



## Clax Revoflow Deosoft Breeze 54X1

Revision: 2022-12-01

Version: 03.3

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

#### 1.1 Product identifier

**Trade name:** Clax Revoflow Deosoft Breeze 54X1

UFI: WA21-50D2-E00W-CUJT

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

**Product use:** Laundry conditioner.  
For professional use only.

**Uses advised against:** Uses other than those identified are not recommended.

#### SWED - Sector-specific worker exposure description :

AISE\_SWED\_PW\_8a\_1

AISE\_SWED\_PW\_4\_1

#### 1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, Maarssenbroeksedijk 2, 3542DN Utrecht, The Netherlands

Tel: 01 8081808 (9am - 5pm Mon-Fri)

Email: dublin.orders@diversey.com

#### 1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible).

National Poisons Information Centre

Tel: 01 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week)

Tel: 01 809 2566 (health care professionals).

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Skin Irrit. 2 (H315)

Eye Irrit. 2 (H319)

Aquatic Chronic 3 (H412)

#### 2.2 Label elements



**Signal word:** Warning.

Contains 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (Tetramethyl Acetyloctahydronaphtalenes), alpha-hexylcinnamaldehyde (Hexyl Cinnamal), benzyl salicylate (Benzyl Salicylate),

#### Hazard statements:

H315 + H319 - Causes skin and serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

EUH208 - May produce an allergic reaction.

#### 2.3 Other hazards

No other hazards known.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	931-216-1	-	01-2119472309-33	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)		>= 75
propane-1,2-diol	200-338-0	57-55-6	01-2119456809-23	Not classified as hazardous		10-20
3,7-dimethyloctan-3-ol	201-133-9	78-69-3	01-2119454788-21	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1B (H317)		0.1-1
pentyl salicylate	218-080-2	2050-08-0	01-2119969444-27	Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		0.1-1
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	259-174-3	54464-57-2	01-2119489989-04	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Chronic 1 (H410)		0.1-1
alpha-hexylcinnamaldehyde	202-983-3	101-86-0	01-2119533092-50	Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)		0.1-1
benzyl salicylate	204-262-9	118-58-1	01-2119969442-31	Eye Irrit. 2 (H319) Skin Sens. 1B (H317) Aquatic Chronic 3 (H412)		0.1-1
dodecanal	203-983-6	112-54-9	01-2119969441-33	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Chronic 2 (H411)		0.1-1
2-methylundecanal	203-765-0	110-41-8	01-2119969443-29	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)		0.1-1
methyl non-2-ynoate	203-909-2	111-80-8	-	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Skin Sens. 1A (H317) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)		0.01-0.1

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

ATE, if available, are listed in section 11.

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>Inhalation:</b>	Get medical attention or advice if you feel unwell.
<b>Skin contact:</b>	Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.
<b>Eye contact:</b>	Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs and persists, get medical attention.
<b>Ingestion:</b>	Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.
<b>Self-protection of first aider:</b>	Consider personal protective equipment as indicated in subsection 8.2.

### 4.2 Most important symptoms and effects, both acute and delayed

<b>Inhalation:</b>	No known effects or symptoms in normal use.
<b>Skin contact:</b>	Causes irritation.
<b>Eye contact:</b>	Causes severe irritation.
<b>Ingestion:</b>	No known effects or symptoms in normal use.

### 4.3 Indication of any immediate medical attention and special treatment needed

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

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

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

### 5.2 Special hazards arising from the substance or mixture

No special hazards known.

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**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**

Repeated or prolonged contact:.

**6.2 Environmental precautions**

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

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

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

**6.4 Reference to other sections**

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

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

No special precautions required.

**Measures required to protect the environment:**

For environmental exposure controls see subsection 8.2.

**Advices on general occupational hygiene:**

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

**7.2 Conditions for safe storage, including any incompatibilities**

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging.

