

Good Sense Spring (Barrettes; Plaque; Solo)

Revision: 2024-08-04

Version: 01.0

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

1.1 Product identifier

Trade name: Good Sense Spring (Barrettes; Plaque; Solo)

UFI: YSAJ-D1U2-F002-9U41

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

Product use:	Odor Control - Continuous Action. For professional use only.
Uses advised against:	Uses other than those identified are not recommended.

SWED - Sector-specific worker exposure description :

AISE_SWED_PW_4_2
AISE_SWED_PW_11_2

1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, De Corridor 4, 3621ZB Breukelen [Maarssebroeksedijk 2, 3542DN Utrecht], The Netherlands

Contact details

Diversey Ltd
Weston Favell Centre, Northampton NN3 8PD, United Kingdom
Tel: 01604 405311, Fax: 01604 406809
Regulatory Email: customerservice.uk@solenis.com

1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)
For medical or environmental emergency only:
call 0800 052 0185

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin irritation, Category 2 (H315)
Serious eye damage, Category 1 (H318)
Skin sensitisation, Category 1 (H317)
Chronic aquatic toxicity, Category 2 (H411)

2.2 Label elements



Signal word: Danger.

Contains isoeugenol (Isoeugenol), benzyl salicylate (Benzyl Salicylate), (E)-2-Benzylideneoctanal (Hexyl Cinnamal), geraniol (Geraniol), neryl acetate (Neryl Acetate), 7-hydroxycitronellal (Hydroxycitronellal), eugenol (Eugenol), citronellol (Citronellol), citral (Citral), 3-p-cumenyl-2-methylpropionaldehyde (Cyclamen Aldehyde), (-)-pin-2(3)-ene (l-alpha-Pinene), geranyl acetate (Geranyl Acetate), 2-methylundecanal (Methylundecanal)

Hazard statements:

H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements:

P280 - Wear protective gloves and eye or face protection.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P310 - Immediately call a POISON CENTRE, doctor or physician.

2.3 Other hazards

No other hazards known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
benzyl salicylate	204-262-9	118-58-1	01-211996944 2-31	Eye irritation, Category 2 (H319) Skin sensitisation, Sub-category 1B (H317) Chronic aquatic toxicity, Category 3 (H412)		10-20
2-phenylethanol	200-456-2	60-12-8	01-211996392 1-31	Acute toxicity - Oral, Category 4 (H302) Eye irritation, Category 2 (H319)		3-10
linalyl acetate	204-116-4	115-95-7	01-211945478 9-19	Skin irritation, Category 2 (H315) Eye irritation, Category 2 (H319)		3-10
(E)-2-Benzylideneoctanal	639-566-4	165184-98-5	01-211953309 2-50	Skin sensitisation, Sub-category 1B (H317) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 2 (H411)		3-10
aluminium hydroxide	244-492-7	21645-51-2	01-211952924 6-39	Not classified as hazardous		3-10
geraniol	203-377-1	106-24-1	01-211955243 0-49	Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Skin sensitisation, Category 1 (H317)		3-10
neryl acetate	205-459-2	141-12-8	01-212074833 4-54	Skin sensitisation, Sub-category 1B (H317)		1-3
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	238-969-9	14901-07-6	01-211944992 1-34	Chronic aquatic toxicity, Category 2 (H411)		1-3
7-hydroxycitronellal	203-518-7	107-75-5	01-211997348 2-31	Eye irritation, Category 2 (H319) Skin sensitisation, Sub-category 1B (H317)		1-3
2-methylundecanal	203-765-0	110-41-8	01-211996944 3-29	Skin irritation, Category 2 (H315) Skin sensitisation, Sub-category 1B (H317) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 1 M=1 (H410) Chronic aquatic toxicity, Category 3 (H412)		1-3
eugenol	202-589-1	97-53-0	01-211997180 2-33	Eye irritation, Category 2 (H319) Skin sensitisation, Sub-category 1B (H317)		1-3
citronellol	203-375-0	106-22-9	01-211945399 5-23	Skin irritation, Category 2 (H315) Eye irritation, Category 2 (H319) Skin sensitisation, Sub-category 1B (H317)		1-3
isoeugenol	202-590-7	97-54-1	01-212022368 2-61	Skin sensitisation, Sub-category 1A (H317)		0.1-1
citral	226-394-6	5392-40-5	01-211946282 9-23	Skin irritation, Category 2 (H315) Eye irritation, Category 2 (H319) Skin sensitisation, Category 1 (H317)		0.1-1
3-p-cumenyl-2-methylpropionaldehyde	203-161-7	103-95-7	01-211997058 2-32	Reproductive toxicity, Category 2 (H361) Skin irritation, Category 2 (H315) Skin sensitisation, Sub-category 1B (H317) Chronic aquatic toxicity, Category 3 (H412)		0.1-1
(-)-pin-2(3)-ene	232-077-3	7785-26-4	01-211997951 9-16	Flammable liquids, Category 3 (H226) Aspiration toxicity, Category 1 (H304) Skin irritation, Category 2 (H315) Skin sensitisation, Sub-category 1B (H317) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 1 M=1 (H410)		0.1-1
geranyl acetate	203-341-5	105-87-3	01-211997348 0-35	Skin irritation, Category 2 (H315) Skin sensitisation, Sub-category 1B (H317) Chronic aquatic toxicity, Category 3 (H412)		0.1-1

Specific concentration limits

isoeugenol:

- Skin sensitisation, Category 1 (H317) >= 0.01%

Workplace exposure limit(s), if available, are listed in subsection 8.1.

