

Good Sense Magnolia & Mimosa O1b

Revision: 2012-10-08

Version 01

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

1.1 Product identifier

Trade name: Good Sense Magnolia & Mimosa O1b

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

Identified uses:

AISE-C17 - Air fresheners aerosol

Uses advised against Uses other than those identified are not recommended

1.3 Details of the supplier of the safety data sheet

Diversey Ltd

Contact details

Weston Favell Centre, Northampton NN3 8PD, United Kingdom

Tel: 01604 405311, Fax: 01604 406809

Regulatory Email: MSDSinfoUK@sealedair.com

1.4 Emergency telephone number

For medical or environmental emergency only:

call 0800 052 0185

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified and labelled in accordance with Directive 1999/45/EC and corresponding national legislation.

Indication of danger

Xi - Irritant

F+ - Extremely flammable

Risk phrases:

R12 - Extremely flammable.

R43 - May cause sensitisation by skin contact.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements



Xi - Irritant

F+ - Extremely flammable

Contains alpha-hexylcinnamaldehyde

Risk phrases:

R12 - Extremely flammable.

R43 - May cause sensitisation by skin contact.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

S 9 - Keep container in a well-ventilated place.

S24 - Avoid contact with skin.

S37 - Wear suitable gloves.

S61b - Avoid release to the environment. Refer to safety data sheet.

Further indications on the label:

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Keep away from sources of ignition - No smoking.

Keep out of the reach of children.

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2.3 Other hazards

No other hazards known. The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Classification (EC) 1272/2008	Notes	Weight percent
dimethyl ether	204-065-8	115-10-6	No data available	F+; R12	Flam. Gas 1 (H220) Press. Gas (H280)		30-50
ethanol	200-578-6	64-17-5	No data available	F; R11	Flam. Liq. 2 (H225)		10-20
diethyl phthalate	201-550-6	84-66-2	No data available	Xn; R20	Acute Tox. 4 (H332)		3-10
ionone, methyl-	215-635-0	1335-46-2	No data available	N; R51/53	Aquatic Chronic 2 (H411)		1-3
tricyclodecanedimethanol	248-096-5	26896-48-0	No data available	Xi; R36	Eye Irrit. 2 (H319)		1-3
2-phenylethanol	200-456-2	60-12-8	No data available	Xi; R36	Eye Irrit. 2 (H319)		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	No data available	N; R50/53	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		1-3
alpha-hexylcinnamaldehyde	202-983-3	101-86-0	No data available	Xi; R43	Skin Sens. 1 (H317)		1-3
citronellol	203-375-0	106-22-9	No data available	Xi,N; R38-43-51/53	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)		0.1-1
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	204-846-3	127-51-5	No data available	Xi; R43-52/53	Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)		0.1-1
linalool	201-134-4	78-70-6	No data available	Xi; R38-43	Skin Irrit. 2 (H315) Skin Sens. 1 (H317)		0.1-1
benzyl benzoate	204-402-9	120-51-4	No data available	Xn,N; R22-51/53	Acute Tox. 4 (H302) Aquatic Chronic 2 (H411)		0.1-1
allyl hexanoate	204-642-4	123-68-2	No data available	Xn,N; R21/22-38-51/53	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411)		0.1-1
eugenol	202-589-1	97-53-0	No data available	Xi; R36-43	Eye Irrit. 2 (H319) Skin Sens. 1 (H317)		0.1-1
[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	251-020-3	32388-55-9	No data available	N; R50/53	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		0.1-1
benzyl salicylate	204-262-9	118-58-1	No data available	Xi,N; R43-51/53	Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)		0.1-1
d-limonene	227-813-5	5989-27-5	01-2119529223-47	Xi,N; R10-38-43-50/53	Flam. Liq. 3 (H226) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Skin Irrit. 2 (H315) Skin Sens. 1 (H317)		0.1-1
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	250-863-4	31906-04-4	No data available	Xi; R43-52/53	Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)		0.1-1

* Polymer.

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

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

[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.

[2] Exempted: included in Annex IV of Regulation (EC) No 1907/2006.

[3] Exempted: Annex V of Regulation (EC) No 1907/2006.

[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation**Skin contact****Eye contact****Ingestion**

Remove from source of exposure. If discomfort persists, obtain medical attention.

Rinse with plenty of water. Take off all contaminated clothing immediately. If irritation develops get medical attention.

Wash off immediately with plenty of water. Get medical attention.