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

**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)	Long term value(s)	Short term value(s)
propane-1,2-diol	10 mg/m <sup>3</sup> particulates 150 ppm total vapour and particulates 470 mg/m <sup>3</sup> total vapour and particulates	1410 mg/m <sup>3</sup> particulates 30 mg/m <sup>3</sup> 450 ppm total vapour and particulates

Biological limit values, if available:

**Recommended monitoring procedures, if available:**

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

**DNEL/DMEL and PNEC values****Human exposure**

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

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	-	-	-	-
propane-1,2-diol	-	-	-	-
3,7-dimethyloctan-3-ol	No data available	No data available	No data available	No data available

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pentyl salicylate	No data available	No data available	No data available	No data available
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)etha n-1-one	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
benzyl salicylate	No data available	No data available	No data available	No data available
dodecanal	-	-	-	7
2-methylundecanal	-	-	-	5.23
methyl non-2-ynoate	No data available	No data available	No data available	No data available

## DNEL/DMEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	-	-	-	-
propane-1,2-diol	-	-	-	-
3,7-dimethyloctan-3-ol	No data available	No data available	No data available	No data available
pentyl salicylate	No data available	No data available	No data available	No data available
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)etha n-1-one	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
benzyl salicylate	No data available	No data available	No data available	No data available
dodecanal	No data available	-	No data available	-
2-methylundecanal	No data available	-	No data available	-
methyl non-2-ynoate	No data available	No data available	No data available	No data available

## DNEL/DMEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	-	-	-	-
propane-1,2-diol	-	-	-	-
3,7-dimethyloctan-3-ol	No data available	No data available	No data available	No data available
pentyl salicylate	No data available	No data available	No data available	No data available
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)etha n-1-one	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
benzyl salicylate	No data available	No data available	No data available	No data available
dodecanal	No data available	-	No data available	-
2-methylundecanal	No data available	-	No data available	-
methyl non-2-ynoate	No data available	No data available	No data available	No data available

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

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	-	-	-	-
propane-1,2-diol	-	-	10	168
3,7-dimethyloctan-3-ol	No data available	No data available	No data available	No data available
pentyl salicylate	No data available	No data available	No data available	No data available
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)etha n-1-one	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
benzyl salicylate	No data available	No data available	No data available	No data available
dodecanal	-	-	-	-
2-methylundecanal	-	-	-	-
methyl non-2-ynoate	No data available	No data available	No data available	No data available

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

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	-	-	-	-
propane-1,2-diol	-	-	10	50
3,7-dimethyloctan-3-ol	No data available	No data available	No data available	No data available
pentyl salicylate	No data available	No data available	No data available	No data available
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)etha n-1-one	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
benzyl salicylate	No data available	No data available	No data available	No data available
dodecanal	-	-	-	-
2-methylundecanal	-	-	-	-
methyl non-2-ynoate	No data available	No data available	No data available	No data available

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**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)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	0.00191	0.000191	-	2.96
propane-1,2-diol	260	26	183	20000
3,7-dimethyloctan-3-ol	No data available	No data available	No data available	No data available
pentyl salicylate	No data available	No data available	No data available	No data available
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)etha n-1-one	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
benzyl salicylate	No data available	No data available	No data available	No data available
dodecanal	-	-	-	-
2-methylundecanal	-	-	-	-
methyl non-2-ynoate	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> )
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	0.58	0.058	-	-
propane-1,2-diol	572	57.2	50	-
3,7-dimethyloctan-3-ol	No data available	No data available	No data available	No data available
pentyl salicylate	No data available	No data available	No data available	No data available
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)etha n-1-one	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
benzyl salicylate	No data available	No data available	No data available	No data available
dodecanal	-	-	-	-
2-methylundecanal	-	-	-	-
methyl non-2-ynoate	No data available	No data available	No data available	No data available

**8.2 Exposure controls**

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

Recommended safety measures for handling the undiluted product:

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

**REACH use scenarios considered for the undiluted product:**

	SWED - Sector-specific worker exposure description	LCS	PROC	Duration (min)	ERC
Manual transfer and dilution	AISE_SWED_PW_8a_1	PW	PROC 8a	60	ERC8a

**Personal protective equipment**

**Eye / face protection:** Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 166).

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

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

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

**Environmental exposure controls:** No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

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Recommended maximum concentration (% w/w): 0.03

**Appropriate engineering controls:** No special requirements under normal use conditions.  
**Appropriate organisational controls:** No special requirements under normal use conditions.