ATE, if available, are listed in section 11.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16..

SECTION 4: First aid measures

4.1 Description of first aid measures

General Information:

Symptoms of intoxication may even occur after several hours. It is recommended to continue medical observation for at least 48 hours after the incident.

Inhalation:

Get medical attention or advice if you feel unwell.

Skin contact:

Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice

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Eye contact:	or attention. Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE, doctor or physician.
Ingestion:	Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.
Self-protection of first aider:	Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	No known effects or symptoms in normal use.
Skin contact:	Causes irritation. May cause an allergic skin reaction.
Eye contact:	Causes severe or permanent damage.
Ingestion:	No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

No special hazards known.

5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear eye/face protection. Repeated or prolonged contact: Wear suitable gloves.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

6.3 Methods and material for containment and cleaning up

Collect mechanically. Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Measures to prevent fire and explosions:**

No special precautions required.

Measures to prevent aerosol and dust generation:

Avoid formation of aerosol.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Avoid contact with skin and eyes. Do not breathe spray. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

Comah - Lower Tier requirements (tonnes): 200

Comah - Upper Tier requirements (tonnes): 500

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits

Air limit values, if available:

Ingredient(s)	UK - Long term value(s)	UK - Short term value(s)
aluminium hydroxide	10 mg/m ³ inhalable dust 4 mg/m ³ respirable dust	30 mg/m ³ inhalable dust 12 mg/m ³ respirable dust

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

DNEL/DMEL and PNEC values

Human exposure

DNEL/DMEL oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
benzyl salicylate	No data available	No data available	No data available	No data available
2-phenylethanol	No data available	No data available	No data available	No data available
linalyl acetate	-	-	-	0.2
(E)-2-Benzylideneoctanal	-	-	-	-
aluminium hydroxide	No data available	No data available	No data available	No data available
geraniol	No data available	No data available	No data available	No data available
neryl acetate	No data available	No data available	No data available	No data available
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available	No data available	No data available	No data available
7-hydroxycitronellal	No data available	No data available	No data available	No data available
2-methylundecanal	-	-	-	5.23
eugenol	-	-	-	3
citronellol	No data available	No data available	No data available	No data available
isoeugenol	No data available	No data available	No data available	No data available
citral	No data available	No data available	No data available	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available	No data available	No data available	No data available
(-)-pin-2(3)-ene	No data available	No data available	No data available	No data available
geranyl acetate	No data available	No data available	No data available	No data available

DNEL/DMEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
benzyl salicylate	No data available	No data available	No data available	No data available
2-phenylethanol	No data available	No data available	No data available	No data available
linalyl acetate	No data available	-	No data available	-
(E)-2-Benzylideneoctanal	0.525 mg/cm ² skin	-	0.525 mg/cm ² skin	18.2
aluminium hydroxide	No data available	No data available	No data available	No data available
geraniol	No data available	No data available	No data available	No data available
neryl acetate	No data available	No data available	No data available	No data available
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available	No data available	No data available	No data available
7-hydroxycitronellal	No data available	No data available	No data available	No data available
2-methylundecanal	No data available	-	No data available	-
eugenol	No data available	-	No data available	-
citronellol	No data available	No data available	No data available	No data available
isoeugenol	No data available	No data available	No data available	No data available
citral	No data available	No data available	No data available	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available	No data available	No data available	No data available
(-)-pin-2(3)-ene	No data available	No data available	No data available	No data available
geranyl acetate	No data available	No data available	No data available	No data available

DNEL/DMEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
benzyl salicylate	No data available	No data available	No data available	No data available
2-phenylethanol	No data available	No data available	No data available	No data available
linalyl acetate	No data available	-	No data available	-
(E)-2-Benzylideneoctanal	0.787 mg/cm ² skin	-	0.787 mg/cm ² skin	9.11
aluminium hydroxide	No data available	No data available	No data available	No data available
geraniol	No data available	No data available	No data available	No data available

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neryl acetate	No data available	No data available	No data available	No data available
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available	No data available	No data available	No data available
7-hydroxycitronellal	No data available	No data available	No data available	No data available
2-methylundecanal	No data available	-	No data available	-
eugenol	No data available	-	No data available	-
citronellol	No data available	No data available	No data available	No data available
isoeugenol	No data available	No data available	No data available	No data available
citral	No data available	No data available	No data available	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available	No data available	No data available	No data available
(-)-pin-2(3)-ene	No data available	No data available	No data available	No data available
geranyl acetate	No data available	No data available	No data available	No data available

DNEL/DNEL inhalatory exposure - Worker (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
benzyl salicylate	No data available	No data available	No data available	No data available
2-phenylethanol	No data available	No data available	No data available	No data available
linalyl acetate	-	-	-	-
(E)-2-Benzylideneoctanal	6.28	-	-	0.078
aluminium hydroxide	No data available	No data available	No data available	No data available
geraniol	No data available	No data available	No data available	No data available
neryl acetate	No data available	No data available	No data available	No data available
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available	No data available	No data available	No data available
7-hydroxycitronellal	No data available	No data available	No data available	No data available
2-methylundecanal	-	-	-	-
eugenol	-	-	-	-
citronellol	No data available	No data available	No data available	No data available
isoeugenol	No data available	No data available	No data available	No data available
citral	No data available	No data available	No data available	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available	No data available	No data available	No data available
(-)-pin-2(3)-ene	No data available	No data available	No data available	No data available
geranyl acetate	No data available	No data available	No data available	No data available

