



# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) and its latest amendment

Issuing Date: 19-Jul-2019

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Version 1

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Product Form	Mixture
Product Name	Febreze 3Volution Cotton Fresh
Product Identifier	91989995_RET_CLP_EUR_SAW-91961127-91989996
Synonyms	91989995 (+ 91961127 + 91989996) / PA00223540 (+ PA00223536 + PA00224046)
Product group	Trade Product

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

Recommended Use	Intended for general public
Main user category	SU 21 - Consumer uses: Private households (= general public = consumers)
Use category	PC3 - Air care products
Uses advised against	No information available

Product category Energized & Continuous

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

Details of the supplier of the safety data sheet	Procter & Gamble UK Brooklands, Weybridge, Surrey, KT13 0XP, UK Tel: 01932 896000 Fax: 01932 896200
E-mail Address	pgsds.im@pg.com

### 1.4 Emergency Telephone Number

Emergency Telephone (UK) Emergency Tel: 0800 328 8304 (IRL) Emergency Tel: 1800 509 497

## Section 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Chronic aquatic toxicity	Category 2 - (H411)

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### Adverse human health effects and symptoms

No information available

### 2.2 Label elements

Label according to Regulation (EC) No. 1272/2008



Signal Word

WARNING

**Hazard statements**

H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H317 - May cause an allergic skin reaction  
H411 - Toxic to aquatic life with long lasting effects

**Precautionary Statements**

P102 - Keep out of reach of children  
P302 + P352 - IF ON SKIN: Wash with plenty of water  
P305 + P351 - IF IN EYES: Rinse cautiously with water for several minutes  
P312 - Call a POISON CENTRE/doctor if you feel unwell  
P501 - Dispose of contents/container to an appropriate local waste system

**2.3 Other hazards**

**Other hazards which do not result in classification** No presence of PBT and vPvB ingredients.

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances**

Not applicable.

**3.2 Mixtures**

Chemical Name	CAS No	EC-No	REACH Registration No	Weight-%	GHS / CLP Classification 1272/2008 [CLP]	M-Factor (chronic)	M-Factor (acute)
PPG-2 Methyl Ether	34590-94-8	252-104-2	01-2119450011-60	>30	NC	1	1
2,6-Dimethyl-7-Octen-2-ol	18479-58-8	242-362-4	01-2119457274-37	5 - 10	Skin Irrit. 2(H315) Eye Irrit. 2(H319)	1	1
2-t-Butylcyclohexyl Acetate	88-41-5	201-828-7	01-2119970713-33	5 - 10	Aquatic Chronic 2(H411)	1	1
Linalool	78-70-6	201-134-4	01-2119474016-42	5 - 10	Skin Irrit. 2(H315) Skin Sens. 1B(H317) Eye Irrit. 2(H319)	1	1
Benzyl Acetate	140-11-4	205-399-7	01-2119638272-42	1 - 5	Aquatic Chronic 3(H412)	1	1
Pentamethylheptenone	86115-11-9	289-194-8	01-2119980043-42	1 - 5	Skin Sens. 1B(H317) Aquatic Chronic 2(H411)	1	1
Isobutyl Methyl Tetrahydropyranol	63500-71-0	405-040-6	01-2119455547-30	1 - 5	Eye Irrit. 2(H319)	1	1
Gamma-Undecalactone	104-67-6	203-225-4	01-2119959333-34	1 - 5	Aquatic Chronic 3(H412)	1	1
Terpineol Acetate	8007-35-0	232-357-5		1 - 5	Aquatic Chronic 2(H411)	1	1
Citral	5392-40-5	226-394-6	01-2119462829-23	1 - 5	Skin Irrit. 2(H315) Skin Sens. 1B(H317) Eye Irrit. 2(H319)	1	1
Propanoic Acid, 2-(1,1-Dimethylpropoxy)+	319002-92-1	437-530-0	01-0000018277-65	1 - 5	Aquatic Chronic 3(H412)	1	1
Decanal	112-31-2	203-957-4	01-2119967771-26	1 - 5	Eye Irrit. 2(H319) Aquatic Chronic 3(H412)	1	1
Alpha-Isomethyl Ionone	127-51-5	204-846-3		1 - 5	Skin Irrit. 2(H315) Skin Sens. 1B(H317) Aquatic Chronic 2(H411)	1	1
Geraniol	106-24-1	203-377-1	01-2119552430-49	<1	Skin Irrit. 2(H315) Skin Sens. 1B(H317) Eye Dam. 1(H318)	1	1
2,4-Dimethyl-3-Cyclohexene	68039-49-6	268-264-1	01-2119982384-28	<1	Skin Irrit. 2(H315)	1	1