**REACH use scenarios considered for the diluted product:**

	SWED	LCS	PROC	Duration (min)	ERC
Automatic application in a dedicated system	AISE_SWED_PW_4_1	PW	PROC 4	480	ERC8a

**Personal protective equipment**

**Eye / face protection:** No special requirements under normal use conditions.  
**Hand protection:** No special requirements under normal use conditions.  
**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

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

	Method / remark
<b>Physical state:</b> Liquid	
<b>Colour:</b> Clear , Clear	
<b>Odour:</b> Characteristic	
<b>Odour threshold:</b> Not applicable	
<b>Melting point/freezing point (°C):</b> Not determined	Not relevant to classification of this product
<b>Initial boiling point and boiling range (°C):</b> Not determined	See substance data

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	No data available		
propane-1,2-diol	185-190	Method not given	1013
3,7-dimethyloctan-3-ol	No data available		
pentyl salicylate	No data available		
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available		
alpha-hexylcinnamaldehyde	No data available		
benzyl salicylate	No data available		
dodecanal	No data available		
2-methylundecanal	No data available		
methyl non-2-ynoate	No data available		

	Method / remark
<b>Flammability (solid, gas):</b> Not applicable to liquids	
<b>Flammability (liquid):</b> Not flammable.	
<b>Flash point (°C):</b> > 70 °C	closed cup
<b>Sustained combustion:</b> Not applicable. ( UN Manual of Tests and Criteria, section 32, L.2 )	
<b>Lower and upper explosion limit/flammability limit (%):</b> Not determined	See substance data

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
propane-1,2-diol	2.6	12.6

	Method / remark
<b>Autoignition temperature:</b> Not determined	
<b>Decomposition temperature:</b> Not applicable.	
<b>pH:</b> Not applicable	ISO 4316
<b>Dilution pH:</b> ≈ 6 (0.03 %)	ISO 4316
<b>Kinematic viscosity:</b> ≈ 336 mPa.s (20 °C)	
<b>Solubility in / Miscibility with water:</b> Fully miscible	

Substance data, solubility in water

Ingredient(s)	Value	Method	Temperature
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	(g/l)		(°C)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	No data available		
propane-1,2-diol	Soluble	Method not given	
3,7-dimethyloctan-3-ol	No data available		
pentyl salicylate	No data available		
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available		
alpha-hexylcinnamaldehyde	No data available		
benzyl salicylate	No data available		
dodecanal	No data available		
2-methylundecanal	No data available		
methyl non-2-ynoate	No data available		

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

**Vapour pressure:** Not determined

**Method / remark**

See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	No data available		
propane-1,2-diol	18.6	Method not given	20
3,7-dimethyloctan-3-ol	No data available		
pentyl salicylate	No data available		
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available		
alpha-hexylcinnamaldehyde	No data available		
benzyl salicylate	No data available		
dodecanal	No data available		
2-methylundecanal	No data available		
methyl non-2-ynoate	No data available		

**Relative density:** ≈ 1.01 (20 °C)

**Relative vapour density:** No data available.

**Particle characteristics:** No data available.

**Method / remark**

OECD 109 (EU A.3)

Not relevant to classification of this product

Not applicable to liquids.

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

**Explosive properties:** Not explosive.

**Oxidising properties:** Not oxidising.

**Corrosion to metals:** Not corrosive

**9.2.2 Other safety characteristics**

No other relevant information available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

**10.2 Chemical stability**

Stable under normal storage and use conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known under normal storage and use conditions.

**10.4 Conditions to avoid**

None known under normal storage and use conditions.

**10.5 Incompatible materials**

None known under normal use conditions.

**10.6 Hazardous decomposition products**

None known under normal storage and use conditions.

**SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

Mixture data:.

