



## Good Sense Spring (Barrettes; Plaque; Solo)

Revision: 2022-11-14

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, Maarssenbroeksedijk 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@diversey.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 Irrit. 2 (H315)  
Eye Dam. 1 (H318)  
Skin Sens. 1 (H317)  
Aquatic Chronic 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:

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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.

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	01-2119969442-31	Eye Irrit. 2 (H319) Skin Sens. 1B (H317) Aquatic Chronic 3 (H412)		10-20
2-phenylethanol	200-456-2	60-12-8	01-2119963921-31	Acute Tox. 4 (H302) Eye Irrit. 2 (H319)		3-10
linalyl acetate	204-116-4	115-95-7	01-2119454789-19	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)		3-10
(E)-2-Benzylideneoctanal	639-566-4	165184-98-5	01-2119533092-50	Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)		3-10
aluminium hydroxide	244-492-7	21645-51-2	01-2119529246-39	Not classified as hazardous		3-10
geraniol	203-377-1	106-24-1	01-2119552430-49	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317)		3-10
neryl acetate	205-459-2	141-12-8	01-2120748334-54	Skin Sens. 1B (H317)		1-3
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	238-969-9	14901-07-6	01-2119449921-34	Aquatic Chronic 2 (H411)		1-3
7-hydroxycitronellal	203-518-7	107-75-5	01-2119973482-31	Eye Irrit. 2 (H319) Skin Sens. 1B (H317)		1-3
2-methylundecanal	203-765-0	110-41-8	01-2119969443-29	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Aquatic Chronic 3 (H412)		1-3
eugenol	202-589-1	97-53-0	01-2119971802-33	Eye Irrit. 2 (H319) Skin Sens. 1B (H317)		1-3
citronellol	203-375-0	106-22-9	01-2119453995-23	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1B (H317)		1-3
isoeugenol	202-590-7	97-54-1	01-2120223682-61	Skin Sens. 1A (H317)		0.1-1
citral	226-394-6	5392-40-5	01-2119462829-23	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)		0.1-1
3-p-cumenyl-2-methylpropionaldehyde	203-161-7	103-95-7	01-2119970582-32	Repr. 2 (H361) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Chronic 3 (H412)		0.1-1
(-)-pin-2(3)-ene	232-077-3	7785-26-4	01-2119979519-16	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		0.1-1
geranyl acetate	203-341-5	105-87-3	01-2119973480-35	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Chronic 3 (H412)		0.1-1

#### Specific concentration limits

isoeugenol:

- Skin Sens. 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..

## Good Sense Spring (Barrettes; Plaque; Solo)

**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 or attention.

**Eye contact:**

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

## Good Sense Spring (Barrettes; Plaque; Solo)

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 <sup>3</sup> inhalable dust 4 mg/m <sup>3</sup> respirable dust	30 mg/m <sup>3</sup> inhalable dust 12 mg/m <sup>3</sup> 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 <sup>2</sup> skin	-	0.525 mg/cm <sup>2</sup> 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	Short term - Systemic	Long term - Local	Long term - Systemic
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	effects	effects (mg/kg bw)	effects	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 <sup>2</sup> skin	-	0.787 mg/cm <sup>2</sup> 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
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 inhalatory exposure - Worker (mg/m<sup>3</sup>)

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/DMEL inhalatory exposure - Consumer (mg/m<sup>3</sup>)

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

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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 - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m <sup>3</sup> )
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 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.

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**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

	Method / remark
<b>Physical state:</b> Solid	
<b>Colour:</b> Light , from Yellow to Brown	
<b>Odour:</b> Product specific	
<b>Odour threshold:</b> Not applicable	
<b>Melting point/freezing point (°C):</b> Not determined	Not relevant to classification of this product
<b>Initial boiling point and boiling range (°C):</b> Not determined	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
<b>Flammability (solid, gas):</b> Not determined	
<b>Flammability (liquid):</b> Not applicable.	
<b>Flash point (°C):</b> ≈ 380 °C	closed cup
<b>Sustained combustion:</b> Not applicable. ( UN Manual of Tests and Criteria, section 32, L.2 )	
<b>Lower and upper explosion limit/flammability limit (%):</b> Not determined	

Substance data, flammability or explosive limits, if available:

	Method / remark
<b>Autoignition temperature:</b> Not determined	
<b>Decomposition temperature:</b> Not applicable.	
<b>pH:</b> Not applicable Not measured	
<b>Kinematic viscosity:</b> Not determined	Not applicable to solids or gases
<b>Solubility in / Miscibility with water:</b> Soluble	

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		

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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		

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:** ≈ 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



## Good Sense Spring (Barrettes; Plaque; Solo)

## 11.1 Information on toxicological effects

Mixture data:.