Carboxaldehyde					Skin Sens. 1B(H317) Aquatic Chronic 2(H411)		
Hydroxycitronellal	107-75-5	203-518-7	01-2119973482-31	<1	Skin Sens. 1B(H317) Eye Irrit. 2(H319)	1	1
Dimethyl Heptenal	106-72-9	203-427-2		<1	Skin Sens. 1B(H317)	1	1
Nerol	106-25-2	203-378-7	01-2119983244-33	<1	Skin Irrit. 2(H315) Skin Sens. 1B(H317) Eye Dam. 1(H318)	1	1
Citronellal	106-23-0	203-376-6	01-2119474900-37	<1	Skin Irrit. 2(H315) Skin Sens. 1B(H317) Eye Irrit. 2(H319)	1	1
Delta-Damascone	57378-68-4	260-709-8	01-2119535122-53	<1	Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Skin Sens. 1A(H317) Aquatic Acute 1(H400) Aquatic Chronic 1(H410)	1	1
1-Methyl-4-(4-methylpentyl) Cyclohex-3-ene-1-Carbaldehyde	66327-54-6	266-314-7		<1	Skin Irrit. 2(H315) Aquatic Acute 1(H400) Aquatic Chronic 1(H410)	1	1
Lauraldehyde	112-54-9	203-983-6		<1	Skin Irrit. 2(H315) Skin Sens. 1B(H317) Eye Irrit. 2(H319)	1	1
Diphenyl Ether	101-84-8	202-981-2	01-2119472545-33	<1	Eye Irrit. 2(H319) Aquatic Acute 1(H400) Aquatic Chronic 3(H412)	1	1
7,7,8,9,9-pentamethyl-6,6a,7, 8,9,9a-hexahydro-5H-cyclopenta[h]quinazoline	1392325-86-8	801-694-5		<1	Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Skin Sens. 1B(H317) Aquatic Acute 1(H400) Aquatic Chronic 1(H410)	1	1
Methyl Decenol	81782-77-6	279-815-0	01-2119983528-21	<1	Aquatic Acute 1(H400) Aquatic Chronic 2(H411)	1	1
(1-methyl-2-(5-methylhex-4-en-2-yl)cyclopropyl)methanol	1655500-83-6	942-597-9	01-2120094067-52	<1	Acute Tox. 4 (Dermal)(H312) Skin Irrit. 2(H315) Eye Irrit. 2(H319) Skin Sens. 1(H317) Aquatic Chronic 2(H411)	1	1
4,7-Methano-1H-indene-5-acetaldehyde, octahydro-	1339119-15-1	940-300-7	01-2120045427-57	<1	Acute Tox. 4 (Oral)(H302) Acute Tox. 4 (Inhalation:dust,mist)(H332) Skin Irrit. 2(H315) Eye Irrit. 2(H319) Skin Sens. 1B(H317) Aquatic Acute 1(H400) Aquatic Chronic 1(H410)	1	1
Methylundecanal	110-41-8	203-765-0	01-2119969443-29	<1	Skin Irrit. 2(H315) Skin Sens. 1B(H317) Aquatic Acute 1(H400) Aquatic Chronic 1(H410)	1	1
Eugenol	97-53-0	202-589-1	01-2119971802-33	<1	Skin Sens. 1B(H317) Eye Irrit. 2(H319)	1	1
Undecan-2-one	112-12-9	203-937-5		<1	Aquatic Acute 1(H400)	1	1
Methoxyhydratropaldehyde	5462-06-6	226-749-5		<1	Skin Sens. 1B(H317)	1	1
Isoeugenol	97-54-1	202-590-7		<1	Acute Tox. 4 (Oral)(H302) Acute Tox. 4 (Dermal)(H312) Skin Irrit. 2(H315) Skin Sens. 1A(H317) Eye Irrit. 2(H319)	1	1

For the full text of the H-Statements mentioned in this Section, see Section 16.

## Section 4: FIRST AID MEASURES

### 4.1 Description of first-aid measures

#### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

#### Skin contact

IF ON SKIN: Wash with plenty of water and soap. Take off contaminated clothing and wash

	before reuse. If skin irritation or rash occurs: Get medical advice/attention. Discontinue use of product.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

<b>Symptoms/injuries after inhalation</b>	Coughing. Sneezing. Headache. Drowsiness. Dizziness. Shortness of breath.
<b>Symptoms/injuries after skin contact</b>	Redness. Swelling. Dryness. Itching.
<b>Symptoms/injuries after eye contact</b>	Severe pain. Redness. Swelling. Blurred vision.
<b>Symptoms/injuries after ingestion</b>	Oral mucosal or gastro-intestinal irritation. Nausea. Vomiting. Excessive secretion. Diarrhea.

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

Refer to section 4.1.

### Section 5: FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable extinguishing media** Dry chemical powder. Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>).