## Relevant calculated ATE(s):

ATE - Oral (mg/kg): &gt;2000

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

## Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	LD <sub>50</sub>	> 2000	Rat	Method not given		Not established
propane-1,2-diol	LD <sub>50</sub>	> 10000	Rat	Method not given		Not established
3,7-dimethyloctan-3-ol		8270				Not established
pentyl salicylate		2000				750000
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		No data available				Not established
alpha-hexylcinnamaldehyde		3100				Not established
benzyl salicylate	LD <sub>50</sub>	> 2000		Method not given		Not established
dodecanal		23100				Not established
2-methylundecanal	LD <sub>50</sub>	> 5000	Rat	Method not given		Not established
methyl non-2-ynoate	LD <sub>50</sub>	1600	Rat	Method not given		2.9e+006

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	LD <sub>50</sub>	> 2000	Rat			Not established
propane-1,2-diol	LD <sub>50</sub>	> 2000	Rabbit	Method not given		Not established
3,7-dimethyloctan-3-ol		No data available				Not established
pentyl salicylate		No data available				Not established
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		No data available				Not established
alpha-hexylcinnamaldehyde		No data available				Not established
benzyl salicylate		No data available				Not established
dodecanal		No data available				Not established
2-methylundecanal	LD <sub>50</sub>	> 5000	Rabbit	Method not given	24 hours	Not established
methyl non-2-ynoate		No data available				4.6e+006

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized		No data available			
propane-1,2-diol	LC <sub>50</sub>	> 317 (mist) No mortality observed	Rabbit	Non guideline test	
3,7-dimethyloctan-3-ol		No data available			
pentyl salicylate		No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		No data available			
alpha-hexylcinnamaldehyde		No data available			
benzyl salicylate		No data available			
dodecanal		No data available			
2-methylundecanal		No data available			
methyl non-2-ynoate		No data available			



## Acute inhalative toxicity, continued

Ingredient(s)	ATE - inhalation, dust (mg/l)	ATE - inhalation, mist (mg/l)	ATE - inhalation, vapour (mg/l)	ATE - inhalation, gas (mg/l)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	Not established	Not established	Not established	Not established
propane-1,2-diol	Not established	Not established	Not established	Not established
3,7-dimethyloctan-3-ol	Not established	Not established	Not established	Not established
pentyl salicylate	Not established	Not established	Not established	Not established
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Not established	Not established	Not established	Not established
alpha-hexylcinnamaldehyde	Not established	Not established	Not established	Not established
benzyl salicylate	Not established	Not established	Not established	Not established
dodecanal	Not established	Not established	Not established	Not established
2-methylundecanal	Not established	Not established	Not established	Not established
methyl non-2-ynoate	Not established	Not established	Not established	Not established

## Irritation and corrosivity

## Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	Irritant	Rabbit	Method not given	
propane-1,2-diol	Not irritant	Rabbit	OECD 404 (EU B.4)	
3,7-dimethyloctan-3-ol	No data available			
pentyl salicylate	No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available			
alpha-hexylcinnamaldehyde	No data available			
benzyl salicylate	No data available			
dodecanal	No data available			
2-methylundecanal	No data available			
methyl non-2-ynoate	No data available			

## Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	Irritant	Rabbit	Method not given	
propane-1,2-diol	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5)	
3,7-dimethyloctan-3-ol	No data available			
pentyl salicylate	No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available			
alpha-hexylcinnamaldehyde	No data available			
benzyl salicylate	No data available			
dodecanal	No data available			
2-methylundecanal	No data available			
methyl non-2-ynoate	No data available			

## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	No data available			
propane-1,2-diol	No data available			
3,7-dimethyloctan-3-ol	No data available			
pentyl salicylate	No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available			
alpha-hexylcinnamaldehyde	No data available			
benzyl salicylate	No data available			
dodecanal	No data available			
2-methylundecanal	No data available			
methyl non-2-ynoate	No data available			

## Sensitisation

## Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	Not sensitising	Guinea pig	Method not given	
propane-1,2-diol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
3,7-dimethyloctan-3-ol	No data available			

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pentyl salicylate	No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available			
alpha-hexylcinnamaldehyde	No data available			
benzyl salicylate	No data available			
dodecanal	No data available			
2-methylundecanal	No data available			
methyl non-2-ynoate	No data available			

## Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	No data available			
propane-1,2-diol	No data available			
3,7-dimethyloctan-3-ol	No data available			
pentyl salicylate	No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available			
alpha-hexylcinnamaldehyde	No data available			
benzyl salicylate	No data available			
dodecanal	No data available			
2-methylundecanal	No data available			
methyl non-2-ynoate	No data available			

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

## Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	No data available		No data available	
propane-1,2-diol	No evidence for mutagenicity, negative test results	Method not given	No data available	
3,7-dimethyloctan-3-ol	No data available		No data available	
pentyl salicylate	No data available		No data available	
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available		No data available	
alpha-hexylcinnamaldehyde	No data available		No data available	
benzyl salicylate	No data available		No data available	
dodecanal	No data available		No data available	
2-methylundecanal	No data available		No data available	
methyl non-2-ynoate	No data available		No data available	

## Carcinogenicity

Ingredient(s)	Effect
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	No data available
propane-1,2-diol	No evidence for carcinogenicity, negative test results
3,7-dimethyloctan-3-ol	No data available
pentyl salicylate	No data available
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available
alpha-hexylcinnamaldehyde	No data available
benzyl salicylate	No data available
dodecanal	No data available
2-methylundecanal	No data available
methyl non-2-ynoate	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
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized			No data available				
propane-1,2-diol			No data available				No evidence for reproductive toxicity
3,7-dimethyloctan-3-ol			No data available				
pentyl salicylate			No data available				
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one			No data available				

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hydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one			available				
alpha-hexylcinnamaldehyde			No data available				
benzyl salicylate			No data available				
dodecanal			No data available				
2-methylundecanal			No data available				
methyl non-2-ynoate			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
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized		No data available				
propane-1,2-diol		No data available				
3,7-dimethyloctan-3-ol		No data available				
pentyl salicylate		No data available				
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		No data available				
alpha-hexylcinnamaldehyde		No data available				
benzyl salicylate		No data available				
dodecanal		No data available				
2-methylundecanal		No data available				
methyl non-2-ynoate		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
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized		No data available				
propane-1,2-diol		No data available				
3,7-dimethyloctan-3-ol		No data available				
pentyl salicylate		No data available				
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		No data available				
alpha-hexylcinnamaldehyde		No data available				
benzyl salicylate		No data available				
dodecanal		No data available				
2-methylundecanal		No data available				
methyl non-2-ynoate		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
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized		No data available				
propane-1,2-diol		No data available				
3,7-dimethyloctan-3-ol		No data available				
pentyl salicylate		No data available				
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		No data available				
alpha-hexylcinnamaldehyde		No data available				
benzyl salicylate		No data available				

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		available				
dodecanal		No data available				
2-methylundecanal		No data available				
methyl non-2-ynoate		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
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized			No data available					
propane-1,2-diol			No data available					
3,7-dimethyloctan-3-ol			No data available					
pentyl salicylate			No data available					
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one			No data available					
alpha-hexylcinnamaldehyde			No data available					
benzyl salicylate			No data available					
dodecanal			No data available					
2-methylundecanal			No data available					
methyl non-2-ynoate			No data available					

## STOT-single exposure

Ingredient(s)	Affected organ(s)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	No data available
propane-1,2-diol	No data available
3,7-dimethyloctan-3-ol	No data available
pentyl salicylate	No data available
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available
alpha-hexylcinnamaldehyde	No data available
benzyl salicylate	No data available
dodecanal	No data available
2-methylundecanal	No data available
methyl non-2-ynoate	No data available

## STOT-repeated exposure

Ingredient(s)	Affected organ(s)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	No data available
propane-1,2-diol	No data available
3,7-dimethyloctan-3-ol	No data available
pentyl salicylate	No data available
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available
alpha-hexylcinnamaldehyde	No data available
benzyl salicylate	No data available
dodecanal	No data available
2-methylundecanal	No data available
methyl non-2-ynoate	No data available

## Aspiration hazard

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

## Potential adverse health effects and symptoms

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

## 11.2 Information on other hazards

## 11.2.1 Endocrine disrupting properties

Endocrine disrupting properties - Human data, if available:

**11.2.2 Other information**

No other relevant information available.

