

## Taski Tapi Deo C9a

Revision: 2012-10-05

Version 03

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

#### 1.1 Product identifier

Trade name: Taski Tapi Deo C9a

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

##### Identified uses:

AISE-C18 - Air fresheners non-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

#### Risk phrases:

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

Contains linalool

#### Risk phrases:

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:

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:

Contains linalool, d-limonene, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one, benzyl salicylate, coumarin, eugenol, 4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde, isoeugenol, 2-methoxy-4-propylphenol. May produce an allergic reaction.

#### 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

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## 3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Classification (EC) 1272/2008	Notes	Weight percent
benzyl acetate	205-399-7	140-11-4	No data available	Xi; R36/37/38	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)		10-20
benzyl benzoate	204-402-9	120-51-4	No data available	Xn,N; R22-51/53	Acute Tox. 4 (H302) Aquatic Chronic 2 (H411)		1-3
linalool	201-134-4	78-70-6	No data available	Xi; R38-43	Skin Irrit. 2 (H315) Skin Sens. 1 (H317)		1-3
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
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-tert-butylcyclohexyl acetate	250-954-9	32210-23-4	No data available	N; R51/53	Aquatic Chronic 2 (H411)		0.1-1
[3R-(3 $\alpha$ ,3a $\beta$ ,7 $\beta$ ,8a $\alpha$ )]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetraethyl-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
coumarin	202-086-7	91-64-5	No data available	Xn; R22-43	Acute Tox. 3 (H301) Skin Sens. 1 (H317)		0.1-1
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)		0.1-1
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	231-926-5	7779-30-8	No data available	N; R51/53	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
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
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
isoeugenol	202-590-7	97-54-1	No data available	Xn; R21/22-36/38-43	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)		0.1-1
2-methoxy-4-propylphenol	220-499-0	2785-87-7	No data available	Xi; R36-43	Eye Irrit. 2 (H319) Skin Sens. 1 (H317)		0.1-1
3-p-cumenyl-2-methylpropionaldehyde	203-161-7	103-95-7	No data available	Xn,N; R38-43-51/53-62	Repr. 2 (H361) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)		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

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

#### Skin contact

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

#### Eye contact

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

#### Ingestion

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

#### 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

Unlikely to be irritant or harmful in normal use.

#### Skin contact

Unlikely to be irritant in normal use.

#### Eye contact

Can cause irritation.

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**Ingestion** Unlikely to be harmful unless excessive amount ingested.  
**Sensitisation** May produce an allergic reaction. 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**

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**

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

**6.3 Methods and material for containment and cleaning up**

Collect mechanically.

**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. Do not mix with other products unless advised by Diversey. 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**

No special precautions required.

**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**

Store in original container. Keep container tightly closed. 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:

Biological limit values, if available:

Recommended monitoring procedures, if available:

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

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## 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
benzyl acetate	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
linalool	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
d-limonene	No data available	No data available	No data available	4.76
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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
coumarin	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
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	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
benzyl salicylate	No data available	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
isoeugenol	No data available	No data available	No data available	No data available
2-methoxy-4-propylphenol	No data available	No data available	No data available	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available	No data available	No data available	No data available

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)
benzyl acetate	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
linalool	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
d-limonene	0.222 mg/cm <sup>2</sup> skin	No data available	No data available	No data available
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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
coumarin	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
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	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
benzyl salicylate	No data available	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
isoeugenol	No data available	No data available	No data available	No data available
2-methoxy-4-propylphenol	No data available	No data available	No data available	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available	No data available	No data available	No data available

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)
benzyl acetate	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
linalool	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
d-limonene	0.111 mg/cm <sup>2</sup> skin	No data available	No data available	No data available
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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
coumarin	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
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	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
benzyl salicylate	No data available	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
isoeugenol	No data available	No data available	No data available	No data available
2-methoxy-4-propylphenol	No data available	No data available	No data available	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available	No data available	No data available	No data available

DNEL inhalatory exposure - Worker (mg/m<sup>3</sup>)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
benzyl acetate	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
linalool	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
d-limonene	No data available	No data available	No data available	33.3
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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