DNEL/DNEL inhalatory exposure - Consumer (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
benzyl salicylate	No data available	No data available	No data available	No data available
2-phenylethanol	No data available	No data available	No data available	No data available
linalyl acetate	-	-	-	-
(E)-2-Benzylideneoctanal	4.71	-	-	0.019
aluminium hydroxide	No data available	No data available	No data available	No data available
geraniol	No data available	No data available	No data available	No data available
neryl acetate	No data available	No data available	No data available	No data available
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available	No data available	No data available	No data available
7-hydroxycitronellal	No data available	No data available	No data available	No data available
2-methylundecanal	-	-	-	-
eugenol	-	-	-	-
citronellol	No data available	No data available	No data available	No data available
isoeugenol	No data available	No data available	No data available	No data available
citral	No data available	No data available	No data available	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available	No data available	No data available	No data available
(-)-pin-2(3)-ene	No data available	No data available	No data available	No data available
geranyl acetate	No data available	No data available	No data available	No data available

Environmental exposure

Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
benzyl salicylate	No data available	No data available	No data available	No data available
2-phenylethanol	No data available	No data available	No data available	No data available
linalyl acetate	-	-	-	-
(E)-2-Benzylideneoctanal	0.001	0	0.002	10
aluminium hydroxide	No data available	No data available	No data available	No data available
geraniol	No data available	No data available	No data available	No data available
neryl acetate	No data available	No data available	No data available	No data available
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available	No data available	No data available	No data available
7-hydroxycitronellal	No data available	No data available	No data available	No data available
2-methylundecanal	-	-	-	-
eugenol	-	-	-	-

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citronellol	No data available	No data available	No data available	No data available
isoeugenol	No data available	No data available	No data available	No data available
citral	No data available	No data available	No data available	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available	No data available	No data available	No data available
(-)-pin-2(3)-ene	No data available	No data available	No data available	No data available
geranyl acetate	No data available	No data available	No data available	No data available

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m ³)
benzyl salicylate	No data available	No data available	No data available	No data available
2-phenylethanol	No data available	No data available	No data available	No data available
linalyl acetate	-	-	-	-
(E)-2-Benzylideneoctanal	3.2	0.064	0.398	-
aluminium hydroxide	No data available	No data available	No data available	No data available
geraniol	No data available	No data available	No data available	No data available
neryl acetate	No data available	No data available	No data available	No data available
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available	No data available	No data available	No data available
7-hydroxycitronellal	No data available	No data available	No data available	No data available
2-methylundecanal	-	-	-	-
eugenol	-	-	-	-
citronellol	No data available	No data available	No data available	No data available
isoeugenol	No data available	No data available	No data available	No data available
citral	No data available	No data available	No data available	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available	No data available	No data available	No data available
(-)-pin-2(3)-ene	No data available	No data available	No data available	No data available
geranyl acetate	No data available	No data available	No data available	No data available

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

Appropriate engineering controls: Provide a good standard of general ventilation.
Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel. Users are advised to consider national Occupational Exposure Limits or other equivalent values, if available.

REACH use scenarios considered for the undiluted product:

	SWED - Sector-specific worker exposure description	LCS	PROC	Duration (min)	ERC
Spray application	AISE_SWED_PW_11_2	PW	PROC 11	60	ERC8a
Automatic application in a dedicated system	AISE_SWED_PW_4_2	PW	PROC 4	480	ERC8a

Personal protective equipment

Eye / face protection:

Safety glasses or goggles (EN 16321 / EN 166).

Hand protection:

Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.
 Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥ 480 min Material thickness: ≥ 0.7 mm
 Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min Material thickness: ≥ 0.4 mm
 In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.

Body protection:

No special requirements under normal use conditions.

Respiratory protection:

Trigger spray bottle application: No special requirements under normal use conditions. Apply technical measures to comply with the occupational exposure limits, if available.

Environmental exposure controls:

Should not reach sewage water or drainage ditch undiluted or unneutralised.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Information in this section refers to the product, unless it is specifically stated that substance data is listed

Good Sense Spring (Barrettes; Plaque; Solo)

Physical state: Solid**Colour:** Light , from Yellow to Brown**Odour:** Product specific**Odour threshold:** Not applicable**Melting point/freezing point (°C):** Not determined**Initial boiling point and boiling range (°C):** Not determined**Method / remark**

Not relevant to classification of this product

Not applicable to solids or gases

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
benzyl salicylate	No data available		
2-phenylethanol	No data available		
linalyl acetate	No data available		
(E)-2-Benzylideneoctanal	310.8	OECD 103 (EU A.2)	1013.25
aluminium hydroxide	No data available		
geraniol	No data available		
neryl acetate	No data available		
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available		
7-hydroxycitronellal	No data available		
2-methylundecanal	No data available		
eugenol	No data available		
citronellol	No data available		
isoeugenol	No data available		
citral	No data available		
3-p-cumenyl-2-methylpropionaldehyde	No data available		
(-)-pin-2(3)-ene	No data available		
geranyl acetate	No data available		

Method / remark**Flammability (solid, gas):** Not determined**Flammability (liquid):** Not applicable.**Flash point (°C):** ≈ 380 °C**Sustained combustion:** Not applicable.