Remove material from mouth. Immediately drink 1-2 glasses of water or milk. If large amounts swallowed or symptoms develop, get medical attention.

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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 Very high concentrations may cause asphyxia or narcosis.
Skin contact Direct contact can damage skin by freezing.
Eye contact Direct contact can damage the eye by freezing.
Ingestion Unlikely to be harmful unless excessive amount ingested.
Sensitisation May cause sensitisation by skin contact.

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

Cool endangered packaging with water spray jet.

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

No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Absorb liquid components with liquid-binding material.

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

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. For advice on general occupational hygiene see subsection 8.2. For environmental exposure controls see subsection 8.2. For incompatible materials see subsection 10.5.

Prevention of fire and explosion

Keep away from sources of ignition - No smoking. BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50°. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms / facilities:

In accordance with local and national regulations.

Combined storage in storage rooms / facilities:

In accordance with local and national regulations. For incompatible materials see subsection 10.5.

Basic storage conditions

For conditions to avoid see subsection 10.4.

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)

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dimethyl ether	400 ppm 766 mg/m ³	500 ppm 958 mg/m ³
ethanol	1000 ppm 1920 mg/m ³	3000 ppm 5760 mg/m ³
diethyl phthalate	5 mg/m ³	10 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 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	No data available	No data available	No data available	No data available
ethanol	No data available	No data available	No data available	No data available
diethyl phthalate	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
tricyclodecanedimethanol	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
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
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
benzyl benzoate	No data available	No data available	No data available	No data available
allyl hexanoate	No data available	No data available	No data available	No data available
eugenol	No data available	No data available	No data available	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	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	No data available	No data available	No data available	4.76
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available	No data available	No data available	No data available

DNEL 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	No data available	No data available
ethanol	No data available	No data available	No data available	No data available
diethyl phthalate	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
tricyclodecanedimethanol	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
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
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
benzyl benzoate	No data available	No data available	No data available	No data available
allyl hexanoate	No data available	No data available	No data available	No data available
eugenol	No data available	No data available	No data available	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	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	No data available	No data available
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available	No data available	No data available	No data available

DNEL 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	No data available	No data available
ethanol	No data available	No data available	No data available	No data available
diethyl phthalate	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
tricyclodecanedimethanol	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
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
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
benzyl benzoate	No data available	No data available	No data available	No data available
allyl hexanoate	No data available	No data available	No data available	No data available

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eugenol	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
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	No data available	No data available
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available	No data available	No data available	No data available

DNEL 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	No data available	No data available	No data available	No data available
ethanol	No data available	No data available	No data available	No data available
diethyl phthalate	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
tricyclodecanedimethanol	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
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
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
benzyl benzoate	No data available	No data available	No data available	No data available
allyl hexanoate	No data available	No data available	No data available	No data available
eugenol	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
benzyl salicylate	No data available	No data available	No data available	No data available
d-limonene	No data available	No data available	No data available	33.3
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available	No data available	No data available	No data available

DNEL 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	No data available	No data available	No data available	No data available
ethanol	No data available	No data available	No data available	No data available
diethyl phthalate	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
tricyclodecanedimethanol	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
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
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
benzyl benzoate	No data available	No data available	No data available	No data available
allyl hexanoate	No data available	No data available	No data available	No data available
eugenol	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
benzyl salicylate	No data available	No data available	No data available	No data available
d-limonene	No data available	No data available	No data available	8.33
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	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	No data available	No data available	No data available	No data available
ethanol	No data available	No data available	No data available	No data available
diethyl phthalate	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
tricyclodecanedimethanol	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
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
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
benzyl benzoate	No data available	No data available	No data available	No data available
allyl hexanoate	No data available	No data available	No data available	No data available
eugenol	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
benzyl salicylate	No data available	No data available	No data available	No data available
d-limonene	0.0054	0.00054	No data available	1.8
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available	No data available	No data available	No data available

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Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m ³)
dimethyl ether	No data available	No data available	No data available	No data available
ethanol	No data available	No data available	No data available	No data available
diethyl phthalate	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
tricyclodecanedimethanol	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
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
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
benzyl benzoate	No data available	No data available	No data available	No data available
allyl hexanoate	No data available	No data available	No data available	No data available
eugenol	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	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	1.32	0.13	0.262	No data available
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available	No data available	No data available	No data available

8.2 Exposure controls**General health and safety measures**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Take off immediately all contaminated clothing. Wash hands before breaks and at the end of workday. Avoid contact with skin and eyes.

