-term (single instance)
Ethyl acetoacetate	141-97-9	PNEC	1 ^{mg} / _l	aquatic organ- isms	water	intermittent re- lease
Ethyl acetoacetate	141-97-9	PNEC	0.1 ^{mg} / _l	aquatic organ- isms	freshwater	short-term (single instance)
Ethyl acetoacetate	141-97-9	PNEC	0.01 ^{mg} / _l	aquatic organ- isms	marine water	short-term (single instance)
Ethyl acetoacetate	141-97-9	PNEC	300 ^{mg} / _l	aquatic organ- isms	sewage treatment plant (STP)	short-term (single instance)
Ethyl acetoacetate	141-97-9	PNEC	0.146 ^{mg} / _{kg}	aquatic organ- isms	freshwater sedi- ment	short-term (single instance)
Ethyl acetoacetate	141-97-9	PNEC	0.015 ^{mg} / _{kg}	aquatic organ- isms	marine sediment	short-term (single instance)
Ethyl acetoacetate	141-97-9	PNEC	0.05 ^{mg} / _{kg}	terrestrial organ- isms	soil	short-term (single instance)
Hexyl cinnamalde- hyde	101-86-0 165184-98-5	PNEC	0.001 ^{mg} / _l	aquatic organ- isms	freshwater	short-term (single instance)
Hexyl cinnamalde- hyde	101-86-0 165184-98-5	PNEC	0 ^{mg} / _l	aquatic organ- isms	marine water	short-term (single instance)
Hexyl cinnamalde- hyde	101-86-0 165184-98-5	PNEC	10 ^{mg} / _l	aquatic organ- isms	sewage treatment plant (STP)	short-term (single instance)
Hexyl cinnamalde- hyde	101-86-0 165184-98-5	PNEC	3.2 ^{mg} / _{kg}	aquatic organ- isms	freshwater sedi- ment	short-term (single instance)
Hexyl cinnamalde- hyde	101-86-0 165184-98-5	PNEC	0.064 ^{mg} / _{kg}	aquatic organ- isms	marine sediment	short-term (single instance)
Hexyl cinnamalde- hyde	101-86-0 165184-98-5	PNEC	0.398 ^{mg} / _{kg}	terrestrial organ- isms	soil	short-term (single instance)
Diethyl malonate	105-53-3	PNEC	11.8 ^{µg} / _l	aquatic organ- isms	freshwater	short-term (single instance)
Diethyl malonate	105-53-3	PNEC	1.18 ^{µg} / _l	aquatic organ- isms	marine water	short-term (single instance)
Diethyl malonate	105-53-3	PNEC	0.108 ^{mg} / _l	aquatic organ- isms	sewage treatment plant (STP)	short-term (single instance)
Diethyl malonate	105-53-3	PNEC	4.62 ^{mg} / _{kg}	aquatic organ- isms	freshwater sedi- ment	short-term (single instance)
Diethyl malonate	105-53-3	PNEC	0.924 ^{mg} / _{kg}	aquatic organ- isms	marine sediment	short-term (single instance)



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Relevant PNECs of components							
Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure time	
Diethyl malonate	105-53-3	PNEC	8.557 ^{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)
- 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

Appearance

Physical state	liquid (liquid-impregnated solid)
Color	brown



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Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	180.6 °C at 1,013 hPa
Flash point	86 °C
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	0.36 hPa at 25 °C
Density	not determined
Vapor density	this information is not available
Relative density	Information on this property is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	$>350~^{\circ}C$ (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

9.2 Other information

Temperature class (USA, acc. to NEC 500)	T2 (maximum permissible surface temperature on the equipment: 300° C)
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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 **Possibility of hazardous reactions**

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

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.

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 OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

Acute toxicity estimate (ATE) of components					
Name of substance	CAS No	Exposure route	ATE		
Aldehyde C-16	77-83-8	dermal	>2,000 ^{mg} / _{kg}		
Benzyl salicylate	118-58-1	oral	3,339 ^{mg} / _{kg}		
Benzyl salicylate	118-58-1	dermal	>2,000 ^{mg} / _{kg}		
benzyl benzoate	120-51-4	oral	>2,000 ^{mg} / _{kg}		



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Acute toxicity estimate (ATE) of components					
Name of substance	CAS No	Exposure route	ATE		
Ethyl acetoacetate	141-97-9	dermal	>2,000 ^{mg} / _{kg}		
Ethyl acetoacetate	141-97-9	inhalation: vapor	>49.2 ^{mg} / _l /4h		
Hexyl cinnamaldehyde	101-86-0 165184-98-5	oral	3,100 ^{mg} / _{kg}		
Hexyl cinnamaldehyde	101-86-0 165184-98-5	dermal	>3,000 ^{mg} / _{kg}		
Hexyl cinnamaldehyde	101-86-0 165184-98-5	inhalation: vapor	11 ^{mg} / _l /4h		
Hexyl cinnamaldehyde	101-86-0 165184-98-5	inhalation: dust/mist	>2.12 ^{mg} / _l /4h		
Furaneol	3658-77-3	oral	2,320 ^{mg} / _{kg}		

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

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.