(UN Manual of Tests and Criteria, section 32, L.2)

Lower and upper explosion limit/flammability limit (%): Not determined

closed cup

Substance data, flammability or explosive limits, if available:

Method / remark**Autoignition temperature:** Not determined**Decomposition temperature:** Not applicable.**pH:** Not applicable**Kinematic viscosity:** Not determined**Solubility in / Miscibility with water:** Soluble

Not applicable to solids or gases

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
benzyl salicylate	No data available		
2-phenylethanol	No data available		
linalyl acetate	No data available		
(E)-2-Benzylideneoctanal	0.00162	OECD 105 (EU A.6)	20
aluminium hydroxide	No data available		
geraniol	No data available		
neryl acetate	No data available		
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available		
7-hydroxycitronellal	No data available		
2-methylundecanal	No data available		
eugenol	No data available		
citronellol	No data available		
isoeugenol	No data available		
citral	No data available		
3-p-cumenyl-2-methylpropionaldehyde	No data available		
(-)-pin-2(3)-ene	No data available		
geranyl acetate	No data available		

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Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Vapour pressure: Not determined

Method / remark

See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
benzyl salicylate	No data available		
2-phenylethanol	No data available		
linalyl acetate	No data available		
(E)-2-Benzylideneoctanal	0.068	OECD 104 (EU A.4)	25
aluminium hydroxide	No data available		
geraniol	No data available		
neryl acetate	No data available		
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available		
7-hydroxycitronellal	No data available		
2-methylundecanal	No data available		
eugenol	No data available		
citronellol	No data available		
isoeugenol	No data available		
citral	No data available		
3-p-cumenyl-2-methylpropionaldehyde	No data available		
(-)-pin-2(3)-ene	No data available		
geranyl acetate	No data available		

Relative density: $\approx$ 1.00 (20 °C)

Relative vapour density: No data available.

Particle characteristics: Not determined.

Method / remark

OECD 109 (EU A.3)

Not applicable to solids

Not relevant to classification of this product.

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties: Not explosive.

Oxidising properties: Not oxidising.

Corrosion to metals: Not determined

Not applicable to solids or gases

9.2.2 Other safety characteristics

No other relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid

None known under normal storage and use conditions.

10.5 Incompatible materials

None known under normal use conditions.

10.6 Hazardous decomposition products

None known under normal storage and use conditions.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Mixture data:

Relevant calculated ATE(s):

Good Sense Spring (Barrettes; Plaque; Solo)

ATE - Oral (mg/kg): >2000

Substance data, where relevant and available, are listed below.

Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Oral (mg/kg)
benzyl salicylate	LD ₅₀	> 2000		Method not given		Not established
2-phenylethanol	LD ₅₀	1790				1790
linalyl acetate		9000				Not established
(E)-2-Benzylideneoctanal	LD ₅₀	3100	Rat	OECD 401 (EU B.1)		3100
aluminium hydroxide		No data available				Not established
geraniol		No data available				Not established
neryl acetate		No data available				Not established
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	LD ₅₀	4590	Rat	Method not given		Not established
7-hydroxycitronellal		No data available				Not established
2-methylundecanal	LD ₅₀	> 5000	Rat	Method not given		Not established
eugenol	LD ₅₀	> 2000				Not established
citronellol		No data available				320000
isoeugenol		No data available				Not established
citral	LD ₅₀	> 2000				2250
3-p-cumenyl-2-methylpropionaldehyde	LD ₅₀	> 3000				3850
(-)-pin-2(3)-ene		No data available				Not established
geranyl acetate		No data available				Not established

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Dermal (mg/kg)
benzyl salicylate		No data available				Not established
2-phenylethanol	LD ₅₀	2500				2500
linalyl acetate		No data available				Not established
(E)-2-Benzylideneoctanal	LD ₅₀	> 3000	Rabbit	OECD 402 (EU B.3)		Not established
aluminium hydroxide		No data available				Not established
geraniol		No data available				Not established
neryl acetate		No data available				Not established
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one		No data available				Not established
7-hydroxycitronellal		No data available				Not established
2-methylundecanal	LD ₅₀	> 5000	Rabbit	Method not given	24 hours	Not established
eugenol		No data available				Not established
citronellol		No data available				230000
isoeugenol		No data available				Not established
citral		No data available				Not established
3-p-cumenyl-2-methylpropionaldehyde		No data available				Not established
(-)-pin-2(3)-ene		No data available				Not established
geranyl acetate		No data available				Not established

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
benzyl salicylate		No data available			
2-phenylethanol		No data			

Good Sense Spring (Barrettes; Plaque; Solo)

		available			
linalyl acetate		No data available			
(E)-2-Benzylideneoctanal	LC ₅₀	> 2.12 (mist)	Rat	OECD 403 (EU B.2)	4
aluminium hydroxide		No data available			
geraniol		No data available			
neryl acetate		No data available			
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one		No data available			
7-hydroxycitronellal		No data available			
2-methylundecanal		No data available			
eugenol		No data available			
citronellol		No data available			
isoeugenol		No data available			
citral		No data available			
3-p-cumenyl-2-methylpropionaldehyde		No data available			
(-)-pin-2(3)-ene		No data available			
geranyl acetate		No data available			