The following information applies for the uses indicated in subsection 1.2.

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: No special requirements under normal use conditions.
Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

Personal protective equipment**Eye / face protection:****Hand protection:**

No special requirements under normal use conditions.

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:**Respiratory protection:**

No special requirements under normal use conditions.

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

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****Physical State:**

Aerosol

Colour

Colourless

Odour

Perfumed

pH:

Not applicable.

Boiling point/range (°C):

Not applicable as product is an aerosol

Flash point (°C):

Not applicable as product is an aerosol

Flammability

Extremely flammable.

Specific gravity:

0.789 g/cm³ (20°C)

Solubility in / Miscibility with

Water: Fully miscible

Explosive properties

Not explosive. Vapours may form explosive mixtures with air.

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Oxidising properties: Not oxidising.

9.2 Other information

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

Keep away from heat and direct sunlight. Keep container in a well-ventilated place.

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 toxicological effects

Mixtures

No test data is available on the mixture

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)
dimethyl ether		No data available			
ethanol	LD ₅₀	5000	Rat	OECD 401 (EU B.1)	
diethyl phthalate		No data available			
ionone, methyl-		No data available			
tricyclodecanedimethanol		No data available			
2-phenylethanol		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		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			
benzyl benzoate		No data available			
allyl hexanoate		No data available			
eugenol		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			
benzyl salicylate		No data available			
d-limonene	LD ₅₀	4400 - 5100	Rat	Method not given	
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
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dimethyl ether		No data available		
ethanol	LD ₅₀	> 10000	Rabbit	OECD 402 (EU B.3)
diethyl phthalate		No data available		
ionone, methyl-		No data available		
tricyclodecanedimethanol		No data available		
2-phenylethanol		No data available		
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		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		
benzyl benzoate		No data available		
allyl hexanoate		No data available		
eugenol		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		
benzyl salicylate		No data available		
d-limonene	LD ₅₀	> 5000	Rabbit	Method not given
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available		

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
dimethyl ether		No data available			
ethanol	LC ₅₀	> 1800	Rat	Non guideline test	4
diethyl phthalate		No data available			
ionone, methyl-		No data available			
tricyclodecanedimethanol		No data available			
2-phenylethanol		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		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			
benzyl benzoate		No data available			
allyl hexanoate		No data available			
eugenol		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			
benzyl salicylate		No data available			
d-limonene		No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
dimethyl ether	No data available			
ethanol	No data available			

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diethyl phthalate	No data available			
ionone, methyl-	No data available			
tricyclodecanedimethanol	No data available			
2-phenylethanol	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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			
benzyl benzoate	No data available			
allyl hexanoate	No data available			
eugenol	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			
benzyl salicylate	No data available			
d-limonene	Irritant	Rabbit	Method not given	
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
dimethyl ether	No data available			
ethanol	No data available			
diethyl phthalate	No data available			
ionone, methyl-	No data available			
tricyclodecanedimethanol	No data available			
2-phenylethanol	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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			
benzyl benzoate	No data available			
allyl hexanoate	No data available			
eugenol	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			
benzyl salicylate	No data available			
d-limonene	No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
dimethyl ether	No data available			
ethanol	No data available			
diethyl phthalate	No data available			
ionone, methyl-	No data available			
tricyclodecanedimethanol	No data available			
2-phenylethanol	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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			
benzyl benzoate	No data available			
allyl hexanoate	No data available			
eugenol	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			

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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			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
dimethyl ether	No data available			
ethanol	No data available			
diethyl phthalate	No data available			
ionone, methyl-	No data available			
tricyclodecanedimethanol	No data available			
2-phenylethanol	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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			
benzyl benzoate	No data available			
allyl hexanoate	No data available			
eugenol	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			
benzyl salicylate	No data available			
d-limonene	Sensitising	Guinea pig	Method not given	
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
dimethyl ether	No data available			
ethanol	No data available			
diethyl phthalate	No data available			
ionone, methyl-	No data available			
tricyclodecanedimethanol	No data available			
2-phenylethanol	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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			
benzyl benzoate	No data available			
allyl hexanoate	No data available			
eugenol	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			
benzyl salicylate	No data available			
d-limonene	No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	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				
ethanol		No data available				
diethyl phthalate		No data available				
ionone, methyl-		No data available				
tricyclodecanedimethanol		No data available				