**SECTION 12: Ecological information****12.1 Toxicity**

No data is available on the mixture.

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

**Aquatic short-term toxicity**

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	LC <sub>50</sub>	1.91	Fish	OECD 203 (EU C.1)	96
propane-1,2-diol	LC <sub>50</sub>	> 1000	Fish	Method not given	24
3,7-dimethyloctan-3-ol		No data available			
pentyl salicylate		No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	LC <sub>50</sub>	1.3	<i>Lepomis macrochirus</i>	OECD 203, semi-static	96
alpha-hexylcinnamaldehyde		No data available			
benzyl salicylate		No data available			
dodecanal		No data available			
2-methylundecanal		No data available			
methyl non-2-ynoate		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	EC <sub>50</sub>	2.23	<i>Daphnia magna Straus</i>	OECD 202 (EU C.2)	48
propane-1,2-diol	EC <sub>50</sub>	> 100	<i>Daphnia</i>	Method not given	48
3,7-dimethyloctan-3-ol		No data available			
pentyl salicylate		No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	EC <sub>50</sub>	1.38	<i>Daphnia</i>	OECD 202, semi-static	48
alpha-hexylcinnamaldehyde		No data available			
benzyl salicylate		No data available			
dodecanal		No data available			
2-methylundecanal		No data available			
methyl non-2-ynoate	EC <sub>50</sub>	1.1	<i>Daphnia magna Straus</i>	OECD 202, static	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	EC <sub>50</sub>	2.14	<i>Not specified</i>	OECD 201 (EU C.3)	72
propane-1,2-diol	EC <sub>50</sub>	24200	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72
3,7-dimethyloctan-3-ol		No data available			
pentyl salicylate		No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	EC <sub>50</sub>	> 2.6	<i>Desmodesmus subspicatus</i>	OECD 201, static	72
alpha-hexylcinnamaldehyde		No data available			
benzyl salicylate		No data available			
dodecanal		No data available			

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		available			
2-methylundecanal		No data available			
methyl non-2-ynoate	EC <sub>50</sub>	0.83	<i>Pseudokirchneriella subcapitata</i>	OECD 201, static	72

## Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized		No data available			
propane-1,2-diol		No data available			
3,7-dimethyloctan-3-ol		No data available			
pentyl salicylate		No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		No data available			
alpha-hexylcinnamaldehyde		No data available			
benzyl salicylate		No data available			
dodecanal		No data available			
2-methylundecanal		No data available			
methyl non-2-ynoate		No data available			

## Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized		No data available			
propane-1,2-diol	EC <sub>0</sub>	> 20000	<i>Pseudomonas putida</i>	Method not given	18 hour(s)
3,7-dimethyloctan-3-ol		No data available			
pentyl salicylate		No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		No data available			
alpha-hexylcinnamaldehyde		No data available			
benzyl salicylate		No data available			
dodecanal		No data available			
2-methylundecanal		No data available			
methyl non-2-ynoate		No data available			

## Aquatic long-term toxicity

## Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized		No data available				
propane-1,2-diol		No data available				
3,7-dimethyloctan-3-ol		No data available				
pentyl salicylate		No data available				
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		No data available				
alpha-hexylcinnamaldehyde		No data available				
benzyl salicylate		No data available				
dodecanal		No data available				
2-methylundecanal		No data available				
methyl non-2-ynoate		No data available				

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## Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized propane-1,2-diol		No data available				
3,7-dimethyloctan-3-ol	NOEC	13020	<i>Ceriodaphnia dubia</i>	Method not given	7 day(s)	
pentyl salicylate		No data available				
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		No data available				
alpha-hexylcinnamaldehyde		No data available				
benzyl salicylate		No data available				
dodecanal		No data available				
2-methylundecanal		No data available				
methyl non-2-ynoate		No data available				

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

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized propane-1,2-diol		No data available				
3,7-dimethyloctan-3-ol		No data available				
pentyl salicylate		No data available				
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		No data available				
alpha-hexylcinnamaldehyde		No data available				
benzyl salicylate		No data available				
dodecanal		No data available				
2-methylundecanal		No data available				
methyl non-2-ynoate		No data available				