Acute inhalative toxicity, continued

Ingredient(s)	ATE - inhalation, dust (mg/l)	ATE - inhalation, mist (mg/l)	ATE - inhalation, vapour (mg/l)	ATE - inhalation, gas (mg/l)
benzyl salicylate	Not established	Not established	Not established	Not established
2-phenylethanol	Not established	Not established	Not established	Not established
linalyl acetate	Not established	Not established	Not established	Not established
(E)-2-Benzylideneoctanal	Not established	Not established	Not established	Not established
aluminium hydroxide	Not established	Not established	Not established	Not established
geraniol	Not established	Not established	Not established	Not established
neryl acetate	Not established	Not established	Not established	Not established
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	Not established	Not established	Not established	Not established
7-hydroxycitronellal	Not established	Not established	Not established	Not established
2-methylundecanal	Not established	Not established	Not established	Not established
eugenol	Not established	Not established	Not established	Not established
citronellol	Not established	Not established	Not established	Not established
isoeugenol	Not established	Not established	Not established	Not established
citral	Not established	Not established	Not established	Not established
3-p-cumenyl-2-methylpropionaldehyde	Not established	Not established	Not established	Not established
(-)-pin-2(3)-ene	Not established	Not established	Not established	Not established
geranyl acetate	Not established	Not established	Not established	Not established

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
benzyl salicylate	No data available			
2-phenylethanol	No data available			
linalyl acetate	No data available			
(E)-2-Benzylideneoctanal	Irritant	Rabbit	OECD 404 (EU B.4)	4 hour(s)
aluminium hydroxide	No data available			
geraniol	No data available			
neryl acetate	No data available			
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available			
7-hydroxycitronellal	No data available			
2-methylundecanal	No data available			
eugenol	No data available			
citronellol	No data available			
isoeugenol	No data available			
citral	No data available			
3-p-cumenyl-2-methylpropionaldehyde	No data available			
(-)-pin-2(3)-ene	No data available			
geranyl acetate	No data available			

Good Sense Spring (Barrettes; Plaque; Solo)

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Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
benzyl salicylate	No data available			
2-phenylethanol	No data available			
linalyl acetate	No data available			
(E)-2-Benzylideneoctanal	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5)	
aluminium hydroxide	No data available			
geraniol	No data available			
neryl acetate	No data available			
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available			
7-hydroxycitronellal	No data available			
2-methylundecanal	No data available			
eugenol	No data available			
citronellol	No data available			
isoeugenol	No data available			
citral	No data available			
3-p-cumenyl-2-methylpropionaldehyde	No data available			
(-)-pin-2(3)-ene	No data available			
geranyl acetate	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
benzyl salicylate	No data available			
2-phenylethanol	No data available			
linalyl acetate	No data available			
(E)-2-Benzylideneoctanal	No data available			
aluminium hydroxide	No data available			
geraniol	No data available			
neryl acetate	No data available			
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available			
7-hydroxycitronellal	No data available			
2-methylundecanal	No data available			
eugenol	No data available			
citronellol	No data available			
isoeugenol	No data available			
citral	No data available			
3-p-cumenyl-2-methylpropionaldehyde	No data available			
(-)-pin-2(3)-ene	No data available			
geranyl acetate	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
benzyl salicylate	No data available			
2-phenylethanol	No data available			
linalyl acetate	No data available			
(E)-2-Benzylideneoctanal	Sensitising	Mouse	OECD 429 (EU B.42)	
aluminium hydroxide	No data available			
geraniol	No data available			
neryl acetate	No data available			
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available			
7-hydroxycitronellal	No data available			
2-methylundecanal	No data available			
eugenol	No data available			
citronellol	No data available			
isoeugenol	No data available			
citral	No data available			
3-p-cumenyl-2-methylpropionaldehyde	No data available			
(-)-pin-2(3)-ene	No data available			
geranyl acetate	No data available			

Good Sense Spring (Barrettes; Plaque; Solo)

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
benzyl salicylate	No data available			
2-phenylethanol	No data available			
linalyl acetate	No data available			
(E)-2-Benzylideneoctanal	No data available			
aluminium hydroxide	No data available			
geraniol	No data available			
neryl acetate	No data available			
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available			
7-hydroxycitronellal	No data available			
2-methylundecanal	No data available			
eugenol	No data available			
citronellol	No data available			
isoeugenol	No data available			
citral	No data available			
3-p-cumenyl-2-methylpropionaldehyde	No data available			
(-)-pin-2(3)-ene	No data available			
geranyl acetate	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
benzyl salicylate	No data available		No data available	
2-phenylethanol	No data available		No data available	
linalyl acetate	No data available		No data available	
(E)-2-Benzylideneoctanal	No data available		No data available	
aluminium hydroxide	No data available		No data available	
geraniol	No data available		No data available	
neryl acetate	No data available		No data available	
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available		No data available	
7-hydroxycitronellal	No data available		No data available	
2-methylundecanal	No data available		No data available	
eugenol	No data available		No data available	
citronellol	No data available		No data available	
isoeugenol	No data available		No data available	
citral	No data available		No data available	
3-p-cumenyl-2-methylpropionaldehyde	No data available		No data available	
(-)-pin-2(3)-ene	No data available		No data available	
geranyl acetate	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
benzyl salicylate	No data available
2-phenylethanol	No data available
linalyl acetate	No data available
(E)-2-Benzylideneoctanal	No data available
aluminium hydroxide	No data available
geraniol	No data available
neryl acetate	No data available
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available
7-hydroxycitronellal	No data available
2-methylundecanal	No data available
eugenol	No data available
citronellol	No data available
isoeugenol	No data available
citral	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available
(-)-pin-2(3)-ene	No data available
geranyl acetate	No data available