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coumarin	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
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	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
benzyl salicylate	No data available	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
isoeugenol	No data available	No data available	No data available	No data available
2-methoxy-4-propylphenol	No data available	No data available	No data available	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available	No data available	No data available	No data available

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

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
benzyl acetate	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
linalool	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
d-limonene	No data available	No data available	No data available	8.33
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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
coumarin	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
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	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
benzyl salicylate	No data available	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
isoeugenol	No data available	No data available	No data available	No data available
2-methoxy-4-propylphenol	No data available	No data available	No data available	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available	No data available	No data available	No data available

## Environmental exposure

Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
benzyl acetate	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
linalool	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
d-limonene	0.0054	0.00054	No data available	1.8
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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
coumarin	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
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	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
benzyl salicylate	No data available	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
isoeugenol	No data available	No data available	No data available	No data available
2-methoxy-4-propylphenol	No data available	No data available	No data available	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available	No data available	No data available	No data available

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m <sup>3</sup> )
benzyl acetate	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
linalool	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
d-limonene	1.32	0.13	0.262	No data available
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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
coumarin	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
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	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
benzyl salicylate	No data available	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
isoeugenol	No data available	No data available	No data available	No data available
2-methoxy-4-propylphenol	No data available	No data available	No data available	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available	No data available	No data available	No data available

## 8.2 Exposure controls

## General health and safety measures

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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:** No special requirements under normal use conditions.  
**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:** No special requirements under normal use conditions

**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**

<b>Physical State:</b>	Solid
<b>Colour</b>	White
<b>Odour</b>	Perfumed
<b>pH:</b>	Not applicable. (neat)
<b>Boiling point/range (°C):</b>	Not determined
<b>Flash point (°C):</b>	Not applicable.
<b>Flammability</b>	Not flammable.
<b>Specific gravity:</b>	0.92 g/cm <sup>3</sup> (20°C)
<b>Solubility in / Miscibility with</b>	<b>Water:</b> Insoluble
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties:</b>	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**

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.

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**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)
benzyl acetate		No data available			
benzyl benzoate		No data available			
linalool		No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available			
d-limonene	LD <sub>50</sub>	4400 - 5100	Rat	Method not given	
4-tert-butylcyclohexyl acetate		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			
coumarin		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available			
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one		No data available			
eugenol		No data available			
benzyl salicylate		No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			
isoeugenol		No data available			
2-methoxy-4-propylphenol		No data available			
3-p-cumenyl-2-methylpropionaldehyde		No data available			

## Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
benzyl acetate		No data available			
benzyl benzoate		No data available			
linalool		No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available			
d-limonene	LD <sub>50</sub>	> 5000	Rabbit	Method not given	
4-tert-butylcyclohexyl acetate		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			
coumarin		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available			
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one		No data available			
eugenol		No data available			
benzyl salicylate		No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			
isoeugenol		No data available			
2-methoxy-4-propylphenol		No data available			
3-p-cumenyl-2-methylpropionaldehyde		No data available			

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## Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
benzyl acetate		No data available			
benzyl benzoate		No data available			
linalool		No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available			
d-limonene		No data available			
4-tert-butylcyclohexyl acetate		No data available			
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,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			
coumarin		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available			
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one		No data available			
eugenol		No data available			
benzyl salicylate		No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			
isoeugenol		No data available			
2-methoxy-4-propylphenol		No data available			
3-p-cumenyl-2-methylpropionaldehyde		No data available			

## Irritation and corrosivity

## Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
benzyl acetate	No data available			
benzyl benzoate	No data available			
linalool	No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available			
d-limonene	Irritant	Rabbit	Method not given	
4-tert-butylcyclohexyl acetate	No data available			
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,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			
coumarin	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available			
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	No data available			
eugenol	No data available			
benzyl salicylate	No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available			
isoeugenol	No data available			
2-methoxy-4-propylphenol	No data available			
3-p-cumenyl-2-methylpropionaldehyde	No data available			

## Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
benzyl acetate	No data available			
benzyl benzoate	No data available			
linalool	No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available			
d-limonene	No data available			
4-tert-butylcyclohexyl acetate	No data available			
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,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			
coumarin	No data available			



