



Good Sense Magnolia & Mimosa O1b

Revision: 2023-03-17

Version: 02.3

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

1.1 Product identifier

Trade name: Good Sense Magnolia & Mimosa O1b

UFI: F785-X0PP-U00P-5C7E

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

Product use: Odor Control - Instant action.

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

Aerosol 1 (H222)

Skin Sens. 1 (H317)

Aquatic Chronic 3 (H412)

2.2 Label elements



Signal word: Danger.

Contains 4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde (Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde), isoeugenol (Isoeugenol), alpha-hexylcinnamaldehyde (Hexyl Cinnamal), citronellol (Citronellol), 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one (Alpha-Isomethyl Ionone), linalool (Linalool)

Hazard statements:

H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use.

P280 - Wear protective gloves.

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

P501 - Dispose of unused content as chemical waste.

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
dimethyl ether	204-065-8	115-10-6	01-2119472128-37	Flam. Gas 1 (H220) Press. Gas (Comp.) (H280)		30-50
diethyl phthalate	201-550-6	84-66-2	01-2119486682-27	Not classified as hazardous		10-20
ethanol	200-578-6	64-17-5	01-2119457610-43	Flam. Liq. 2 (H225)		10-20
tricyclodecanedimethanol	248-096-5	26896-48-0	-	Eye Irrit. 2 (H319)		1-3
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	201-972-0	90-17-5	01-2119929625-31	Skin Irrit. 2 (H315) Aquatic Chronic 3 (H412)		1-3
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	214-946-9	1222-05-5	01-2119488227-29	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		1-3
2-phenylethanol	200-456-2	60-12-8	01-2119963921-31	Acute Tox. 4 (H302) Eye Irrit. 2 (H319)		1-3
ionone, methyl-	215-635-0	1335-46-2	01-2119471851-35	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 2 (H411)		1-3
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	222-294-1	3407-42-9	01-2119979583-21	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)		1-3
benzyl acetate	205-399-7	140-11-4	01-2119638272-42	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)		1-3
alpha-hexylcinnamaldehyde	202-983-3	101-86-0	01-2119533092-50	Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)		1-3
citronellol	203-375-0	106-22-9	01-2119453995-23	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1B (H317)		0.1-1
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	204-846-3	127-51-5	01-2120138569-45	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1B (H317) Aquatic Chronic 2 (H411)		0.1-1
linalool	201-134-4	78-70-6	01-2119474016-42	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1B (H317)		0.1-1
Storax, balsam	232-458-4	8046-19-3	-	Skin Sens. 1 (H317)		0.1-1
nerol	203-378-7	106-25-2	01-2119983244-33	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1B (H317)		0.1-1
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	225-193-0	4707-47-5	01-2120762759-36	Skin Sens. 1B (H317)		0.1-1
allyl hexanoate	204-642-4	123-68-2	01-211983573-26	Acute Tox. 3 (H331) Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)		0.1-1
[3R-(3α,3αβ,7β,8αα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	251-020-3	32388-55-9	01-2119969651-28	Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		0.1-1
(ethoxymethoxy)cyclododecane	261-332-1	58567-11-6	01-2119971571-34	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Chronic 3 (H412)		0.1-1
benzyl benzoate	204-402-9	120-51-4	01-2119976371-33	Acute Tox. 4 (H302) Aquatic Acute 1 (H400)		0.1-1

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				Aquatic Chronic 2 (H411)	
eugenol	202-589-1	97-53-0	01-2119971802-33	Eye Irrit. 2 (H319) Skin Sens. 1B (H317)	0.1-1
butanone	201-159-0	78-93-3	-	Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319) EUH066	0.1-1
benzyl salicylate	204-262-9	118-58-1	01-2119969442-31	Eye Irrit. 2 (H319) Skin Sens. 1B (H317) Aquatic Chronic 3 (H412)	0.1-1
d-limonene	227-813-5	5989-27-5	01-2119529223-47	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)	0.1-1
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	250-863-4	31906-04-4	-	Skin Sens. 1A (H317)	0.1-1
7-hydroxycitronellal	203-518-7	107-75-5	01-2119973482-31	Eye Irrit. 2 (H319) Skin Sens. 1B (H317)	0.1-1
isoeugenol	202-590-7	97-54-1	01-2120223682-61	Skin Sens. 1A (H317)	0.01-0.1

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..

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.

Get medical attention or advice if you feel unwell.

Inhalation:**Skin contact:**

Wash skin with plenty of lukewarm, gently flowing water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice or attention.

Eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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:

May cause an allergic skin reaction. Direct contact can damage skin by freezing.

Eye contact:

Direct contact can damage the eye by freezing.

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 suitable gloves.

6.2 Environmental precautions

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Dilute with plenty of water. 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

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders). Absorb liquid components with liquid-binding material. 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:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50° C. Do not open by force or throw into fire even after use. Do not spray on flames or off-hot objects. Use non-sparking tools.

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:

Follow general hygiene considerations recognised as common good workplace practices. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Do not mix with other products unless advised by Diversey. Wash hands 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. 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. Keep out of reach of children. Keep away from heat and direct sunlight.

For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

Comah - Lower Tier requirements (tonnes): 150

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)
dimethyl ether	400 ppm 766 mg/m ³	500 ppm 958 mg/m ³
diethyl phthalate	5 mg/m ³	10 mg/m ³
ethanol	1000 ppm 1920 mg/m ³	3000 ppm 5760 mg/m ³
butanone	200 ppm 600 mg/m ³	300 ppm 899 mg/m ³

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
dimethyl ether	-	-	-	-
diethyl phthalate	No data available	No data available	No data available	No data available
ethanol	-	-	-	87
tricyclodecanedimethanol	No data available	No data available	No data available	No data available
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available	No data available	No data available	No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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