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
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Good Sense Spring (Barrettes; Plaque; Solo)

benzyl salicylate			No data available				
2-phenylethanol			No data available				
linalyl acetate			No data available				
(E)-2-Benzylideneoctanal			No data available				
aluminium hydroxide			No data available				
geraniol			No data available				
neryl acetate			No data available				
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one			No data available				
7-hydroxycitronellal			No data available				
2-methylundecanal			No data available				
eugenol			No data available				
citronellol			No data available				
isoeugenol			No data available				
citral			No data available				
3-p-cumenyl-2-methylpropionaldehyde			No data available				
(-)-pin-2(3)-ene			No data available				
geranyl acetate			No data available				

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
benzyl salicylate		No data available				
2-phenylethanol		No data available				
linalyl acetate		No data available				
(E)-2-Benzylideneoctanal		No data available				
aluminium hydroxide		No data available				
geraniol		No data available				
neryl acetate		No data available				
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one		No data available				
7-hydroxycitronellal		No data available				
2-methylundecanal		No data available				
eugenol		No data available				
citronellol		No data available				
isoeugenol		No data available				
citral		No data available				
3-p-cumenyl-2-methylpropionaldehyde		No data available				
(-)-pin-2(3)-ene		No data available				
geranyl acetate		No data available				

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
benzyl salicylate		No data available				

Good Sense Spring (Barrettes; Plaque; Solo)

2-phenylethanol		No data available				
linalyl acetate		No data available				
(E)-2-Benzylideneoctanal		No data available				
aluminium hydroxide		No data available				
geraniol		No data available				
neryl acetate		No data available				
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one		No data available				
7-hydroxycitronellal		No data available				
2-methylundecanal		No data available				
eugenol		No data available				
citronellol		No data available				
isoeugenol		No data available				
citral		No data available				
3-p-cumenyl-2-methylpropionaldehyde		No data available				
(-)-pin-2(3)-ene		No data available				
geranyl acetate		No data available				

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
benzyl salicylate		No data available				
2-phenylethanol		No data available				
linalyl acetate		No data available				
(E)-2-Benzylideneoctanal		No data available				
aluminium hydroxide		No data available				
geraniol		No data available				
neryl acetate		No data available				
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one		No data available				
7-hydroxycitronellal		No data available				
2-methylundecanal		No data available				
eugenol		No data available				
citronellol		No data available				
isoeugenol		No data available				
citral		No data available				
3-p-cumenyl-2-methylpropionaldehyde		No data available				
(-)-pin-2(3)-ene		No data available				
geranyl acetate		No data available				

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
benzyl salicylate			No data available					
2-phenylethanol			No data available					
linalyl acetate			No data available					

Good Sense Spring (Barrettes; Plaque; Solo)

(E)-2-Benzylideneoctanal			No data available				
aluminium hydroxide			No data available				
geraniol			No data available				
neryl acetate			No data available				
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one			No data available				
7-hydroxycitronellal			No data available				
2-methylundecanal			No data available				
eugenol			No data available				
citronellol			No data available				
isoeugenol			No data available				
citral			No data available				
3-p-cumenyl-2-methylpropionaldehyde			No data available				
(-)-pin-2(3)-ene			No data available				
geranyl acetate			No data available				

STOT-single exposure

Ingredient(s)	Affected organ(s)
benzyl salicylate	No data available
2-phenylethanol	No data available
linalyl acetate	No data available
(E)-2-Benzylideneoctanal	No data available
aluminium hydroxide	No data available
geraniol	No data available
neryl acetate	No data available
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available
7-hydroxycitronellal	No data available
2-methylundecanal	No data available
eugenol	No data available
citronellol	No data available
isoeugenol	No data available
citral	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available
(-)-pin-2(3)-ene	No data available
geranyl acetate	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
benzyl salicylate	No data available
2-phenylethanol	No data available
linalyl acetate	No data available
(E)-2-Benzylideneoctanal	No data available
aluminium hydroxide	No data available
geraniol	No data available
neryl acetate	No data available
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available
7-hydroxycitronellal	No data available
2-methylundecanal	No data available
eugenol	No data available
citronellol	No data available
isoeugenol	No data available
citral	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available
(-)-pin-2(3)-ene	No data available
geranyl acetate	No data available

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3.

Good Sense Spring (Barrettes; Plaque; Solo)

Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

11.2 Information on other hazards**11.2.1 Endocrine disrupting properties**

Endocrine disrupting properties - Human data, if available:

11.2.2 Other information

No other relevant information available.

SECTION 12: Ecological information**12.1 Toxicity**

No data is available on the mixture .

Substance data, where relevant and available, are listed below:

Aquatic short-term toxicity

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
benzyl salicylate		No data available			
2-phenylethanol		No data available			
linalyl acetate	LC ₅₀	11	<i>Cyprinus carpio</i>	OECD 203, flow-through	96
(E)-2-Benzylideneoctanal	LC ₅₀	1.7	<i>Pimephales promelas</i>	OECD 203, flow-through	96
aluminium hydroxide		No data available			
geraniol		No data available			
neryl acetate	LC ₅₀	6		QSAR	
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	LC ₅₀	6.81	<i>Fish</i>	DIN 38412, Part 15	96
7-hydroxycitronellal		No data available			
2-methylundecanal		No data available			
eugenol		No data available			
citronellol		No data available			
isoeugenol		No data available			
citral		No data available			
3-p-cumenyl-2-methylpropionaldehyde		No data available			
(-)-pin-2(3)-ene		No data available			
geranyl acetate		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
benzyl salicylate		No data available			
2-phenylethanol		No data available			
linalyl acetate	EC ₅₀	59	<i>Daphnia</i>	OECD 202, static	48
(E)-2-Benzylideneoctanal	EC ₅₀	0.247	<i>Daphnia magna Straus</i>	OECD 202, flow-through	48
aluminium hydroxide		No data available			
geraniol		No data available			
neryl acetate	EC ₅₀	9.06	<i>Daphnia magna Straus</i>	OECD 202, static	48
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	LC ₅₀	4.03	<i>Daphnia magna Straus</i>	OECD 202, static	48
7-hydroxycitronellal		No data available			