**Extinguishing Media Which Must Not Be Used For Safety Reasons** Solid water jet ineffective as extinguishing medium.

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

<b>Fire Hazard</b>	No fire hazard. Non-combustible.
<b>Explosion hazard</b>	Product is not explosive.
<b>Reactivity</b>	No dangerous reaction known under conditions of normal use.

#### 5.3 Advice for firefighters

<b>Special protective equipment for fire-fighters</b>	No specific firefighting instructions required.
<b>Protective equipment and precautions for firefighters</b>	In case of inadequate ventilation wear respiratory protection.

### Section 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	Wear suitable gloves and eye/face protection.
<b>Advice for emergency responders</b>	Wear suitable gloves and eye/face protection.

#### 6.2 Environmental precautions

**Environmental precautions** Prevent soil and water pollution. Prevent spreading in sewers.

#### 6.3 Methods and materials for containment and cleaning up

<b>Methods for containment</b>	Scoop absorbed substance into closing containers.
<b>Methods for cleaning up</b>	Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Large Spills: contain released substance, pump into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation.
<b>Other information</b>	Not applicable.

#### 6.4 Reference to other sections

**Other information** Refer to Sections 8 and 13.

### Section 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Advice on safe handling

Avoid contact with eyes. Avoid contact with skin. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. People suffering from perfume sensitivity should be cautious when using this product. Ventilate the room after use.

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

#### Technical measures/Storage conditions

Store in original container. Refer to section 10.

#### Incompatible products

Refer to section 10.

#### Incompatible materials

Refer to section 10.

#### Prohibitions on mixed storage

Not applicable.

#### Requirements for storage rooms and containers

Store in a cool area. Store in a dry area.

### 7.3 Specific end uses

Refer to section 1.2.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### National Occupational Exposure Limits

Chemical Name	CAS No	Norway	Ireland	United Kingdom	European Union
PPG-2 Methyl Ether	34590-94-8	TWA: 50 ppm TWA: 300 mg/m <sup>3</sup> Skin STEL: 75 ppm STEL: 375 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 308 mg/m <sup>3</sup> STEL: 150 ppm STEL: 924 mg/m <sup>3</sup> Skin	STEL: 150 ppm STEL: 924 mg/m <sup>3</sup> TWA: 50 ppm TWA: 308 mg/m <sup>3</sup> Skin	S* TWA 50 ppm TWA 308 mg/m <sup>3</sup>
Benzyl Acetate	140-11-4		TWA: 10 ppm STEL: 30 ppm		
Citral	5392-40-5		TWA: 5 ppm STEL: 15 ppm		
Diphenyl Ether	101-84-8	TWA: 1 ppm TWA: 7 mg/m <sup>3</sup> STEL: 2 ppm STEL: 14 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 7 mg/m <sup>3</sup> STEL: 2 ppm STEL: 14 mg/m <sup>3</sup>	STEL: 3 ppm STEL: 21.3 mg/m <sup>3</sup> TWA: 1 ppm TWA: 7.1 mg/m <sup>3</sup>	

#### Derived No Effect Level (DNEL)

##### Workers

Chemical Name	CAS No	Worker - dermal, short-term - systemic	Worker - inhalative, short-term - systemic	Worker - dermal, short-term - local
Linalool	78-70-6	5 mg/kg bw/d	16.5 mg/m <sup>3</sup>	15 mg/cm <sup>2</sup>
Hydroxycitronellal	107-75-5			0.5 mg/cm <sup>2</sup>
Delta-Damascone	57378-68-4			0.014 mg/cm <sup>2</sup>

Chemical Name	CAS No	Worker - inhalative, short-term - local	Worker - dermal, long-term - systemic	Worker - inhalative, long-term - systemic
PPG-2 Methyl Ether	34590-94-8		283 mg/kg bw/d	308 mg/m <sup>3</sup>
Linalool	78-70-6		2.5 mg/kg bw/d	2.8 mg/m <sup>3</sup>
Gamma-Undecalactone	104-67-6		5.38 mg/kg bw/d	19 mg/m <sup>3</sup>
Citral	5392-40-5		1.7 mg/kg bw/d	9 mg/m <sup>3</sup>
Decanal	112-31-2		7 mg/kg bw/d	24.9 mg/m <sup>3</sup>
Geraniol	106-24-1		12.5 mg/kg bw/d	161.6 mg/m <sup>3</sup>
Hydroxycitronellal	107-75-5		1.9 mg/kg bw/d	18 mg/m <sup>3</sup>
Nerol	106-25-2		0.76 mg/kg bw/d	5.4 mg/m <sup>3</sup>
Citronellal	106-23-0		1.7 mg/kg bw/d	9 mg/m <sup>3</sup>
Delta-Damascone	57378-68-4		0.4 mg/kg bw/d	1.5 mg/m <sup>3</sup>
Methyl Decenol	81782-77-6		0.5 mg/kg bw/d	0.88 mg/m <sup>3</sup>
Lauraldehyde	112-54-9		14.1 mg/kg bw/d	49.7 mg/m <sup>3</sup>
Methylundecanal	110-41-8		7 mg/kg bw/d	25.2 mg/m <sup>3</sup>