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2-phenylethanol		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		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				
benzyl benzoate		No data available				
allyl hexanoate		No data available				
eugenol		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		No data available				
benzyl salicylate		No data available				
d-limonene		No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		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				
ethanol		No data available				
diethyl phthalate		No data available				
ionone, methyl-		No data available				
tricyclodecanedimethanol		No data available				
2-phenylethanol		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		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				
benzyl benzoate		No data available				
allyl hexanoate		No data available				
eugenol		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		No data available				
benzyl salicylate		No data available				
d-limonene		No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		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				
ethanol		No data available				
diethyl phthalate		No data available				
ionone, methyl-		No data available				
tricyclodecanedimethanol		No data available				

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2-phenylethanol		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		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				
benzyl benzoate		No data available				
allyl hexanoate		No data available				
eugenol		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		No data available				
benzyl salicylate		No data available				
d-limonene		No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		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					
ethanol			No data available					
diethyl phthalate			No data available					
ionone, methyl-			No data available					
tricyclodecanedimethanol			No data available					
2-phenylethanol			No data available					
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran			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					
benzyl benzoate			No data available					
allyl hexanoate			No data available					
eugenol			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			No data available					
benzyl salicylate			No data available					
d-limonene			No data available					
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde			No data available					

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mixture data:

Based on available data, the classification criteria are not met.

Substance data, where relevant and available

Carcinogenicity

Ingredient(s)	Effect
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dimethyl ether	No data available
ethanol	No data available
diethyl phthalate	No data available
ionone, methyl-	No data available
tricyclodecanedimethanol	No data available
2-phenylethanol	No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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
benzyl benzoate	No data available
allyl hexanoate	No data available
eugenol	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
benzyl salicylate	No data available
d-limonene	No data available
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
dimethyl ether	No data available		No data available	
ethanol	No data available		No data available	
diethyl phthalate	No data available		No data available	
ionone, methyl-	No data available		No data available	
tricyclodecanedimethanol	No data available		No data available	
2-phenylethanol	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	
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	
benzyl benzoate	No data available		No data available	
allyl hexanoate	No data available		No data available	
eugenol	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	
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	

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				
ethanol			No data available				
diethyl phthalate			No data available				

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ionone, methyl-			No data available				
tricyclodecanedimethanol			No data available				
2-phenylethanol			No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran			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				
benzyl benzoate			No data available				
allyl hexanoate			No data available				
eugenol			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				
benzyl salicylate			No data available				
d-limonene			No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde			No data available				

Potential adverse health effects and symptoms

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

SECTION 12: Ecological information**12.1 Toxicity**

Mixtures

No test 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		No data available			
ethanol	LC ₅₀	8150	Alburnus alburnus	Method not given	96
diethyl phthalate		No data available			
ionone, methyl-		No data available			
tricyclodecanedimethanol		No data available			
2-phenylethanol		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		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			
benzyl benzoate		No data available			
allyl hexanoate		No data available			
eugenol		No data available			

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[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			
benzyl salicylate		No data available			
d-limonene	LC ₅₀	0.72	Pimephales promelas	OECD 203	96
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
dimethyl ether		No data available			
ethanol	EC ₅₀	9268 - 14221	Daphnia magna Straus	Method not given	48
diethyl phthalate		No data available			
ionone, methyl-		No data available			
tricyclodecanedimethanol		No data available			
2-phenylethanol		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		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			
benzyl benzoate		No data available			
allyl hexanoate		No data available			
eugenol		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			
benzyl salicylate		No data available			
d-limonene	EC ₅₀	0.36	Daphnia magna Straus	OECD 202	48
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
dimethyl ether		No data available			
ethanol	EC ₀	5000	Scenedesmus quadricauda	Method not given	168
diethyl phthalate		No data available			
ionone, methyl-		No data available			
tricyclodecanedimethanol		No data available			
2-phenylethanol		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		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			
benzyl benzoate		No data available			
allyl hexanoate		No data available			
eugenol		No data available			