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2-methylundecanal		No data available			
eugenol		No data available			
citronellol		No data available			
isoeugenol		No data available			
citral		No data available			
3-p-cumenyl-2-methylpropionaldehyde		No data available			
(-)-pin-2(3)-ene		No data available			
geranyl acetate		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
benzyl salicylate		No data available			
2-phenylethanol		No data available			
linalyl acetate	EC ₅₀	68	<i>Pseudokirchneriella subcapitata</i>	OECD 201 (EU C.3)	72
(E)-2-Benzylideneoctanal	EC ₅₀	> 0.065	<i>Desmodesmus subspicatus</i>	OECD 201, static	72
aluminium hydroxide		No data available			
geraniol		No data available			
neryl acetate	EC ₅₀	4.9		QSAR	
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	E _b C ₅₀	20.9	<i>Desmodesmus subspicatus</i>	DIN 38412, Part 9	72
7-hydroxycitronellal		No data available			
2-methylundecanal		No data available			
eugenol		No data available			
citronellol		No data available			
isoeugenol		No data available			
citral		No data available			
3-p-cumenyl-2-methylpropionaldehyde		No data available			
(-)-pin-2(3)-ene		No data available			
geranyl acetate		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
benzyl salicylate		No data available			
2-phenylethanol		No data available			
linalyl acetate		No data available			
(E)-2-Benzylideneoctanal		No data available			
aluminium hydroxide		No data available			
geraniol		No data available			
neryl acetate		No data available			
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one		No data available			
7-hydroxycitronellal		No data available			
2-methylundecanal		No data available			
eugenol		No data available			

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citronellol		No data available			
isoeugenol		No data available			
citral		No data available			
3-p-cumenyl-2-methylpropionaldehyde		No data available			
(-)-pin-2(3)-ene		No data available			
geranyl acetate		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
benzyl salicylate		No data available			
2-phenylethanol		No data available			
linalyl acetate		No data available			
(E)-2-Benzylideneoctanal		No data available			
aluminium hydroxide		No data available			
geraniol		No data available			
neryl acetate		No data available			
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one		No data available			
7-hydroxycitronellal		No data available			
2-methylundecanal		No data available			
eugenol		No data available			
citronellol		No data available			
isoeugenol		No data available			
citral		No data available			
3-p-cumenyl-2-methylpropionaldehyde		No data available			
(-)-pin-2(3)-ene		No data available			
geranyl acetate		No data available			

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
benzyl salicylate		No data available				
2-phenylethanol		No data available				
linalyl acetate		No data available				
(E)-2-Benzylideneoctanal		No data available				
aluminium hydroxide		No data available				
geraniol		No data available				
neryl acetate		No data available				
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one		No data available				
7-hydroxycitronellal		No data available				
2-methylundecanal		No data available				
eugenol		No data available				
citronellol		No data available				
isoeugenol		No data				

Good Sense Spring (Barrettes; Plaque; Solo)

		available				
citral		No data available				
3-p-cumenyl-2-methylpropionaldehyde		No data available				
(-)-pin-2(3)-ene		No data available				
geranyl acetate		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
benzyl salicylate		No data available				
2-phenylethanol		No data available				
linalyl acetate		No data available				
(E)-2-Benzylideneoctanal	NOEC	0.063	<i>Daphnia magna</i>	OECD 211, flow-through	21 day(s)	
aluminium hydroxide		No data available				
geraniol		No data available				
neryl acetate		No data available				
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one		No data available				
7-hydroxycitronellal		No data available				
2-methylundecanal		No data available				
eugenol		No data available				
citronellol		No data available				
isoeugenol		No data available				
citral		No data available				
3-p-cumenyl-2-methylpropionaldehyde		No data available				
(-)-pin-2(3)-ene		No data available				
geranyl acetate		No data available				

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
benzyl salicylate		No data available				
2-phenylethanol		No data available				
linalyl acetate		No data available				
(E)-2-Benzylideneoctanal		No data available				
aluminium hydroxide		No data available				
geraniol		No data available				
neryl acetate		No data available				
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one		No data available				
7-hydroxycitronellal		No data available				
2-methylundecanal		No data available				
eugenol		No data available				
citronellol		No data available				
isoeugenol		No data available				
citral		No data available				

Good Sense Spring (Barrettes; Plaque; Solo)

3-p-cumenyl-2-methylpropionaldehyde		No data available				
(-)-pin-2(3)-ene		No data available				
geranyl acetate		No data available				