Eugenol	97-53-0	6 mg/kg bw/d	21.2 mg/m <sup>3</sup>
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Chemical Name	CAS No	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Linalool	78-70-6	15 mg/cm <sup>2</sup>	
Citral	5392-40-5	0.14 mg/cm <sup>2</sup>	
Geraniol	106-24-1	11.8 mg/cm <sup>2</sup>	
Nerol	106-25-2	0.133 mg/cm <sup>2</sup>	
Citronellal	106-23-0	0.14 mg/cm <sup>2</sup>	
Methyl Decenol	81782-77-6	0.05 mg/cm <sup>2</sup>	
Lauraldehyde	112-54-9	0.00057 mg/cm <sup>2</sup>	
Methylundecanal	110-41-8	1.67 mg/cm <sup>2</sup>	

**Consumers**

Chemical Name	CAS No	Consumer - inhalative, short-term - local	Consumer - dermal, short-term - local	Consumer - oral, short-term - systemic
Linalool	78-70-6		15 mg/cm <sup>2</sup>	1.2 mg/kg bw/d
Hydroxycitronellal	107-75-5		0.5 mg/cm <sup>2</sup>	
Delta-Damascone	57378-68-4		0.0086 mg/cm <sup>2</sup>	

Chemical Name	CAS No	Consumer - inhalative, short-term - systemic	Consumer - dermal, short-term - systemic	Consumer - oral, long-term - local
Linalool	78-70-6	4.1 mg/m <sup>3</sup>	2.5 mg/kg bw/d	

Chemical Name	CAS No	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - local	Consumer - dermal, long-term - local
PPG-2 Methyl Ether	34590-94-8	36 mg/kg bw/d		
Linalool	78-70-6	0.2 mg/kg bw/d		15 mg/cm <sup>2</sup>
Gamma-Undecalactone	104-67-6	2.7 mg/kg bw/d		
Citral	5392-40-5	0.6 mg/kg bw/d		0.14 mg/cm <sup>2</sup>
Decanal	112-31-2	3.5 mg/kg bw/d		
Geraniol	106-24-1	13.75 mg/kg bw/d		11.8 mg/cm <sup>2</sup>
Hydroxycitronellal	107-75-5	0.6 mg/kg bw/d		
Nerol	106-25-2	0.38 mg/kg bw/d		
Citronellal	106-23-0	0.6 mg/kg bw/d		0.14 mg/cm <sup>2</sup>
Delta-Damascone	57378-68-4	0.25 mg/kg bw/d		
Methyl Decenol	81782-77-6	0.06 mg/kg bw/d		0.02 mg/cm <sup>2</sup>
Lauraldehyde	112-54-9	7 mg/kg bw/d		0.00028 mg/cm <sup>2</sup>
Methylundecanal	110-41-8	3.5 mg/kg bw/d		0.83 mg/cm <sup>2</sup>
Eugenol	97-53-0	3 mg/kg bw/d		

Chemical Name	CAS No	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
PPG-2 Methyl Ether	34590-94-8	37.2 mg/m <sup>3</sup>	121 mg/kg bw/d
Linalool	78-70-6	0.7 mg/m <sup>3</sup>	1.25 mg/kg bw/d
Gamma-Undecalactone	104-67-6	4.68 mg/m <sup>3</sup>	2.7 mg/kg bw/d
Citral	5392-40-5	2.7 mg/m <sup>3</sup>	1 mg/kg bw/d
Decanal	112-31-2	6.1 mg/m <sup>3</sup>	3.5 mg/kg bw/d
Geraniol	106-24-1	47.8 mg/m <sup>3</sup>	7.5 mg/kg bw/d
Hydroxycitronellal	107-75-5	5.4 mg/m <sup>3</sup>	1.1 mg/kg bw/d
Nerol	106-25-2	1.3 mg/m <sup>3</sup>	0.38 mg/kg bw/d
Citronellal	106-23-0	2.7 mg/m <sup>3</sup>	1 mg/kg bw/d
Delta-Damascone	57378-68-4	1.5 mg/m <sup>3</sup>	0.4 mg/kg bw/d
Methyl Decenol	81782-77-6	0.22 mg/m <sup>3</sup>	0.25 mg/kg bw/d
Lauraldehyde	112-54-9	12.3 mg/m <sup>3</sup>	7 mg/kg bw/d
Methylundecanal	110-41-8	3.1 mg/m <sup>3</sup>	3.5 mg/kg bw/d
Eugenol	97-53-0	5.22 mg/m <sup>3</sup>	3 mg/kg bw/d