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1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available		
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	No data available		
eugenol	No data available		
benzyl salicylate	No data available		
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available		
isoeugenol	No data available		
2-methoxy-4-propylphenol	No data available		
3-p-cumenyl-2-methylpropionaldehyde	No data available		

## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
benzyl acetate	No data available			
benzyl benzoate	No data available			
linalool	No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available			
d-limonene	No data available			
4-tert-butylcyclohexyl acetate	No data available			
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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			
coumarin	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available			
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	No data available			
eugenol	No data available			
benzyl salicylate	No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available			
isoeugenol	No data available			
2-methoxy-4-propylphenol	No data available			
3-p-cumenyl-2-methylpropionaldehyde	No data available			

## Sensitisation

## Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
benzyl acetate	No data available			
benzyl benzoate	No data available			
linalool	No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available			
d-limonene	Sensitising	Guinea pig	Method not given	
4-tert-butylcyclohexyl acetate	No data available			
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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			
coumarin	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available			
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	No data available			
eugenol	No data available			
benzyl salicylate	No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available			
isoeugenol	No data available			
2-methoxy-4-propylphenol	No data available			
3-p-cumenyl-2-methylpropionaldehyde	No data available			

## Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
benzyl acetate	No data available			
benzyl benzoate	No data available			
linalool	No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available			
d-limonene	No data available			
4-tert-butylcyclohexyl acetate	No data available			

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[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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			
coumarin	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available			
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	No data available			
eugenol	No data available			
benzyl salicylate	No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available			
isoeugenol	No data available			
2-methoxy-4-propylphenol	No data available			
3-p-cumenyl-2-methylpropionaldehyde	No data available			

## Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
benzyl acetate		No data available				
benzyl benzoate		No data available				
linalool		No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available				
d-limonene		No data available				
4-tert-butylcyclohexyl acetate		No data available				
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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				
coumarin		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available				
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one		No data available				
eugenol		No data available				
benzyl salicylate		No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available				
isoeugenol		No data available				
2-methoxy-4-propylphenol		No data available				
3-p-cumenyl-2-methylpropionaldehyde		No data available				

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
benzyl acetate		No data available				
benzyl benzoate		No data available				
linalool		No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available				
d-limonene		No data available				
4-tert-butylcyclohexyl acetate		No data available				
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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				
coumarin		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available				
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one		No data available				
eugenol		No data available				
benzyl salicylate		No data available				

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4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available				
isoeugenol		No data available				
2-methoxy-4-propylphenol		No data available				
3-p-cumenyl-2-methylpropionaldehyde		No data available				

## Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
benzyl acetate		No data available				
benzyl benzoate		No data available				
linalool		No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available				
d-limonene		No data available				
4-tert-butylcyclohexyl acetate		No data available				
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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				
coumarin		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available				
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one		No data available				
eugenol		No data available				
benzyl salicylate		No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available				
isoeugenol		No data available				
2-methoxy-4-propylphenol		No data available				
3-p-cumenyl-2-methylpropionaldehyde		No data available				

## Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
benzyl acetate			No data available					
benzyl benzoate			No data available					
linalool			No data available					
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one			No data available					
d-limonene			No data available					
4-tert-butylcyclohexyl acetate			No data available					
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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					
coumarin			No data available					
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran			No data available					
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one			No data available					
eugenol			No data available					
benzyl salicylate			No data available					
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde			No data available					

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isoeugenol			No data available				
2-methoxy-4-propylphenol			No data available				
3-p-cumenyl-2-methylpropionaldehyde			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
benzyl acetate	No data available
benzyl benzoate	No data available
linalool	No data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available
d-limonene	No data available
4-tert-butylcyclohexyl acetate	No data available
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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
coumarin	No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	No data available
eugenol	No data available
benzyl salicylate	No data available
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available
isoeugenol	No data available
2-methoxy-4-propylphenol	No data available
3-p-cumenyl-2-methylpropionaldehyde	No data available

## Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
benzyl acetate	No data available		No data available	
benzyl benzoate	No data available		No data available	
linalool	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	
d-limonene	No data available		No data available	
4-tert-butylcyclohexyl acetate	No data available		No data available	
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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	
coumarin	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	
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	No data available		No data available	
eugenol	No data available		No data available	
benzyl salicylate	No data available		No data available	
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available		No data available	
isoeugenol	No data available		No data available	

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2-methoxy-4-propylphenol	No data available		No data available	
3-p-cumenyl-2-methylpropionaldehyde	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
benzyl acetate			No data available				
benzyl benzoate			No data available				
linalool			No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one			No data available				
d-limonene			No data available				
4-tert-butylcyclohexyl acetate			No data available				
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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				
coumarin			No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran			No data available				
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one			No data available				
eugenol			No data available				
benzyl salicylate			No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde			No data available				
isoeugenol			No data available				
2-methoxy-4-propylphenol			No data available				
3-p-cumenyl-2-methylpropionaldehyde			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)
benzyl acetate		No data available			
benzyl benzoate		No data available			
linalool		No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available			
d-limonene	LC <sub>50</sub>	0.72	Pimephales promelas	OECD 203	96
4-tert-butylcyclohexyl acetate		No data available			
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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			
coumarin		No data available			

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1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available			
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one		No data available			
eugenol		No data available			
benzyl salicylate		No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			
isoeugenol		No data available			
2-methoxy-4-propylphenol		No data available			
3-p-cumenyl-2-methylpropionaldehyde		No data available			

## Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
benzyl acetate		No data available			
benzyl benzoate		No data available			
linalool		No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available			
d-limonene	EC <sub>50</sub>	0.36	Daphnia magna Straus	OECD 202	48
4-tert-butylcyclohexyl acetate		No data available			
[3R-(3 $\alpha$ ,3 $\alpha$ $\beta$ ,7 $\beta$ ,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			
coumarin		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available			
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one		No data available			
eugenol		No data available			
benzyl salicylate		No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			
isoeugenol		No data available			
2-methoxy-4-propylphenol		No data available			
3-p-cumenyl-2-methylpropionaldehyde		No data available			

## Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
benzyl acetate		No data available			
benzyl benzoate		No data available			
linalool		No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available			
d-limonene	E <sub>r</sub> C <sub>50</sub>	150	Desmodesmus subspicatus	OECD 201	72
4-tert-butylcyclohexyl acetate		No data available			
[3R-(3 $\alpha$ ,3 $\alpha$ $\beta$ ,7 $\beta$ ,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			
coumarin		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available			
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one		No data available			
eugenol		No data available			
benzyl salicylate		No data available			

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4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available		
isoeugenol		No data available		
2-methoxy-4-propylphenol		No data available		
3-p-cumenyl-2-methylpropionaldehyde		No data available		

## Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
benzyl acetate		No data available			
benzyl benzoate		No data available			
linalool		No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available			
d-limonene		No data available			
4-tert-butylcyclohexyl acetate		No data available			
[3R-(3 $\alpha$ ,3 $\alpha$ $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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			
coumarin		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available			
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one		No data available			
eugenol		No data available			
benzyl salicylate		No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			
isoeugenol		No data available			
2-methoxy-4-propylphenol		No data available			
3-p-cumenyl-2-methylpropionaldehyde		No data available			

## Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
benzyl acetate		No data available			
benzyl benzoate		No data available			
linalool		No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available			
d-limonene		No data available			
4-tert-butylcyclohexyl acetate		No data available			
[3R-(3 $\alpha$ ,3 $\alpha$ $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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			
coumarin		No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available			
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one		No data available			
eugenol		No data available			
benzyl salicylate		No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available			
isoeugenol		No data available			
2-methoxy-4-propylphenol		No data available			
3-p-cumenyl-2-methylpropionaldehyde		No data available			

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**Aquatic long-term toxicity**