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ionone, methyl-	No data available	No data available	No data available	No data available
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available	No data available	No data available	No data available
benzyl acetate	No data available	No data available	No data available	No data available
alpha-hexylcinnamaldehyde	No data available	No data available	No data available	No data available
citronellol	No data available	No data available	No data available	No data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available	No data available	No data available	No data available
linalool	No data available	No data available	No data available	No data available
Storax, balsam	No data available	No data available	No data available	No data available
nerol	No data available	No data available	No data available	No data available
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	-	-	-	-
allyl hexanoate	No data available	No data available	No data available	No data available
[3R-(3α,3αβ,7β,8αα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available	No data available	No data available	No data available
(ethoxymethoxy)cyclododecane	-	-	-	1.67
benzyl benzoate	No data available	No data available	No data available	No data available
eugenol	-	-	-	3
butanone	No data available	No data available	No data available	No data available
benzyl salicylate	No data available	No data available	No data available	No data available
d-limonene	-	-	-	4.76
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	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
isoeugenol	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)
dimethyl ether	No data available	-	No data available	-
diethyl phthalate	No data available	No data available	No data available	No data available
ethanol	-	-	-	343
tricyclodecanedimethanol	No data available	No data available	No data available	No data available
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available	No data available	No data available	No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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
ionone, methyl-	No data available	No data available	No data available	No data available
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available	No data available	No data available	No data available
benzyl acetate	No data available	No data available	No data available	No data available
alpha-hexylcinnamaldehyde	No data available	No data available	No data available	No data available
citronellol	No data available	No data available	No data available	No data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available	No data available	No data available	No data available
linalool	No data available	No data available	No data available	No data available
Storax, balsam	No data available	No data available	No data available	No data available
nerol	No data available	No data available	No data available	No data available
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available	-	No data available	-
allyl hexanoate	No data available	No data available	No data available	No data available
[3R-(3α,3αβ,7β,8αα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available	No data available	No data available	No data available
(ethoxymethoxy)cyclododecane	No data available	-	No data available	-
benzyl benzoate	No data available	No data available	No data available	No data available
eugenol	No data available	-	No data available	-
butanone	No data available	No data available	No data available	No data available
benzyl salicylate	No data available	No data available	No data available	No data available
d-limonene	0.222 mg/cm ² skin	-	No data available	-
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	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
isoeugenol	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)
dimethyl ether	No data available	-	No data available	-
diethyl phthalate	No data available	No data available	No data available	No data available
ethanol	-	-	-	206
tricyclodecanedimethanol	No data available	No data available	No data available	No data available
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available	No data available	No data available	No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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
ionone, methyl-	No data available	No data available	No data available	No data available
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available	No data available	No data available	No data available
benzyl acetate	No data available	No data available	No data available	No data available

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alpha-hexylcinnamaldehyde	No data available	No data available	No data available	No data available
citronellol	No data available	No data available	No data available	No data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available	No data available	No data available	No data available
linalool	No data available	No data available	No data available	No data available
Storax, balsam	No data available	No data available	No data available	No data available
nerol	No data available	No data available	No data available	No data available
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available	-	No data available	-
allyl hexanoate	No data available	No data available	No data available	No data available
[3R-(3 α ,3 $\alpha\beta$,7 β ,8 $\alpha\alpha$)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available	No data available	No data available	No data available
(ethoxymethoxy)cyclododecane	No data available	-	No data available	-
benzyl benzoate	No data available	No data available	No data available	No data available
eugenol	No data available	-	No data available	-
butanone	No data available	No data available	No data available	No data available
benzyl salicylate	No data available	No data available	No data available	No data available
d-limonene	0.111 mg/cm ² skin	-	No data available	-
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	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
isoeugenol	No data available	No data available	No data available	No data available

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

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
dimethyl ether	-	-	-	1894
diethyl phthalate	No data available	No data available	No data available	No data available
ethanol	1900	-	-	950
tricyclodecanedimethanol	No data available	No data available	No data available	No data available
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available	No data available	No data available	No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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
ionone, methyl-	No data available	No data available	No data available	No data available
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available	No data available	No data available	No data available
benzyl acetate	No data available	No data available	No data available	No data available
alpha-hexylcinnamaldehyde	No data available	No data available	No data available	No data available
citronellol	No data available	No data available	No data available	No data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available	No data available	No data available	No data available
linalool	No data available	No data available	No data available	No data available
Storax, balsam	No data available	No data available	No data available	No data available
nerol	No data available	No data available	No data available	No data available
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	-	-	-	-
allyl hexanoate	No data available	No data available	No data available	No data available
[3R-(3 α ,3 $\alpha\beta$,7 β ,8 $\alpha\alpha$)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available	No data available	No data available	No data available
(ethoxymethoxy)cyclododecane	-	-	-	-
benzyl benzoate	No data available	No data available	No data available	No data available
eugenol	-	-	-	-
butanone	No data available	No data available	No data available	No data available
benzyl salicylate	No data available	No data available	No data available	No data available
d-limonene	-	-	-	33.3
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	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
isoeugenol	No data available	No data available	No data available	No data available

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

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
dimethyl ether	-	-	-	471
diethyl phthalate	No data available	No data available	No data available	No data available
ethanol	950	-	-	114
tricyclodecanedimethanol	No data available	No data available	No data available	No data available
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available	No data available	No data available	No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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
ionone, methyl-	No data available	No data available	No data available	No data available
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available	No data available	No data available	No data available
benzyl acetate	No data available	No data available	No data available	No data available
alpha-hexylcinnamaldehyde	No data available	No data available	No data available	No data available
citronellol	No data available	No data available	No data available	No data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available	No data available	No data available	No data available

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linalool	No data available	No data available	No data available	No data available
Storax, balsam	No data available	No data available	No data available	No data available
nerol	No data available	No data available	No data available	No data available
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	-	-	-	-
allyl hexanoate	No data available	No data available	No data available	No data available
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available	No data available	No data available	No data available
(ethoxymethoxy)cyclododecane	-	-	-	-
benzyl benzoate	No data available	No data available	No data available	No data available
eugenol	-	-	-	-
butanone	No data available	No data available	No data available	No data available
benzyl salicylate	No data available	No data available	No data available	No data available
d-limonene	-	-	-	8.33
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	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
isoeugenol	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)
dimethyl ether	0.155	0.016	1.549	160
diethyl phthalate	No data available	No data available	No data available	No data available
ethanol	0.96	0.79	2.75	580
tricyclodecanedimethanol	No data available	No data available	No data available	No data available
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available	No data available	No data available	No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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
ionone, methyl-	No data available	No data available	No data available	No data available
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available	No data available	No data available	No data available
benzyl acetate	No data available	No data available	No data available	No data available
alpha-hexylcinnamaldehyde	No data available	No data available	No data available	No data available
citronellol	No data available	No data available	No data available	No data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available	No data available	No data available	No data available
linalool	No data available	No data available	No data available	No data available
Storax, balsam	No data available	No data available	No data available	No data available
nerol	No data available	No data available	No data available	No data available
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	-	-	-	-
allyl hexanoate	No data available	No data available	No data available	No data available
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available	No data available	No data available	No data available
(ethoxymethoxy)cyclododecane	-	-	-	-
benzyl benzoate	No data available	No data available	No data available	No data available
eugenol	-	-	-	-
butanone	No data available	No data available	No data available	No data available
benzyl salicylate	No data available	No data available	No data available	No data available
d-limonene	0.014	0.0014	-	1.8
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	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
isoeugenol	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)
dimethyl ether	0.681	0.069	0.045	-
diethyl phthalate	No data available	No data available	No data available	No data available
ethanol	3.6	2.9	0.63	-
tricyclodecanedimethanol	No data available	No data available	No data available	No data available
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available	No data available	No data available	No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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
ionone, methyl-	No data available	No data available	No data available	No data available
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available	No data available	No data available	No data available
benzyl acetate	No data available	No data available	No data available	No data available
alpha-hexylcinnamaldehyde	No data available	No data available	No data available	No data available
citronellol	No data available	No data available	No data available	No data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available	No data available	No data available	No data available
linalool	No data available	No data available	No data available	No data available
Storax, balsam	No data available	No data available	No data available	No data available