**Predicted No Effect Concentration (PNEC)**

Chemical Name	CAS No	Fresh Water	Marine water	Intermittent release
PPG-2 Methyl Ether	34590-94-8	19 mg/L	1.9 mg/L	190 mg/L

Linalool	78-70-6	0.2 mg/L	0.02 mg/L	2 mg/L
Gamma-Undecalactone	104-67-6	0.00585 mg/L	0.000585 mg/L	0.0585 mg/L
Citral	5392-40-5	0.00678 mg/L	0.000678 mg/L	0.0678 mg/L
Decanal	112-31-2	0.00117 mg/L	0.000117 mg/L	0.0117 mg/L
Geraniol	106-24-1	0.0108 mg/L	0.00108 mg/L	0.108 mg/L
Hydroxycitronellal	107-75-5	0.0316 mg/L	0.00316 mg/L	0.316 mg/L
Nerol	106-25-2	0.00745 mg/L	0.000745 mg/L	0.0745 mg/L
Citronellal	106-23-0	0.00868 mg/L	0.00087 mg/L	0.0868 mg/L
Delta-Damascone	57378-68-4	0.007 mg/L	0.0007 mg/L	
Methyl Decenol	81782-77-6	0.0004 mg/L	0.00004 mg/L	0.004 mg/L
Lauraldehyde	112-54-9	0.0035 mg/L	0.00035 mg/L	0.035 mg/L
Methylundecanal	110-41-8	0.00018 mg/L	0.000018 mg/L	0.0018 mg/L
Eugenol	97-53-0	0.00113 mg/L	0.000113 mg/L	0.0113 mg/L

Chemical Name	CAS No	Freshwater sediment	Marine sediment	Sewage treatment plant
PPG-2 Methyl Ether	34590-94-8	70.2 mg/kg sediment dw	7.02 mg/kg sediment dw	4168 mg/L
Linalool	78-70-6	2.22 mg/kg sediment dw	0.222 mg/kg sediment dw	10 mg/L
Gamma-Undecalactone	104-67-6	0.628 mg/kg sediment dw	0.063 mg/kg sediment dw	80 mg/L
Citral	5392-40-5	0.125 mg/kg sediment dw	0.0125 mg/kg sediment dw	1.6 mg/L
Decanal	112-31-2	0.0972 mg/kg sediment dw	0.00972 mg/kg sediment dw	3.16 mg/L
Geraniol	106-24-1	0.115 mg/kg sediment dw	0.0115 mg/kg sediment dw	0.7 mg/L
Hydroxycitronellal	107-75-5	0.145 mg/kg sediment dw	0.0145 mg/kg sediment dw	10 mg/L
Nerol	106-25-2	0.133 mg/kg sediment dw	0.0133 mg/kg sediment dw	12.9 mg/L
Citronellal	106-23-0	0.159 mg/kg sediment dw	0.0159 mg/kg sediment dw	4 mg/L
Delta-Damascone	57378-68-4	0.906 mg/kg sediment dw	0.0906 mg/kg sediment dw	2.41 mg/L
Methyl Decenol	81782-77-6	0.04484 mg/kg sediment dw	0.004484 mg/kg sediment dw	10 mg/L
Lauraldehyde	112-54-9	1.41 mg/kg sediment dw	0.141 mg/kg sediment dw	10 mg/L
Methylundecanal	110-41-8	0.072 mg/kg sediment dw	0.0072 mg/kg sediment dw	10 mg/L
Eugenol	97-53-0	0.081 mg/kg sediment dw	0.0081 mg/kg sediment dw	

Chemical Name	CAS No	Soil	air	Oral
PPG-2 Methyl Ether	34590-94-8	2.74 mg/kg soil dw		
Linalool	78-70-6	0.327 mg/kg soil dw		
Gamma-Undecalactone	104-67-6	0.122 mg/kg soil dw		
Citral	5392-40-5	0.0209 mg/kg soil dw		
Decanal	112-31-2	0.0187 mg/kg soil dw		
Geraniol	106-24-1	0.0167 mg/kg soil dw		
Hydroxycitronellal	107-75-5	0.0105 mg/kg soil dw		
Nerol	106-25-2	0.0223 mg/kg soil dw		
Citronellal	106-23-0	0.0267 mg/kg soil dw		
Delta-Damascone	57378-68-4	0.177 mg/kg soil dw		
Methyl Decenol	81782-77-6	0.00945 mg/kg soil dw		
Lauraldehyde	112-54-9	0.278 mg/kg soil dw		
Methylundecanal	110-41-8	0.0143 mg/kg soil dw		
Eugenol	97-53-0	0.0155 mg/kg soil dw		