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
benzyl acetate		No data available				
benzyl benzoate		No data available				
linalool		No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available				
d-limonene		No data available				
4-tert-butylcyclohexyl acetate		No data available				
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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				
coumarin		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available				
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one		No data available				
eugenol		No data available				
benzyl salicylate		No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available				
isoeugenol		No data available				
2-methoxy-4-propylphenol		No data available				
3-p-cumenyl-2-methylpropionaldehyde		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
benzyl acetate		No data available				
benzyl benzoate		No data available				
linalool		No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		No data available				
d-limonene		No data available				
4-tert-butylcyclohexyl acetate		No data available				
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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				
coumarin		No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		No data available				
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one		No data available				
eugenol		No data available				
benzyl salicylate		No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde		No data available				
isoeugenol		No data available				
2-methoxy-4-propylphenol		No data available				
3-p-cumenyl-2-methylpropionaldehyde		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:



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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 <sub>50</sub>	Method	Evaluation
benzyl acetate					No data available
benzyl benzoate					No data available
linalool					No data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one					No data available
d-limonene			80% in 28 day(s)	OECD 301D	Readily biodegradable
4-tert-butylcyclohexyl acetate					No data available
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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
coumarin					No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran					No data available
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one					No data available
eugenol					No data available
benzyl salicylate					No data available
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde					No data available
isoeugenol					No data available
2-methoxy-4-propylphenol					No data available
3-p-cumenyl-2-methylpropionaldehyde					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 Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
benzyl acetate	No data available			
benzyl benzoate	No data available			
linalool	No data available			
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available			
d-limonene	No data available		High potential for bioaccumulation	
4-tert-butylcyclohexyl acetate	No data available			
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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			
coumarin	No data available			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available			
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	No data available			
eugenol	No data available			
benzyl salicylate	No data available			
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available			
isoeugenol	No data available			
2-methoxy-4-propylphenol	No data available			

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3-p-cumenyl-2-methylpropionaldehyde	No data available		
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## Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
benzyl acetate	No data available				
benzyl benzoate	No data available				
linalool	No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available				
d-limonene	683.1		Method not given	High potential for bioaccumulation	
4-tert-butylcyclohexyl acetate	No data available				
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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				
coumarin	No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available				
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	No data available				
eugenol	No data available				
benzyl salicylate	No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available				
isoeugenol	No data available				
2-methoxy-4-propylphenol	No data available				
3-p-cumenyl-2-methylpropionaldehyde	No data available				

## 12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
benzyl acetate	No data available				
benzyl benzoate	No data available				
linalool	No data available				
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No data available				
d-limonene	No data available				High potential for mobility in soil
4-tert-butylcyclohexyl acetate	No data available				
[3R-(3 $\alpha$ ,3 $\beta$ ,7 $\beta$ ,8 $\alpha$ )]-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				
coumarin	No data available				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	No data available				
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	No data available				
eugenol	No data available				
benzyl salicylate	No data available				
4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	No data available				
isoeugenol	No data available				
2-methoxy-4-propylphenol	No data available				
3-p-cumenyl-2-methylpropionaldehyde	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.

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**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 03 05\* - organic wastes 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:** Non-dangerous goods

**14.2 UN proper shipping name:** Non-dangerous goods

**14.3 Transport hazard class(es):** Non-dangerous goods  
**Class:-**

**14.4 Packing group:** Non-dangerous goods

**14.5 Environmental hazards:** Non-dangerous goods

**14.6 Special precautions for user:** Non-dangerous goods

**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.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Ingredients according to EC Detergents Regulation 648/2004**

perfumes, Benzyl Benzoate, Linalool, Alpha-Isomethyl Ionone, Limonene, Coumarin, Eugenol, Benzyl Salicylate, Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde, Isoeugenol, Hydroxycitronellal, 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:** MSDS5305

**Version** 03

**Revision:** 2012-10-05

**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**

- R22 - Harmful if swallowed.
- R43 - May cause sensitisation by skin contact.
- R38 - Irritating to skin.
- R10 - Flammable.
- R36 - Irritating to eyes.
- R62 - Possible risk of impaired fertility.
- R36/37/38 - Irritating to eyes, respiratory system and skin.
- R51/53 - 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.
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R36/38 - Irritating to eyes and skin.
- R21/22 - Harmful in contact with skin and if swallowed.
- H226 - Flammable liquid and vapour.
- H301 - Toxic if swallowed.
- 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.
- H335 - May cause respiratory irritation.
- H361 - Suspected of damaging fertility or the unborn child 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.

**Taski Tapi Deo C9a****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**