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nerol	No data available	No data available	No data available	No data available
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	-	-	-	-
allyl hexanoate	No data available	No data available	No data available	No data available
[3R-(3 α ,3 α β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (ethoxymethoxy)cyclododecane	No data available	No data available	No data available	No data available
benzyl benzoate	No data available	No data available	No data available	No data available
eugenol	-	-	-	-
butanone	No data available	No data available	No data available	No data available
benzyl salicylate	No data available	No data available	No data available	No data available
d-limonene	3.85	0.385	0.763	-
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	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
isoeugenol	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 are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (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: \geq 480 min Material thickness: \geq 0.7 mm
 Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: \geq 30 min Material thickness: \geq 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:

Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided. 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:

No special requirements under normal use conditions.

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
Physical state: Liquid	
Colour: Clear , Colourless	
Odour: Product specific	
Odour threshold: Not applicable	
Melting point/freezing point (°C): Not determined	Not relevant to classification of this product
Initial boiling point and boiling range (°C): Not determined	See substance data

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
dimethyl ether	-24.8		

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diethyl phthalate	No data available		
ethanol	78.4	Method not given	
tricyclodecanedimethanol	No data available		
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available		
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available		
2-phenylethanol	No data available		
ionone, methyl-	No data available		
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available		
benzyl acetate	No data available		
alpha-hexylcinnamaldehyde	No data available		
citronellol	No data available		
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available		
linalool	No data available		
Storax, balsam	No data available		
nerol	No data available		
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available		
allyl hexanoate	No data available		
[3R-(3 α ,3 β ,7 β ,8 $\alpha\alpha$)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available		
(ethoxymethoxy)cyclododecane	No data available		
benzyl benzoate	No data available		
eugenol	No data available		
butanone	No data available		
benzyl salicylate	No data available		
d-limonene	175-178	Weight of evidence	1013
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available		
7-hydroxycitronellal	No data available		
isoeugenol	No data available		

Method / remark

Flammability (solid, gas): Not applicable to liquids

Flammability (liquid): Not applicable. Not flammable.

Flash point (°C): Not applicable as product is an aerosol

Sustained combustion: Not applicable.

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

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

See substance data

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
dimethyl ether	3.3	26.2
d-limonene	0.7	6.1

Method / remark

Autoignition temperature: Not determined

Decomposition temperature: Not applicable.

pH: Not applicable No information available.

Kinematic viscosity: Not determined

Solubility in / Miscibility with water: Fully miscible

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
dimethyl ether	45.6		25
diethyl phthalate	No data available		
ethanol	No data available		
tricyclodecanedimethanol	No data available		
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available		
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available		
2-phenylethanol	No data available		
ionone, methyl-	No data available		
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available		
benzyl acetate	No data available		
alpha-hexylcinnamaldehyde	No data available		
citronellol	No data available		
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available		
linalool	No data available		
Storax, balsam	No data available		

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nerol	No data available		
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available		
allyl hexanoate	No data available		
[3R-(3 α ,3 $\alpha\beta$,7 β ,8 $\alpha\alpha$)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available		
(ethoxymethoxy)cyclododecane	No data available		
benzyl benzoate	No data available		
eugenol	No data available		
butanone	No data available		
benzyl salicylate	No data available		
d-limonene	Insoluble	Method not given	20
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available		
7-hydroxycitronellal	No data available		
isoeugenol	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)
dimethyl ether	510000		20
diethyl phthalate	No data available		
ethanol	5800	Method not given	
tricyclodecanedimethanol	No data available		
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available		
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available		
2-phenylethanol	No data available		
ionone, methyl-	No data available		
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available		
benzyl acetate	No data available		
alpha-hexylcinnamaldehyde	No data available		
citronellol	No data available		
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available		
linalool	No data available		
Storax, balsam	No data available		
nerol	No data available		
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available		
allyl hexanoate	No data available		
[3R-(3 α ,3 $\alpha\beta$,7 β ,8 $\alpha\alpha$)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available		
(ethoxymethoxy)cyclododecane	No data available		
benzyl benzoate	No data available		
eugenol	No data available		
butanone	No data available		
benzyl salicylate	No data available		
d-limonene	190-230	Method not given	20
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available		
7-hydroxycitronellal	No data available		
isoeugenol	No data available		

Relative density: \approx 0.79 (20 °C)

Relative vapour density: No data available.

Particle characteristics: No data available.

Method / remark

OECD 109 (EU A.3)

Not relevant to classification of this product

Not applicable to liquids.

9.2 Other information**9.2.1 Information with regard to physical hazard classes**

Explosive properties: Vapours may form explosive mixtures with air. Not explosive.

Oxidising properties: Not oxidising.