## 8.2 Exposure controls

**Appropriate engineering controls** No information available

<b>Personal protective equipment</b>	Protective personal equipment only required in case of professional use or for large packs (not for household packs). For consumer use please follow recommendation as indicated on the label of the product.
<b>Hand Protection</b>	Wear suitable gloves.
<b>Eye Protection</b>	Wear eye/face protection.
<b>Skin and Body Protection</b>	Wear suitable gloves.
<b>Respiratory Protection</b>	Not applicable.
<b>Thermal hazards</b>	Not applicable.
<b>Environmental exposure controls</b>	Prevent that the undiluted product reaches surface waters.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Property	Value / Units	Test Method / Notes
Appearance	Liquid	
Physical state	Liquid	
Color	Clear	
Odor	pleasant (perfume)	
Odor threshold	No data available	Perceived odor at typical use conditions
pH	No data available	Non-aqueous solution
Melting point / freezing point	No data available	Not available. This property is not relevant for the safety and classification of this product
Boiling point / boiling range	> 200 °C	
Flash point	> 60 °C	
Relative Evaporation Rate (butylacetate=1)	No data available	Not available. This property is not relevant for the safety and classification of this product
Flammability (solid, gas)	Not applicable	Not applicable. This property is not relevant for liquid product forms
Upper/lower flammability or explosive limits	No data available	Not available. This property is not relevant for the safety and classification of this product
Vapor pressure	No data available	Not available. This property is not relevant for the safety and classification of this product
Relative density	0.93 - 0.99	
Solubility	Insoluble in water	
Partition Coefficient (n-octanol/water)	Not available	Not available. This property is not relevant for the safety and classification of this product
Autoignition temperature	No data available	Not available. This property is not relevant for the safety and classification of this product
Decomposition temperature	No data available	Not available. This property is not relevant for the safety and classification of this product
Viscosity	3 - 12 cP	
Explosive properties	No data available	Not applicable. This product is not classified as explosive as it does not contain any substances which possesses explosive properties CLP (Art 14 (2)).
Oxidizing properties	No data available	Not applicable. This product is not classified as oxidizing as it does not contain any substances which possesses oxidizing properties CLP (Art 14 (2) )

### 9.2 Other information

Other information No information available.

## Section 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reactions known.

### 10.2 Chemical stability

Stable under normal conditions.



**10.3 Possibility of hazardous reactions**

See section 10.1 on reactivity for more information.

**10.4 Conditions to Avoid**

None under normal use conditions.

**10.5 Incompatible materials**

Not applicable.

**10.6 Hazardous Decomposition Products**

None under normal use conditions.

**Section 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Mixture**

<b>Acute toxicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Skin sensitization</b>	May cause an allergic skin reaction.
<b>Respiratory sensitization</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>STOT - single exposure</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Not Classified. Based on the available data, the classification criteria are not met.

**Substances in the mixture**

Chemical Name	CAS No	Oral LD50	Dermal LD50	Inhalation LC50
PPG-2 Methyl Ether	34590-94-8	//	//	//
Linalool	78-70-6	2790 mg/kg bodyweight (rat)	-	-
Citral	5392-40-5	-	2500 mg/kg bodyweight (rat)	-
Geraniol	106-24-1	3600 mg/kg bodyweight (rat)	-	-
Nerol	106-25-2	4500 mg/kg bodyweight (rat)	-	-
Citronellal	106-23-0	2500 mg/kg bodyweight (rat)	//	//
Delta-Damascone	57378-68-4	1400 mg/kg (rat)	-	-
Lauraldehyde	112-54-9	//	//	//
Eugenol	97-53-0	2300 mg/kg bodyweight (rat)	-	-
Isoeugenol	97-54-1	1500 mg/kg (rat)	1900 mg/kg (rabbit)	-

**Section 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

**Ecotoxicity effects** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Acute toxicity**

Chemical Name	CAS No	Fish	Algae/aquatic plants	Crustacea	Toxicity to microorganisms
PPG-2 Methyl Ether	34590-94-8	> 1000 mg/L (OECD 203; Poecilia reticulata; 96 h)	> 969 mg/L (OECD 201; Pseudokirchnerella subcapitata; 72 h)	1919 mg/L (//OECD 202; Daphnia magna; 48 h)	-
Linalool	78-70-6	27.8 mg/L (OECD 203; Oncorhynchus mykiss; 96 h)	156.7 mg/L (DIN 38412 L 9; Desmodosmus subspicatus; 96 h)	59 mg/L (OECD 202; Daphnia magna; 48 h)	> 100 mg/L (OECD 209; 3 h)