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[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			
benzyl salicylate		No data available			
d-limonene	EC ₅₀	150	Desmodesmus subspicatus	OECD 201	72
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		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			
ethanol		No data available			
diethyl phthalate		No data available			
ionone, methyl-		No data available			
tricyclodecanedimethanol		No data available			
2-phenylethanol		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		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			
benzyl benzoate		No data available			
allyl hexanoate		No data available			
eugenol		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			
benzyl salicylate		No data available			
d-limonene		No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
dimethyl ether		No data available			
ethanol	EC ₀	6500	Pseudomonas putida	Method not given	16 hour(s)
diethyl phthalate		No data available			
ionone, methyl-		No data available			
tricyclodecanedimethanol		No data available			
2-phenylethanol		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		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			
benzyl benzoate		No data available			
allyl hexanoate		No data available			
eugenol		No data available			

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[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			
benzyl salicylate		No data available			
d-limonene		No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		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				
ethanol		No data available				
diethyl phthalate		No data available				
ionone, methyl-		No data available				
tricyclodecanedimethanol		No data available				
2-phenylethanol		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		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				
benzyl benzoate		No data available				
allyl hexanoate		No data available				
eugenol		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				
benzyl salicylate		No data available				
d-limonene		No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		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				
ethanol		No data available				
diethyl phthalate		No data available				
ionone, methyl-		No data available				
tricyclodecanedimethanol		No data available				
2-phenylethanol		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		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				
benzyl benzoate		No data available				
allyl hexanoate		No data available				
eugenol		No data available				

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

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

Terrestrial toxicity

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

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

12.2 Persistence and degradability**Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
dimethyl ether					No data available
ethanol					No data available
diethyl phthalate					No data available
ionone, methyl-					No data available
tricyclodecanedimethanol					No data available
2-phenylethanol					No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran					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
benzyl benzoate					No data available
allyl hexanoate					No data available
eugenol					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
benzyl salicylate					No data available
d-limonene			80% in 28 day(s)	OECD 301D	Readily biodegradable
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde					No data available

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 K_{ow})

Ingredient(s)	Value	Method	Evaluation	Remark
dimethyl ether	No data available			
ethanol	No data available			
diethyl phthalate	No data available			
ionone, methyl-	No data available			

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tricyclodecanedimethanol	No data available			
2-phenylethanol	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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			
benzyl benzoate	No data available			
allyl hexanoate	No data available			
eugenol	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			
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			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
dimethyl ether	No data available				
ethanol	No data available				
diethyl phthalate	No data available				
ionone, methyl-	No data available				
tricyclodecanedimethanol	No data available				
2-phenylethanol	No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	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				
benzyl benzoate	No data available				
allyl hexanoate	No data available				
eugenol	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				
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				

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				
ethanol	No data available				
diethyl phthalate	No data available				
ionone, methyl-	No data available				
tricyclodecanedimethanol	No data available				
2-phenylethanol	No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available				
alpha-hexylcinnamaldehyde	No data available				

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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				
benzyl benzoate	No data available				
allyl hexanoate	No data available				
eugenol	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				
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				

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 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Waste from residues / unused products Dispose of in compliance with all Federal, state, provincial, and local laws and regulations.
European Waste Catalogue: 16 05 04* - gases in pressure containers (including halons) containing dangerous substances.

Empty packaging

Recommendation: Dispose of observing national or local regulations.

SECTION 14: Transport information**ADR, RID, ADN, IMO/IMDG, ICAO/IATA**

14.1 UN number: 1950

14.2 UN proper shipping name:
Aerosols

14.3 Transport hazard class(es):
Class: 2
Label(s): 2.1

14.4 Packing group: -

14.5 Environmental hazards:
Environmentally hazardous: No
Marine pollutant: No

14.6 Special precautions for user: None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: 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**

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Ingredients according to EC Detergents Regulation 648/2004

perfumes, Hexyl Cinnamal, Citronellol, Alpha-Isomethyl Ionone, Linalool, Benzyl Benzoate, Eugenol, Benzyl Salicylate, Limonene, Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde, Benzyl Alcohol, Cinnamyl Alcohol, Isoeugenol, Citral, Geraniol

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

MSDS code: MSDS5003

Version 01

Revision: 2012-10-08

Reason for revision:

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

Full text of the R, H and EUH phrases mentioned in section 3

- R20 - Harmful by inhalation.
- R36 - Irritating to eyes.
- R43 - May cause sensitisation by skin contact.
- R38 - Irritating to skin.
- R22 - Harmful if swallowed.
- R10 - Flammable.
- R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R21/22 - Harmful in contact with skin and if swallowed.
- 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.
- H312 - Harmful in contact with skin.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H332 - Harmful if inhaled.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- H411 - Toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative

End of Safety Data Sheet