Corrosion to metals: Not corrosive

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):

ATE - Oral (mg/kg): >2000

ATE - Inhalatory, vapours (mg/l): >20

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)
dimethyl ether		No data available				Not established
diethyl phthalate	LD ₅₀	> 8000	Rat	Method not given		Not established
ethanol	LD ₅₀	5000	Rat	OECD 401 (EU B.1)		Not established
tricyclodecanedimethanol		No data available				120000
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate		No data available				Not established
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available				Not established
2-phenylethanol	LD ₅₀	1790				1790
ionone, methyl-		No data available				Not established
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol		No data available				Not established
benzyl acetate		No data available				Not established
alpha-hexylcinnamaldehyde		3100				Not established
citronellol		No data available				580000
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		> 5000	Rat			Not established
linalool	LD ₅₀	2790	Rat			Not established
Storax, balsam		No data available				Not established
nerol		No data available				1.2e+006
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester		> 5000				Not established
allyl hexanoate		No data available				130000
[3R-(3α,3αβ,7β,8αα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one		No data available				Not established
(ethoxymethoxy)cyclododecane		5000				Not established
benzyl benzoate		No data				130000

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		available				
eugenol	LD ₅₀	> 2000				Not established
butanone	LD ₅₀	3300	Rat	Method not given		3300
benzyl salicylate	LD ₅₀	> 2000		Method not given		Not established
d-limonene	LD ₅₀	4400 - 5100	Rat	Method not given		4400
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available				Not established
7-hydroxycitronellal		No data available				Not established
isoeugenol		No data available				Not established

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
dimethyl ether		No data available				Not established
diethyl phthalate	LD ₅₀	> 10000	Rat	Method not given		Not established
ethanol	LD ₅₀	> 10000	Rabbit	OECD 402 (EU B.3)		Not established
tricyclodecanedimethanol		No data available				Not established
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate		No data available				Not established
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available				Not established
2-phenylethanol	LD ₅₀	2500				2500
ionone, methyl-		No data available				Not established
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol		No data available				Not established
benzyl acetate		No data available				Not established
alpha-hexylcinnamaldehyde		No data available				Not established
citronellol		No data available				420000
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available				Not established
linalool		No data available				Not established
Storax, balsam		No data available				Not established
nerol		No data available				Not established
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester		No data available				Not established
allyl hexanoate		No data available				300000
[3R-(3α,3αβ,7β,8α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (ethoxymethoxy)cyclododecane		No data available				Not established
benzyl benzoate		No data available				Not established
eugenol		No data available				Not established
butanone		No data available				Not established
benzyl salicylate		No data available				Not established
d-limonene	LD ₅₀	> 5000	Rabbit	Method not given		Not established
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available				Not established
7-hydroxycitronellal		No data available				Not established
isoeugenol		No data available				Not established

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
dimethyl ether	LC ₅₀	309	Rat	Method not given	4
diethyl phthalate		No data available			
ethanol	LC ₅₀	> 1800	Rat	Non guideline test	4
tricyclodecanedimethanol		No data available			

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Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available			
2-phenylethanol	No data available			
ionone, methyl-	No data available			
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available			
benzyl acetate	No data available			
alpha-hexylcinnamaldehyde	No data available			
citronellol	No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available			
linalool	No data available			
Storax, balsam	No data available			
nerol	No data available			
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available			
allyl hexanoate	No data available			
[3R-(3α,3αβ,7β,8αα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (ethoxymethoxy)cyclododecane	No data available			
benzyl benzoate	No data available			
eugenol	No data available			
butanone	No data available			
benzyl salicylate	No data available			
d-limonene	No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available			
7-hydroxycitronellal	No data available			
isoeugenol	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)
dimethyl ether	Not established	Not established	Not established	Not established
diethyl phthalate	Not established	Not established	Not established	Not established
ethanol	Not established	Not established	Not established	Not established
tricyclodecanedimethanol	Not established	Not established	Not established	Not established
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	Not established	Not established	Not established	Not established
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	Not established	Not established	Not established	Not established
2-phenylethanol	Not established	Not established	Not established	Not established
ionone, methyl-	Not established	Not established	Not established	Not established
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	Not established	Not established	Not established	Not established
benzyl acetate	Not established	Not established	Not established	Not established
alpha-hexylcinnamaldehyde	Not established	Not established	Not established	Not established
citronellol	Not established	Not established	Not established	Not established
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Not established	Not established	Not established	Not established
linalool	Not established	Not established	Not established	Not established
Storax, balsam	Not established	Not established	Not established	Not established
nerol	Not established	Not established	Not established	Not established
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	Not established	Not established	Not established	Not established
allyl hexanoate	Not established	Not established	19000	Not established
[3R-(3α,3αβ,7β,8αα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (ethoxymethoxy)cyclododecane	Not established	Not established	Not established	Not established
benzyl benzoate	Not established	Not established	Not established	Not established
eugenol	Not established	Not established	Not established	Not established
butanone	Not established	Not established	300000	Not established
benzyl salicylate	Not established	Not established	Not established	Not established

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d-limonene	Not established	Not established	Not established	Not established
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	Not established	Not established	Not established	Not established
7-hydroxycitronellal	Not established	Not established	Not established	Not established
isoeugenol	Not established	Not established	Not established	Not established

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
dimethyl ether	No data available			
diethyl phthalate	No data available			
ethanol	Not irritant	Rabbit	OECD 404 (EU B.4)	
tricyclodecanedimethanol	No data available			
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available			
2-phenylethanol	No data available			
ionone, methyl-	No data available			
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available			
benzyl acetate	No data available			
alpha-hexylcinnamaldehyde	No data available			
citronellol	No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available			
linalool	No data available			
Storax, balsam	No data available			
nerol	No data available			
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available			
allyl hexanoate	No data available			
[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available			
(ethoxymethoxy)cyclododecane	No data available			
benzyl benzoate	No data available			
eugenol	No data available			
butanone	No data available			
benzyl salicylate	No data available			
d-limonene	Irritant	Rabbit	Method not given	
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available			
7-hydroxycitronellal	No data available			
isoeugenol	No data available			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
dimethyl ether	No data available			
diethyl phthalate	No data available			
ethanol	Irritant	Rabbit	OECD 405 (EU B.5)	
tricyclodecanedimethanol	No data available			
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available			
2-phenylethanol	No data available			
ionone, methyl-	No data available			
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available			
benzyl acetate	No data available			
alpha-hexylcinnamaldehyde	No data available			
citronellol	No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available			
linalool	No data available			
Storax, balsam	No data available			
nerol	No data available			
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available			
allyl hexanoate	No data available			
[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available			
(ethoxymethoxy)cyclododecane	No data available			
benzyl benzoate	No data available			
eugenol	No data available			
butanone	No data available			

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benzyl salicylate	No data available		
d-limonene	No data available		
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available		
7-hydroxycitronellal	No data available		
isoeugenol	No data available		