Gamma-Undecalactone	104-67-6	5.5 mg/L (QSAR ECOSAR v1.11; 96 h)	5.94 mg/L (OECD 201; Pseudokirchneriella subcapitata; 48 h)	5.853 mg/L (EC 440/2008 C.2; Daphnia magna; 48 h)	-
Citral	5392-40-5	6.78 mg/L (DIN 38412; Leuciscus idus; 96 h)	103.8 mg/L (DIN 38412 L9; Desmodesmus subspicatus; 72 h)	6.8 mg/L (EC 440/2008 C.2; Daphnia magna; 48 h)	160 mg/L (OECD 209; 0.5 h)
Decanal	112-31-2	1.45 mg/L (OECD 203; Oncorhynchus mykiss; 96 h)	4.5 mg/L (OECD 201; Pseudokirchneriella subcapitata; 72 h)	1.17 mg/L (OECD 202; Daphnia magna; 48 h)	70 mg/L (OECD 209; 3 h)
Geraniol	106-24-1	22 mg/L (OECD 203; Danio rerio; 96 h)	13.1 mg/L (OECD 201; Desmodesmus subspicatus; 72 h)	10.8 mg/L (OECD 202; Daphnia magna; 48 h)	70 mg/L (OECD 209; 0.5 h)
Hydroxycitronellal	107-75-5	31.6 mg/L (DIN 38412; Leuciscus idus; 96 h)	123.32 mg/L (OECD 201; Desmodesmus subspicatus; 72 h)	410 mg/L (EC 440/2008 C.2; Daphnia magna; 48 h)	950 mg/L (DIN 38412; Pseudomonas putida; 17 h)
Nerol	106-25-2	20.3 mg/L (OECD 203; Danio rerio; 96 h)	9.54 mg/L (OECD 201; Pseudokirchneriella subcapitata; 72 h)	32.4 mg/L (OECD 202; Daphnia magna; 48 h)	241 mg/L (OECD 209; 3 h)
Citronellal	106-23-0	22 mg/L (DIN 38 412; Leuciscus idus; 96 h)	13.33 mg/L (DIN 38412; Desmodesmus subspicatus; 72 h)	8.7 mg/L (EC 440/2008 C.2; Daphnia magna; 48 h)	-
Lauraldehyde	112-54-9	2.6 mg/L (OECD 203; Oncorhynchus mykiss; 96 h)	> 0.048 mg/L (OECD 201; Pseudokirchneriella subcapitata; 72 h)	> 0.48 mg/L (OECD 202; Daphnia magna; 48 h)	> 16 mg/L (DIN 38412; Pseudomonas putida; 16 h)
7,7,8,9,9-pentamethyl-6,6a,7,8,9,9a-hexahydro-5H-cyclopenta[h]quinazoline	1392325-86-8	0.64 mg/L (OECD 203; Danio rerio; 96 h)	3.4 mg/L (OECD 201; Pseudokirchneriella subcapitata; 72 h)	1 mg/L (OECD 202; Daphnia magna; 48 h)	> 56 mg/L (OECD 209; activated sludge of a predominantly domestic sewage; 3 h)
Methyl Decenol	81782-77-6	3 mg/L (OECD 203; Pimephales promelas; 96 h)	3.8 mg/L (OECD 201; Pseudokirchneriella subcapitata; 96 h)	0.4 mg/L (OECD 202; Daphnia magna; 48 h)	-
Eugenol	97-53-0	13 mg/L (OECD 203; Danio rerio; 96 h)	24 mg/L (OECD 201; Desmodesmus subspicatus; 72 h)	1.13 mg/L (OECD 202; Daphnia magna; 48 h)	-
Methylundecanal	110-41-8	0.35 mg/L (OECD 203; Oncorhynchus mykiss; 96 h)	0.18 mg/L (OECD 201; Pseudokirchneriella subcapitata; 72 h)	0.21 mg/L (OECD 202; Daphnia magna; 48 h)	-

**Chronic Toxicity**

Chemical Name	CAS No	Toxicity to fish (NOEC or ECx)*	Toxicity to algae (NOEC or ECx)*	Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)*	Toxicity to Microorganisms (NOEC or ECx)*
PPG-2 Methyl Ether	34590-94-8		969 mg/L (OECD 201; Pseudokirchneriella subcapitata; 3 d)	> 0.5 mg/L (//OECD 211; Daphnia magna; 22 d)	4168 mg/L (Pseudomonas putida; 0.75 d)
Linalool	78-70-6		54.3 mg/L (DIN 38412 L 9; Desmodesmus subspicatus; 4 d)		> 100 mg/L (OECD 209; 0.125 d)
Gamma-Undecalactone	104-67-6		0.779 mg/L (OECD 201; Pseudokirchneriella subcapitata; 2 d)		
Citral	5392-40-5		3 mg/L (DIN 38412 L9; Desmodesmus subspicatus; 3 d)		68 mg/L (OECD 209; 0.02083 d)
Decanal	112-31-2		0.759 mg/L (OECD 201;		31.6 mg/L (OECD 209; 0.125 d)