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects.



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Name of substance	CAS NO	Endpoint	Value	Species	Exposure time
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
Benzyl salicylate	118-58-1	LC50	1.03 ^{mg} / _l	fish	96 h
Benzyl salicylate	118-58-1	EC50	1.21 ^{mg} / _l	aquatic invertebrates	24 h
Benzyl salicylate	118-58-1	ErC50	1.29 ^{mg} / _l	algae	72 h
Benzyl salicylate	118-58-1	NOEC	0.894 ^{mg} / _l	aquatic invertebrates	48 h
benzyl benzoate	120-51-4	LC50	2.32 ^{mg} / _l	fish	96 h
benzyl benzoate	120-51-4	EC50	4.26 ^{mg} / _l	aquatic invertebrates	24 h
benzyl benzoate	120-51-4	ErC50	0.475 ^{mg} / _l	algae	72 h
benzyl benzoate	120-51-4	NOEC	1.73 ^{mg} / _l	aquatic invertebrates	48 h
Ethyl acetoacetate	141-97-9	LC50	>100 ^{mg} / _l	fish	96 h
Ethyl acetoacetate	141-97-9	ErC50	>100 ^{mg} / _l	algae	72 h
Ethyl acetoacetate	141-97-9	EC50	>100 ^{mg} / _l	algae	72 h
Ethyl acetoacetate	141-97-9	NOEC	100 ^{mg} / _l	fish	96 h
Hexyl cinnamaldehyde	101-86-0 165184-98-5	LC50	1.7 ^{mg} / _l	fish	96 h
Hexyl cinnamaldehyde	101-86-0 165184-98-5	EC50	<0.59 ^{mg} / _l	aquatic invertebrates	48 h
Hexyl cinnamaldehyde	101-86-0 165184-98-5	ErC50	>0.065 ^{mg} /l	algae	72 h
Hexyl cinnamaldehyde	101-86-0 165184-98-5	NOEC	0.93 ^{mg} / _l	fish	96 h
Diethyl malonate	105-53-3	LC50	15.4 ^{mg} / _l	fish	96 h
Diethyl malonate	105-53-3	EC50	15.2 ^{mg} / _l	fish	96 h
Diethyl malonate	105-53-3	ErC50	>800 ^{mg} / _l	algae	72 h
Furaneol	3658-77-3	EC50	6.8 ^{mg} / _l	aquatic invertebrates	48 h
Furaneol	3658-77-3	ErC50	194 ^{mg} / _l	algae	72 h
Furaneol	3658-77-3	NOEC	<0.17 ^{mg} / _l	algae	72 h



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Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Benzyl salicylate	118-58-1	EC50	1.21 ^{mg} / _l	aquatic invertebrates	24 h
Benzyl salicylate	118-58-1	LC50	4.34 ^{mg} / _l	aquatic invertebrates	24 h
benzyl benzoate	120-51-4	LC50	11 ^{mg} / _l	aquatic invertebrates	24 h
benzyl benzoate	120-51-4	EC50	>10,000 ^{mg} / _l	microorganisms	3 h
benzyl benzoate	120-51-4	NOEC	0.023 ^{mg} / _l	fish	35 d
benzyl benzoate	120-51-4	LOEC	0.049 ^{mg} / _l	fish	35 d
Hexyl cinnamaldehyde	101-86-0 165184-98-5	EC50	>157 ^{µg} / _l	aquatic invertebrates	21 d
Hexyl cinnamaldehyde	101-86-0 165184-98-5	NOEC	63 ^{µg} / _l	aquatic invertebrates	21 d
Hexyl cinnamaldehyde	101-86-0 165184-98-5	LOEC	ו ^{עם µg}	aquatic invertebrates	21 d
Diethyl malonate	105-53-3	EC50	285.8 ^{mg} / _l	aquatic invertebrates	24 h

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.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.



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Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

SECTION 14: Transport information

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.