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
dimethyl ether	No data available			
diethyl phthalate	No data available			
ethanol	No data available			
tricyclodecanedimethanol	No data available			
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available			
2-phenylethanol	No data available			
ionone, methyl-	No data available			
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available			
benzyl acetate	No data available			
alpha-hexylcinnamaldehyde	No data available			
citronellol	No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available			
linalool	No data available			
Storax, balsam	No data available			
nerol	No data available			
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available			
allyl hexanoate	No data available			
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available			
(ethoxymethoxy)cyclododecane	No data available			
benzyl benzoate	No data available			
eugenol	No data available			
butanone	No data available			
benzyl salicylate	No data available			
d-limonene	No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available			
7-hydroxycitronellal	No data available			
isoeugenol	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
dimethyl ether	No data available			
diethyl phthalate	No data available			
ethanol	Not sensitising			
tricyclodecanedimethanol	No data available			
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available			
2-phenylethanol	No data available			
ionone, methyl-	No data available			
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available			
benzyl acetate	No data available			
alpha-hexylcinnamaldehyde	No data available			
citronellol	No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available			
linalool	No data available			
Storax, balsam	No data available			
nerol	No data available			
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available			
allyl hexanoate	No data available			
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available			
(ethoxymethoxy)cyclododecane	No data available			
benzyl benzoate	No data available			
eugenol	No data available			
butanone	No data available			

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benzyl salicylate	No data available		
d-limonene	Sensitising	Guinea pig	Method not given
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available		
7-hydroxycitronellal	No data available		
isoeugenol	No data available		

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
dimethyl ether	No data available			
diethyl phthalate	No data available			
ethanol	No data available			
tricyclodecanedimethanol	No data available			
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available			
2-phenylethanol	No data available			
ionone, methyl-	No data available			
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available			
benzyl acetate	No data available			
alpha-hexylcinnamaldehyde	No data available			
citronellol	No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available			
linalool	No data available			
Storax, balsam	No data available			
nerol	No data available			
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available			
allyl hexanoate	No data available			
[3R-(3α,3aβ,7β,8αα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available			
(ethoxymethoxy)cyclododecane	No data available			
benzyl benzoate	No data available			
eugenol	No data available			
butanone	No data available			
benzyl salicylate	No data available			
d-limonene	No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available			
7-hydroxycitronellal	No data available			
isoeugenol	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)
dimethyl ether	No evidence of genotoxicity, negative test results	OECD 471 (EU B.12/13) OECD 473	No data available	
diethyl phthalate	No data available		No data available	
ethanol	No data available		No data available	
tricyclodecanedimethanol	No data available		No data available	
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available		No data available	
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available		No data available	
2-phenylethanol	No data available		No data available	
ionone, methyl-	No data available		No data available	
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available		No data available	
benzyl acetate	No data available		No data available	
alpha-hexylcinnamaldehyde	No data available		No data available	
citronellol	No data available		No data available	
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available		No data available	
linalool	No data available		No data available	
Storax, balsam	No data available		No data available	
nerol	No data available		No data available	
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available		No data available	

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allyl hexanoate	No data available		No data available
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available		No data available
(ethoxymethoxy)cyclododecane	No data available		No data available
benzyl benzoate	No data available		No data available
eugenol	No data available		No data available
butanone	No data available		No data available
benzyl salicylate	No data available		No data available
d-limonene	No data available		No data available
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available		No data available
7-hydroxycitronellal	No data available		No data available
isoeugenol	No data available		No data available

Carcinogenicity

Ingredient(s)	Effect
dimethyl ether	No evidence for carcinogenicity, negative test results
diethyl phthalate	No data available
ethanol	No data available
tricyclodecanedimethanol	No data available
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available
2-phenylethanol	No data available
ionone, methyl-	No data available
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available
benzyl acetate	No data available
alpha-hexylcinnamaldehyde	No data available
citronellol	No data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available
linalool	No data available
Storax, balsam	No data available
nerol	No data available
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available
allyl hexanoate	No data available
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available
(ethoxymethoxy)cyclododecane	No data available
benzyl benzoate	No data available
eugenol	No data available
butanone	No data available
benzyl salicylate	No data available
d-limonene	No data available
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available
7-hydroxycitronellal	No data available
isoeugenol	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
dimethyl ether			No data available				
diethyl phthalate			No data available				
ethanol			No data available				
tricyclodecanedimethanol			No data available				
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate			No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran			No data available				
2-phenylethanol			No data available				
ionone, methyl-			No data available				
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol			No data available				

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benzyl acetate			No data available				
alpha-hexylcinnamaldehyde			No data available				
citronellol			No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one			No data available				
linalool			No data available				
Storax, balsam			No data available				
nerol			No data available				
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester			No data available				
allyl hexanoate			No data available				
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one			No data available				
(ethoxymethoxy)cyclodecane			No data available				
benzyl benzoate			No data available				
eugenol			No data available				
butanone			No data available				
benzyl salicylate			No data available				
d-limonene			No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde			No data available				
7-hydroxycitronellal			No data available				
isoeugenol			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
dimethyl ether		No data available				
diethyl phthalate		No data available				
ethanol		No data available				
tricyclodecanedimethanol		No data available				
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available				
2-phenylethanol		No data available				
ionone, methyl-		No data available				
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)-cyclohexan-1-ol		No data available				
benzyl acetate		No data available				
alpha-hexylcinnamaldehyde		No data available				
citronellol		No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available				
linalool		No data available				
Storax, balsam		No data available				
nerol		No data available				

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Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester		No data available				
allyl hexanoate		No data available				
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (ethoxymethoxy)cyclododecane		No data available				
benzyl benzoate		No data available				
eugenol		No data available				
butanone		No data available				
benzyl salicylate		No data available				
d-limonene		No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available				
7-hydroxycitronellal		No data available				
isoeugenol		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
dimethyl ether		No data available				
diethyl phthalate		No data available				
ethanol		No data available				
tricyclodecanedimethanol		No data available				
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available				
2-phenylethanol		No data available				
ionone, methyl-		No data available				
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)-cyclohexan-1-ol		No data available				
benzyl acetate		No data available				
alpha-hexylcinnamaldehyde		No data available				
citronellol		No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available				
linalool		No data available				
Storax, balsam		No data available				
nerol		No data available				
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester		No data available				
allyl hexanoate		No data available				
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (ethoxymethoxy)cyclododecane		No data available				
benzyl benzoate		No data available				
eugenol		No data available				
butanone		No data available				
benzyl salicylate		No data available				
d-limonene		No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available				
7-hydroxycitronellal		No data available				