## Relevant calculated ATE(s):

ATE - Oral (mg/kg): &gt;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 (mg/kg)
benzyl salicylate	LD <sub>50</sub>	> 2000		Method not given		Not established
2-phenylethanol	LD <sub>50</sub>	1790				29000
linalyl acetate		9000				Not established
(E)-2-Benzylideneoctanal	LD <sub>50</sub>	3100	Rat	OECD 401 (EU B.1)		42000
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 <sub>50</sub>	4590	Rat	Method not given		Not established
7-hydroxycitronellal		No data available				Not established
2-methylundecanal	LD <sub>50</sub>	> 5000	Rat	Method not given		Not established
eugenol	LD <sub>50</sub>	> 2000				Not established
citronellol		No data available				320000
isoeugenol		No data available				Not established
citral	LD <sub>50</sub>	> 2000				750000
3-p-cumenyl-2-methylpropionaldehyde	LD <sub>50</sub>	> 3000				710000
(-)-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 (mg/kg)
benzyl salicylate		No data available				Not established
2-phenylethanol	LD <sub>50</sub>	2500				40000
linalyl acetate		No data available				Not established
(E)-2-Benzylideneoctanal	LD <sub>50</sub>	> 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 <sub>50</sub>	> 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				Not established

## Good Sense Spring (Barrettes; Plaque; Solo)

		available			
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## Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
benzyl salicylate		No data available			
2-phenylethanol		No data available			
linalyl acetate		No data available			
(E)-2-Benzylideneoctanal	LC <sub>50</sub>	> 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			

## Good Sense Spring (Barrettes; Plaque; Solo)

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			

## 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			

## Good Sense Spring (Barrettes; Plaque; Solo)

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 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

## Good Sense Spring (Barrettes; Plaque; Solo)

(-)-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
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				

## Good Sense Spring (Barrettes; Plaque; Solo)

		available				
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## 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				
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

## Good Sense Spring (Barrettes; Plaque; Solo)

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					
(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

## 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

**Aspiration hazard**

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

**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 <sub>50</sub>	11	<i>Cyprinus carpio</i>	OECD 203, flow-through	96
(E)-2-Benzylideneoctanal	LC <sub>50</sub>	1.7	<i>Pimephales promelas</i>	OECD 203, flow-through	96
aluminium hydroxide		No data available			
geraniol		No data available			
neryl acetate	LC <sub>50</sub>	6		QSAR	
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	LC <sub>50</sub>	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 <sub>50</sub>	59	<i>Daphnia</i>	OECD 202, static	48
(E)-2-Benzylideneoctanal	EC <sub>50</sub>	0.247	<i>Daphnia magna Straus</i>	OECD 202, flow-through	48
aluminium hydroxide		No data available			
geraniol		No data			



## Good Sense Spring (Barrettes; Plaque; Solo)

		available			
neryl acetate	EC <sub>50</sub>	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 <sub>50</sub>	4.03	<i>Daphnia magna Straus</i>	OECD 202, static	48
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 - 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 <sub>50</sub>	68	<i>Pseudokirchneriella subcapitata</i>	OECD 201 (EU C.3)	72
(E)-2-Benzylideneoctanal	EC <sub>50</sub>	> 0.065	<i>Desmodesmus subspicatus</i>	OECD 201, static	72
aluminium hydroxide		No data available			
geraniol		No data available			
neryl acetate	EC <sub>50</sub>	4.9		QSAR	
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	E <sub>b</sub> C <sub>50</sub>	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			

## Good Sense Spring (Barrettes; Plaque; Solo)

		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			

## 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				

## Good Sense Spring (Barrettes; Plaque; Solo)

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 - 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				

## Good Sense Spring (Barrettes; Plaque; Solo)

		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				

**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 <sub>50</sub>	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 <sub>2</sub> 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 <sub>2</sub> production			Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

**12.3 Bioaccumulative potential**

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
benzyl salicylate	No data available			
2-phenylethanol	No data available			

## Good Sense Spring (Barrettes; Plaque; Solo)

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			
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 <sub>oc</sub>	Desorption coefficient Log K <sub>oc</sub> (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.

**Good Sense Spring (Barrettes; Plaque; Solo)****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****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:** 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 Transport in bulk according to Annex II of MARPOL and the IBC Code:** 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: 2022-11-14

**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.

**Full text of the H and EUH phrases mentioned in section 3:**

- 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.

**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

**End of Safety Data Sheet**