Terrestrial toxicity

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

12.2 Persistence and degradability**Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
benzyl salicylate				OECD 301F	Readily biodegradable
2-phenylethanol	Activated sludge, aerobe		78.61%	OECD 301B	Readily biodegradable
linalyl acetate				OECD 301F	Readily biodegradable
(E)-2-Benzylideneoctanal	Activated sludge, aerobe	Oxygen depletion	97% in 28 day(s)	OECD 301F	Readily biodegradable
aluminium hydroxide					Not applicable (inorganic substance)
geraniol				OECD 301F	Readily biodegradable
neryl acetate		Oxygen depletion	90% in 28 day(s)	Read across	Readily biodegradable
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one			75.4% in 28 day(s)	OECD 301B	Readily biodegradable
7-hydroxycitronellal				OECD 301F	Readily biodegradable
2-methylundecanal				OECD 301F	Readily biodegradable
eugenol					Readily biodegradable
citronellol	Activated sludge, aerobe	CO ₂ production		OECD 301F	Readily biodegradable
isoeugenol		Oxygen depletion	79% in 28 day(s)	OECD 301F	Readily biodegradable
citral				OECD 301F	Readily biodegradable
3-p-cumenyl-2-methylpropionaldehyde				OECD 301B	Readily biodegradable
(-)-pin-2(3)-ene		Oxygen depletion	68% in 28 day(s)	OECD 301D	Readily biodegradable
geranyl acetate	Activated sludge, aerobe	CO ₂ production			Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potentialPartition coefficient n-octanol/water (log K_{ow})

Ingredient(s)	Value	Method	Evaluation	Remark
benzyl salicylate	No data available			
2-phenylethanol	No data available			
linalyl acetate	No data available			
(E)-2-Benzylideneoctanal	5.3	OECD 117		at 24 °C
aluminium hydroxide	No data available			
geraniol	No data available			
neryl acetate	No data available			
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available			

Good Sense Spring (Barrettes; Plaque; Solo)

7-hydroxycitronellal	No data available			
2-methylundecanal	No data available			
eugenol	No data available			
citronellol	No data available			
isoeugenol	No data available			
citral	No data available			
3-p-cumenyl-2-methylpropionaldehyde	No data available			
(-)-pin-2(3)-ene	No data available			
geranyl acetate	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
benzyl salicylate	No data available				
2-phenylethanol	No data available				
linalyl acetate	No data available				
(E)-2-Benzylideneoctanal	No data available				
aluminium hydroxide	No data available				
geraniol	No data available				
neryl acetate	No data available				
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available				
7-hydroxycitronellal	No data available				
2-methylundecanal	No data available				
eugenol	No data available				
citronellol	No data available				
isoeugenol	No data available				
citral	No data available				
3-p-cumenyl-2-methylpropionaldehyde	No data available				
(-)-pin-2(3)-ene	No data available				
geranyl acetate	No data available				

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log K _{oc}	Desorption coefficient Log K _{oc} (des)	Method	Soil/sediment type	Evaluation
benzyl salicylate	No data available				
2-phenylethanol	No data available				
linalyl acetate	No data available				
(E)-2-Benzylideneoctanal	No data available				
aluminium hydroxide	No data available				
geraniol	No data available				
neryl acetate	No data available				
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	No data available				
7-hydroxycitronellal	No data available				
2-methylundecanal	No data available				
eugenol	No data available				
citronellol	No data available				
isoeugenol	No data available				
citral	No data available				
3-p-cumenyl-2-methylpropionaldehyde	No data available				
(-)-pin-2(3)-ene	No data available				
geranyl acetate	No data available				

12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

12.6 Endocrine disrupting properties

Endocrine disrupting properties - Environmental effects, if available:

12.7 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

Good Sense Spring (Barrettes; Plaque; Solo)

13.1 Waste treatment methods
Waste from residues / unused products:

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

Empty packaging
Recommendation:

Dispose of observing national or local regulations.

SECTION 14: Transport information**Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)**

14.1 UN number or ID number: 3077

14.2 UN proper shipping name:

Environmentally hazardous substance, solid, n.o.s. (alpha-hexylcinnamaldehyde , 2-methylundecanal)

14.3 Transport hazard class(es):

Transport hazard class (and subsidiary risks): 9

14.4 Packing group: III

14.5 Environmental hazards:

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6 Special precautions for user: None known.

14.7 Maritime transport in bulk according to IMO instruments: The product is not transported in bulk tankers.

Other relevant information:**ADR**

Classification code: M7

Tunnel restriction code: (-)

Hazard identification number: 90

IMO/IMDG

EmS: F-A, S-F

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code. Transport regulations include special provisions for dangerous goods packed in small quantities classified under UN3077 or UN3082.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations :**

- Regulation (EC) 1907/2006 - REACH (UK amended)
- Regulation (EC) 1272/2008 - CLP (UK amended)
- Delegated Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (UK amended)
- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- International Maritime Dangerous Goods (IMDG) Code

Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.

Comah - classification: E2 - Hazardous to the Aquatic Environment in Category Chronic 2

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

SDS code: MS1005869

Version: 01.0

Revision: 2024-08-04

Good Sense Spring (Barrettes; Plaque; Solo)**Classification procedure**

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- ATE - Acute Toxicity Estimate
- DNEL - Derived No Effect Limit
- EC50 - effective concentration, 50%
- ERC - Environmental release categories
- EUH - CLP Specific hazard statement
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LCS - Life cycle stage
- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organisation for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- H226 - Flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H304 - May be fatal if swallowed and enters airways.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H361 - Suspected of damaging fertility or the unborn child.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- H411 - Toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

End of Safety Data Sheet