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		available				
isoeugenol		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
dimethyl ether		No data available				
diethyl phthalate		No data available				
ethanol		No data available				
tricyclodecanedimethanol		No data available				
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available				
2-phenylethanol		No data available				
ionone, methyl-		No data available				
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)-cyclohexan-1-ol		No data available				
benzyl acetate		No data available				
alpha-hexylcinnamaldehyde		No data available				
citronellol		No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available				
linalool		No data available				
Storax, balsam		No data available				
nerol		No data available				
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester		No data available				
allyl hexanoate		No data available				
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (ethoxymethoxy)cyclododecane		No data available				
benzyl benzoate		No data available				
eugenol		No data available				
butanone		No data available				
benzyl salicylate		No data available				
d-limonene		No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available				
7-hydroxycitronellal		No data available				
isoeugenol		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
dimethyl ether			No data available					
diethyl phthalate			No data available					
ethanol			No data available					
tricyclodecanedimethanol			No data available					
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate			No data available					
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-			No data available					

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ndeno[5,6-c]pyran							
2-phenylethanol			No data available				
ionone, methyl-			No data available				
3- (5,5,6-Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol			No data available				
benzyl acetate			No data available				
alpha-hexylcinnamaldehyde			No data available				
citronellol			No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one			No data available				
linalool			No data available				
Storax, balsam			No data available				
nerol			No data available				
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester			No data available				
allyl hexanoate			No data available				
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one			No data available				
(ethoxymethoxy)cyclododecane			No data available				
benzyl benzoate			No data available				
eugenol			No data available				
butanone			No data available				
benzyl salicylate			No data available				
d-limonene			No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde			No data available				
7-hydroxycitronellal			No data available				
isoeugenol			No data available				

STOT-single exposure

Ingredient(s)	Affected organ(s)
dimethyl ether	No data available
diethyl phthalate	No data available
ethanol	No data available
tricyclodecanedimethanol	No data available
Benzenemethanol, -alpha-(trichloromethyl)-, acetate	No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available
2-phenylethanol	No data available
ionone, methyl-	No data available
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available
benzyl acetate	No data available
alpha-hexylcinnamaldehyde	No data available
citronellol	No data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available
linalool	No data available
Storax, balsam	No data available
nerol	No data available
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available
allyl hexanoate	No data available
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available
(ethoxymethoxy)cyclododecane	No data available

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benzyl benzoate	No data available
eugenol	No data available
butanone	No data available
benzyl salicylate	No data available
d-limonene	No data available
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available
7-hydroxycitronellal	No data available
isoeugenol	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
dimethyl ether	No data available
diethyl phthalate	No data available
ethanol	No data available
tricyclodecanedimethanol	No data available
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available
2-phenylethanol	No data available
ionone, methyl-	No data available
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available
benzyl acetate	No data available
alpha-hexylcinnamaldehyde	No data available
citronellol	No data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available
linalool	No data available
Storax, balsam	No data available
nerol	No data available
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available
allyl hexanoate	No data available
[3R-(3α,3αβ,7β,8αα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-met	No data available
hanoazulen-5-yl)ethan-1-one	No data available
(ethoxymethoxy)cyclododecane	No data available
benzyl benzoate	No data available
eugenol	No data available
butanone	No data available
benzyl salicylate	No data available
d-limonene	No data available
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available
7-hydroxycitronellal	No data available
isoeugenol	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)
dimethyl ether	LC ₅₀	> 4100	<i>Poecilia reticulata</i>		96
diethyl phthalate	LC ₅₀	17	<i>Pimephales</i>	Method not given	96

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			<i>promelas</i>		
ethanol	LC ₅₀	8150	<i>Alburnus alburnus</i>	Method not given	96
tricyclodecanedimethanol	LC ₅₀	100.3	<i>Oncorhynchus mykiss</i>	OECD 203, static	96
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	LC ₀	> 11.37	<i>Brachydanio rerio</i>	OECD 203, static	96
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available			
2-phenylethanol		No data available			
ionone, methyl-		No data available			
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol		No data available			
benzyl acetate		No data available			
alpha-hexylcinnamaldehyde		No data available			
citronellol		No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available			
linalool		No data available			
Storax, balsam		No data available			
nerol		No data available			
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester		No data available			
allyl hexanoate		No data available			
[3R-(3α,3αβ,7β,8αα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one		No data available			
(ethoxymethoxy)cyclododecane		No data available			
benzyl benzoate	LC ₅₀	2.32	<i>Brachydanio rerio</i>	OECD 203, semi-static	96
eugenol		No data available			
butanone	LC ₅₀	3220	<i>Pimephales promelas</i>	Method not given	96
benzyl salicylate		No data available			
d-limonene	LC ₅₀	0.72	<i>Pimephales promelas</i>	OECD 203 (EU C.1)	96
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			
7-hydroxycitronellal		No data available			
isoeugenol		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
dimethyl ether	EC ₅₀	> 4400	<i>Daphnia magna Straus</i>		48
diethyl phthalate	EC ₅₀	> 40	<i>Daphnia magna Straus</i>	Method not given	24
ethanol	EC ₅₀	5012	<i>Daphnia magna Straus</i>	Method not given	48
tricyclodecanedimethanol	EC ₅₀	> 100	<i>Daphnia magna Straus</i>	OECD 202, static	48
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	EC ₅₀	16.8	<i>Daphnia</i>	OECD 202, static	48
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available			
2-phenylethanol		No data available			
ionone, methyl-		No data available			
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol		No data available			
benzyl acetate		No data available			
alpha-hexylcinnamaldehyde		No data available			
citronellol		No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data			