**Terrestrial toxicity**

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

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

**12.2 Persistence and degradability****Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

**Biodegradation**

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT <sub>50</sub>	Method	Evaluation

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9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	Activated sludge, aerobic	CO <sub>2</sub> production	> 60% in 28 day(s)	OECD 301B	Readily biodegradable
propane-1,2-diol			> 70 % in 28 day(s)	OECD 301A	Readily biodegradable
3,7-dimethyloctan-3-ol					Readily biodegradable
pentyl salicylate					Not readily biodegradable.
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one					Not readily biodegradable.
alpha-hexylcinnamaldehyde					Not readily biodegradable.
benzyl salicylate				OECD 301F	Readily biodegradable
dodecanal				OECD 301F	Readily biodegradable
2-methylundecanal				OECD 301F	Readily biodegradable
methyl non-2-ynoate	Activated sludge, aerobic	Oxygen depletion	71% in 28 day(s)	OECD 301F	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

### 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	No data available			
propane-1,2-diol	-1.07	Method not given	No bioaccumulation expected	
3,7-dimethyloctan-3-ol	No data available			
pentyl salicylate	No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available			
alpha-hexylcinnamaldehyde	No data available			
benzyl salicylate	No data available			
dodecanal	No data available			
2-methylundecanal	No data available			
methyl non-2-ynoate	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	No data available				
propane-1,2-diol	No data available				
3,7-dimethyloctan-3-ol	No data available				
pentyl salicylate	No data available				
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available				
alpha-hexylcinnamaldehyde	No data available				
benzyl salicylate	No data available				
dodecanal	No data available				
2-methylundecanal	No data available				
methyl non-2-ynoate	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
9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	No data available				
propane-1,2-diol	No data available				Potential for mobility in soil, soluble in water
3,7-dimethyloctan-3-ol	No data available				
pentyl salicylate	No data available				
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	No data available				
alpha-hexylcinnamaldehyde	No data available				
benzyl salicylate	No data available				



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dodecanal	No data available				
2-methylundecanal	No data available				
methyl non-2-ynoate	No data available				

**12.5 Results of PBT and vPvB assessment**

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

**12.6 Endocrine disrupting properties**

Endocrine disrupting properties - Environmental effects, if available:

**12.7 Other adverse effects**

No other adverse effects known.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Waste from residues / unused products:**

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

**European Waste Catalogue:**

20 01 29\* - detergents containing dangerous substances.

**Empty packaging****Recommendation:**

Dispose of observing national or local regulations.

**Suitable cleaning agents:**

Water, if necessary with cleaning agent.

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

**14.1 UN number:** Non-dangerous goods

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

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

**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 and the IBC Code:** Non-dangerous goods

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

- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No 1272/2008 - CLP
- Regulation (EC) No. 648/2004 - Detergents regulation
- substances identified as having endocrine disrupting properties in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605
- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- International Maritime Dangerous Goods (IMDG) Code

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

**Ingredients according to EC Detergents Regulation 648/2004**

cationic surfactants

>= 30 %

perfumes , Hexyl Cinnamal, Benzyl Salicylate, Alpha-Isomethyl Ionone, Linalool, Geraniol, Citronellol, Coumarin, Eugenol, Limonene, Benzyl Alcohol

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Seveso - Classification:** Not classified

**15.2 Chemical safety assessment**

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

**SECTION 16: Other information**

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

**SDS code:** MS1001151**Version:** 03.3**Revision:** 2022-12-01**Reason for revision:**

This data sheet contains changes from the previous version in section(s):, Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006, 1, 3, 5, 6, 8, 9, 10, 15, 16

**Classification procedure**

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

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

- H302 - Harmful if swallowed.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H320 - Causes eye irritation.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- H411 - Toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

**Abbreviations and acronyms:**

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- ATE - Acute Toxicity Estimate
- DNEL - Derived No Effect Limit
- EC50 - effective concentration, 50%
- ERC - Environmental release categories
- EUH - CLP Specific hazard statement
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LCS - Life cycle stage
- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organisation for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative

**End of Safety Data Sheet**