14.1	UN number	
	DOT	UN 3082
	IMDG-Code	UN 3082
	ICAO-TI	UN 3082
14.2	UN proper shipping name	
	DOT	Environmentally hazardous substance, liquid, n.o.s.
	IMDG-Code	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LI- QUID, N.O.S.
	ICAO-TI	Environmentally hazardous substance, liquid, n.o.s.
	Technical name (hazardous ingredients)	Aldehyde C-16, benzyl benzoate
14.3	Transport hazard class(es)	
	DOT	9
	IMDG-Code	9
	ICAO-TI	9
14.4	Packing group	
	DOT	III
	IMDG-Code	III
	ICAO-TI	III
14.5	Environmental hazards	hazardous to the aquatic environment
	Environmentally hazardous substance (aquatic environment)	Aldehyde C-16, benzyl benzoate
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.



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Information for each of the UN Model Regulations

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

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration

UN3082, Environmentally hazardous substance, liquid, n.o.s., (contains: Aldehyde C-16, benzyl benzoate), 9, III

Danger label(s)

9, fish and tree

\vee \vee	
Environmental hazards	YES (hazardous to the aquatic environment)
Special provisions (SP)	8, 146, 173, 335, 441, IB3, T4, TP1, TP29
ERG No	171
International Maritime Dangerous Goods Code (IM	MDG) - Additional information
Particulars in the shipper's declaration	UN3082, ENVIRONMENTALLY HAZARDOUS SUB- STANCE, LIQUID, N.O.S., (contains: Aldehyde C-16, benzyl benzoate), 9, III
Marine pollutant	Yes (hazardous to the aquatic environment) (Aldehyde C-16)
Danger label(s)	9, fish and tree
Special provisions (SP)	274, 335, 375, 969
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-A, S-F
Stowage category	A
International Civil Aviation Organization (ICAO-IA	TA/DGR) - Additional information
Particulars in the shipper's declaration	UN3082, Environmentally hazardous substance, li- quid, n.o.s., (contains: Aldehyde C-16, benzyl ben- zoate), 9, III
Environmental hazards	Yes (hazardous to the aquatic environment)
Danger label(s)	9, fish and tree



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

SECTION 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
Aldehyde C-16	77-83-8	fragrance	
Cellulose	9004-34-6	substrate	
Benzyl salicylate	118-58-1	fragrance	EU Fragrance Allergens
benzyl benzoate	120-51-4	fragrance	EU Fragrance Allergens
Ethyl acetoacetate	141-97-9	fragrance	
Aldehyde C-14	104-67-6	fragrance	
Hexyl cinnamaldehyde	101-86-0	fragrance	EU Fragrance Allergens
Diethyl malonate	105-53-3	fragrance	
alpha-isomethyl ionone	127-51-5	fragrance	EU Fragrance Allergens
Raspberry Ketone	5471-51-2	fragrance	



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Name of substance	CAS No	Functionality	Authoritative Lists
decanal	112-31-2	fragrance	
ethyl butyrate	105-54-4	fragrance	
Ethyl vanillin	121-32-4	fragrance	
Ethyl Maltol	4940-11-8	fragrance	
Dipropylene glycol (Mixed Isomers)	25265-71-8	solvents	

- 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
Diethyl malonate	105-53-3		F2

<u>Legend</u>

F2 Flammable - Second Degree

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

Name acc. to inventory	CAS No	Classification
BUTANOIC ACID, 3-OXO-, ETHYL ESTER	141-97-9	

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)

none of the ingredients are listed

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



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Category	Rating	Description
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 inventories

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

<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)



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<u>Legend</u>

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.

SECTION 16: Other information, including date of preparation or last revision

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
2.3	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance in a con- centration of $\ge 0.1\%$.	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance at a con- centration of \geq 0.1%.	yes
3.2		Description of the mixture: change in the listing (table)	yes
3.2		Remarks: For full text of abbreviations: see SECTION 16	yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
9.1	Physical state: liquid	Physical state: liquid (liquid-impregnated solid)	yes
9.1	Color: pink	Color: brown	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 in a concentration of $\geq 0.1\%$.	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance at a con- centration of ≥ 0.1%.	yes
14.7	Special provisions (SP): 274, 335, 969	Special provisions (SP): 274, 335, 375, 969	yes
15.1	Toxic Substance Control Act (TSCA):	Toxic Substance Control Act (TSCA):	yes



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Section	Former entry (text/value)	Actual entry (text/value)	Safety- relev- ant
	all ingredients are listed (ACTIVE) or exempt from listing	all ingredients are listed or exempt from listing	
15.1		National inventories: change in the listing (table)	yes

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). 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.