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		available			
linalool		No data available			
Storax, balsam		No data available			
nerol		No data available			
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester		No data available			
allyl hexanoate		No data available			
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (ethoxymethoxy)cyclododecane		No data available			
benzyl benzoate	LC ₅₀	3.09	<i>Daphnia magna Straus</i>	OECD 202, static	48
eugenol		No data available			
butanone	EC ₅₀	5091	<i>Daphnia magna Straus</i>	Method not given	48
benzyl salicylate		No data available			
d-limonene	EC ₅₀	0.36	<i>Daphnia magna Straus</i>	OECD 202 (EU C.2)	48
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			
7-hydroxycitronellal		No data available			
isoeugenol		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
dimethyl ether	EC ₅₀	154.9		QSAR	96
diethyl phthalate		No data available			
ethanol	EC ₅₀	675	<i>Scenedesmus quadricauda</i> Not specified	Method not given	72
tricyclodecanedimethanol	EC ₅₀	> 100	<i>Pseudokirchneriella subcapitata</i>	OECD 201, static	72
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	EC ₅₀	3.4	<i>Desmodesmus subspicatus</i>	OECD 201, static	72
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available			
2-phenylethanol		No data available			
ionone, methyl-		No data available			
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol		No data available			
benzyl acetate		No data available			
alpha-hexylcinnamaldehyde		No data available			
citronellol		No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available			
linalool		No data available			
Storax, balsam		No data available			
nerol		No data available			
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester		No data available			
allyl hexanoate		No data available			
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (ethoxymethoxy)cyclododecane		No data available			
benzyl benzoate	EC ₅₀	0.475	<i>Pseudokirchneriella subcapitata</i>	OECD 201, static	72
eugenol		No data			

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		available			
butanone	IC ₅₀	4300	<i>Scenedesmus quadricauda</i>	Method not given	168
benzyl salicylate		No data available			
d-limonene	E _r C ₅₀	150	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			
7-hydroxycitronellal		No data available			
isoeugenol		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
dimethyl ether		No data available			
diethyl phthalate		No data available			
ethanol		No data available			
tricyclodecanedimethanol		No data available			
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available			
2-phenylethanol		No data available			
ionone, methyl-		No data available			
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol		No data available			
benzyl acetate		No data available			
alpha-hexylcinnamaldehyde		No data available			
citronellol		No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available			
linalool		No data available			
Storax, balsam		No data available			
nerol		No data available			
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester		No data available			
allyl hexanoate		No data available			
[3R-(3 α ,3 $\alpha\beta$,7 β ,8 $\alpha\alpha$)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (ethoxymethoxy)cyclododecane		No data available			
benzyl benzoate		No data available			
eugenol		No data available			
butanone		No data available			
benzyl salicylate		No data available			
d-limonene		No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			
7-hydroxycitronellal		No data available			
isoeugenol		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
dimethyl ether	EC ₁₀	> 1600	<i>Pseudomonas putida</i>	Method not given	
diethyl phthalate		No data			

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		available			
ethanol	EC ₀	6500	<i>Pseudomonas putida</i>	Method not given	16 hour(s)
tricyclodecanedimethanol		No data available			
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available			
2-phenylethanol		No data available			
ionone, methyl-		No data available			
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol		No data available			
benzyl acetate		No data available			
alpha-hexylcinnamaldehyde		No data available			
citronellol		No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available			
linalool		No data available			
Storax, balsam		No data available			
nerol		No data available			
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester		No data available			
allyl hexanoate		No data available			
[3R-(3α,3αβ,7β,8αα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (ethoxymethoxy)cyclododecane		No data available			
benzyl benzoate		No data available			
eugenol		No data available			
butanone	EC ₅	1150	<i>Pseudomonas putida</i>	Method not given	16 hour(s)
benzyl salicylate		No data available			
d-limonene		No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			
7-hydroxycitronellal		No data available			
isoeugenol		No data available			

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
dimethyl ether		No data available				
diethyl phthalate		No data available				
ethanol		No data available				
tricyclodecanedimethanol		No data available				
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available				
2-phenylethanol		No data available				
ionone, methyl-		No data available				
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol		No data available				
benzyl acetate		No data available				
alpha-hexylcinnamaldehyde		No data available				
citronellol		No data				

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		available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available				
linalool		No data available				
Storax, balsam		No data available				
nerol		No data available				
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester		No data available				
allyl hexanoate		No data available				
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one		No data available				
(ethoxymethoxy)cyclododecane		No data available				
benzyl benzoate		No data available				
eugenol		No data available				
butanone		No data available				
benzyl salicylate		No data available				
d-limonene		No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available				
7-hydroxycitronellal		No data available				
isoeugenol		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
dimethyl ether		No data available				
diethyl phthalate		No data available				
ethanol		No data available				
tricyclodecanedimethanol		No data available				
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available				
2-phenylethanol		No data available				
ionone, methyl-		No data available				
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)-cyclohexan-1-ol		No data available				
benzyl acetate		No data available				
alpha-hexylcinnamaldehyde		No data available				
citronellol		No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available				
linalool		No data available				
Storax, balsam		No data available				
nerol		No data available				
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester		No data available				
allyl hexanoate		No data available				
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one		No data available				
(ethoxymethoxy)cyclododecane		No data available				
benzyl benzoate		No data available				
eugenol		No data available				

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butanone		No data available				
benzyl salicylate		No data available				
d-limonene		No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available				
7-hydroxycitronellal		No data available				
isoeugenol		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
dimethyl ether		No data available				
diethyl phthalate		No data available				
ethanol		No data available				
tricyclodecanedimethanol		No data available				
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available				
2-phenylethanol		No data available				
ionone, methyl-		No data available				
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)-cyclohexan-1-ol		No data available				
benzyl acetate		No data available				
alpha-hexylcinnamaldehyde		No data available				
citronellol		No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available				
linalool		No data available				
Storax, balsam		No data available				
nerol		No data available				
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester		No data available				
allyl hexanoate		No data available				
[3R-(3α,3αβ,7β,8αα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one		No data available				
(ethoxymethoxy)cyclododecane		No data available				
benzyl benzoate		No data available				
eugenol		No data available				
butanone		No data available				
benzyl salicylate		No data available				
d-limonene		No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available				
7-hydroxycitronellal		No data available				
isoeugenol		No data available				

Terrestrial toxicity

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

Terrestrial toxicity - plants, if available:

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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
dimethyl ether	Activated sludge, aerobe	Oxygen depletion	5 % in 28 day(s)	OECD 301D	Not readily biodegradable.
diethyl phthalate				OECD 301B	Readily biodegradable
ethanol	Activated sludge, aerobe	Oxygen depletion	> 60% in 10 day(s)	OECD 301B	Readily biodegradable
tricyclodecanedimethanol	Activated sludge, aerobe	CO ₂ production	0% in 28 day(s)	OECD 301B	Not readily biodegradable.
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate		Oxygen depletion	76% in 28 day(s)	OECD 301D	Readily biodegradable
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran				OECD 301B	Not readily biodegradable.
2-phenylethanol	Activated sludge, aerobe		78.61%	OECD 301B	Readily biodegradable
ionone, methyl-				OECD 301F	Readily biodegradable
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol					Not readily biodegradable.
benzyl acetate	Activated sludge, aerobe	CO ₂ production	100.9% in 28 day(s)	OECD 301B	Readily biodegradable
alpha-hexylcinnamaldehyde					Not readily biodegradable.
citronellol	Activated sludge, aerobe	CO ₂ production		OECD 301F	Readily biodegradable
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one				OECD 301B	Not readily biodegradable.
linalool	Activated sludge, aerobe	Oxygen depletion	64.2% in 28 day(s)	OECD 301D	Readily biodegradable
Storax, balsam					No data available
nerol				OECD 301D	Readily biodegradable
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	Activated sludge, aerobe	Oxygen depletion	63% in 28 day(s)	OECD 301F	Readily biodegradable
allyl hexanoate	Activated sludge, aerobe	Oxygen depletion	70% in 28 day(s)	OECD 301F	Readily biodegradable
[3R-(3α,3αβ,7β,8α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one				OECD 301F	Not readily biodegradable.
(ethoxymethoxy)cyclododecane	Activated sludge, aerobe	CO ₂ production	< 5% in 28 day(s)	OECD 301B	Not readily biodegradable.
benzyl benzoate				OECD 301F	Readily biodegradable
eugenol					Readily biodegradable
butanone				OECD 301D	Readily biodegradable
benzyl salicylate				OECD 301F	Readily biodegradable
d-limonene			80 % in 28 day(s)	OECD 301D	Readily biodegradable
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde			> 60% in 28 day(s)	OECD 301C	Readily biodegradable
7-hydroxycitronellal				OECD 301F	Readily biodegradable
isoeugenol		Oxygen depletion	79% in 28 day(s)	OECD 301F	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
dimethyl ether	0.07	Method not given	No bioaccumulation expected	at 25 °C

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diethyl phthalate	No data available			
ethanol	-0.31	Weight of evidence	No bioaccumulation expected	
tricyclodecanedimethanol	No data available			
Benzenemethanol, alpha-(trichloromethyl)-, acetate	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available			
2-phenylethanol	No data available			
ionone, methyl-	No data available			
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available			
benzyl acetate	No data available			
alpha-hexylcinnamaldehyde	No data available			
citronellol	No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available			
linalool	No data available			
Storax, balsam	No data available			
nerol	No data available			
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available			
allyl hexanoate	No data available			
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available			
(ethoxymethoxy)cyclododecane	No data available			
benzyl benzoate	No data available			
eugenol	No data available			
butanone	No data available			
benzyl salicylate	No data available			
d-limonene	No data available		High potential for bioaccumulation	
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available			
7-hydroxycitronellal	No data available			
isoeugenol	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
dimethyl ether	No data available				
diethyl phthalate	No data available				
ethanol	0.5		Weight of evidence	No bioaccumulation expected	
tricyclodecanedimethanol	No data available				
Benzenemethanol, alpha-(trichloromethyl)-, acetate	No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available				
2-phenylethanol	No data available				
ionone, methyl-	No data available				
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available				
benzyl acetate	No data available				
alpha-hexylcinnamaldehyde	No data available				
citronellol	No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available				
linalool	No data available				
Storax, balsam	No data available				
nerol	No data available				
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available				
allyl hexanoate	No data available				
[3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydr	No data available				

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o-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one					
(ethoxymethoxy)cyclododecane	No data available				
benzyl benzoate	No data available				
eugenol	No data available				
butanone	No data available				
benzyl salicylate	No data available				
d-limonene	683.1		Method not given	High potential for bioaccumulation	
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available				
7-hydroxycitronellal	No data available				
isoeugenol	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
dimethyl ether	No data available				
diethyl phthalate	No data available				
ethanol	No data available				
tricyclodecanedimethanol	No data available				
Benzenemethanol, .alpha.-(trichloromethyl)-, acetate	No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available				
2-phenylethanol	No data available				
ionone, methyl-	No data available				
3- (5,5,6- Trimethylbicyclo [2.2.1] hept -2-yl)- cyclohexan-1-ol	No data available				
benzyl acetate	No data available				
alpha-hexylcinnamaldehyde	No data available				
citronellol	No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available				
linalool	No data available				
Storax, balsam	No data available				
nerol	No data available				
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No data available				
allyl hexanoate	No data available				
[3R-(3α,3β,7β,8α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	No data available				
(ethoxymethoxy)cyclododecane	No data available				
benzyl benzoate	No data available				
eugenol	No data available				
butanone	No data available				
benzyl salicylate	No data available				
d-limonene	No data available				High potential for mobility in soil
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available				
7-hydroxycitronellal	No data available				
isoeugenol	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**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

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European Waste Catalogue:	material is suitable for energy recovery or recycling in line with local legislation. 16 05 04* - gases in pressure containers (including halons) containing dangerous substances.
Empty packaging Recommendation:	Dispose of observing national or local regulations.
Suitable cleaning agents:	Water, if necessary with cleaning agent.

SECTION 14: Transport information



Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number: 1950

14.2 UN proper shipping name:

Aerosols

14.3 Transport hazard class(es):

Transport hazard class (and subsidiary risks): 2.1

14.4 Packing group: -

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: 5F

Tunnel restriction code: (D)

Hazard identification number: -

IMO/IMDG

EmS: F-D, S-U

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code. According to special provision 190, aerosols with a capacity not exceeding 50ml containing only non-toxic constituents are not subject to the requirements of ADR or the provisions of the IMDG code.

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: P3a - FLAMMABLE AEROSOLS

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: MSDS5003

Version: 02.3

Revision: 2023-03-17

Good Sense Magnolia & Mimosa O1b**Reason for revision:**

Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006

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
- H220 - Extremely flammable gas.
- H225 - Highly flammable liquid and vapour.
- H226 - Flammable liquid and vapour.
- H280 - Contains gas under pressure; may explode if heated.
- H302 - Harmful if swallowed.
- H304 - May be fatal if swallowed and enters airways.
- H312 - Harmful in contact with skin.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H320 - Causes eye irritation.
- H331 - Toxic if inhaled.
- H335 - May cause respiratory irritation.
- H336 - May cause drowsiness or dizziness.
- 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.
- EUH066 - Repeated exposure may cause skin dryness or cracking.

End of Safety Data Sheet