			Pseudokirchneriella subcapitata; 3 d)		
Geraniol	106-24-1				13 mg/L (OECD 209; 0.5 h)
Hydroxycitronellal	107-75-5		42.36 mg/L (OECD 201; Desmodesmus subspicatus; 3 d)		> 1000 mg/L (OECD 209; 0.5 h)
Nerol	106-25-2		3.48 mg/L (OECD 201; Pseudokirchneriella subcapitata; 3 d)		
Citronellal	106-23-0		4.52 mg/L (DIN 38412; Desmodesmus subspicatus; 3 d)		400 mg/L (ISO 8192; 0.5 h)
7,7,8,9,9-pentamethyl-6,6a,7,8,9,9a-hexahydro-5H-cyclopenta[h]quinazoline	1392325-86-8		0.2 mg/L (OECD 201; Pseudokirchneriella subcapitata; 3 d)	0.56 mg/L (OECD 202; Daphnia magna; 2 d)	
Methyl Decenol	81782-77-6		1.3 mg/L (OECD 201; Pseudokirchneriella subcapitata; 4 d)		
Eugenol	97-53-0		23 mg/L (OECD 201; Desmodesmus subspicatus; 3 d)		
Methylundecanal	110-41-8		0.089 mg/L (OECD 201; Pseudokirchneriella subcapitata; 3 d)		

**12.2 Persistence and degradability****Persistence and degradability**

Chemical Name	CAS No	Persistence and degradability	Ready Biodegradation Test (OECD 301)
PPG-2 Methyl Ether	34590-94-8	Biodegradable.	96% DOC; OECD 301 F; 75% (10 d)
Linalool	78-70-6	Biodegradable.	64.2% O <sub>2</sub> ; OECD 301 D; 28 d
Gamma-Undecalactone	104-67-6		82% O <sub>2</sub> ; OECD 301 F; 80% (10 d)
Citral	5392-40-5	Biodegradable.	85% O <sub>2</sub> ; //OECD 301 C
Decanal	112-31-2		82% O <sub>2</sub> ; OECD 301 F; 62% (10 d)
Geraniol	106-24-1		90% DOC; OECD 301 A; 91% (3 d)
Hydroxycitronellal	107-75-5	Biodegradable.	80% O <sub>2</sub> ; OECD 301 F; 21 d; > 60% (10 d)
Nerol	106-25-2		90% O <sub>2</sub> ; OECD 301 D; > 60% (10-d)
Citronellal	106-23-0		83% CO <sub>2</sub> ; OECD 301 B; > 60% (10 d)
Lauraldehyde	112-54-9		73% O <sub>2</sub> ; OECD 301 F
7,7,8,9,9-pentamethyl-6,6a,7,8,9,9a-hexahydro-5H-cyclopenta[h]quinazoline	1392325-86-8		0% CO <sub>2</sub> (OECD 310 B; 28 d)
Methyl Decenol	81782-77-6	Biodegradable.	73% O <sub>2</sub> ; OECD 301 F; > 60% (10-d)
Eugenol	97-53-0		82% O <sub>2</sub> ; EC 440/2008 C.4-E; 28 d
Methylundecanal	110-41-8		68% O <sub>2</sub> ; OECD 301 F

**12.3 Bioaccumulative potential****Bioaccumulative potential**

No information available.

Chemical Name	CAS No	Bioaccumulative potential	Octanol/water partition coefficient
PPG-2 Methyl Ether	34590-94-8	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	0.004
Linalool	78-70-6	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	2.84
Gamma-Undecalactone	104-67-6	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	3.6
Citral	5392-40-5	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	2.76

		4)	
Decanal	112-31-2	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	3.8
Geraniol	106-24-1	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	2.6
Hydroxycitronellal	107-75-5	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	1.68
Nerol	106-25-2	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	2.76
Citronellal	106-23-0	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	3.62
Lauraldehyde	112-54-9	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	4.9
7,7,8,9,9-pentamethyl-6,6a,7,8,9,9a-hexahydro-5H-cyclopenta[h]quinazoline	1392325-86-8		5.43
Methyl Decenol	81782-77-6	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	3.9
Eugenol	97-53-0	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	1.83
Methylundecanal	110-41-8	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	4.9

#### 12.4 Mobility in soil

**Mobility** No information available.

Chemical Name	CAS No	log Koc
Gamma-Undecalactone	104-67-6	709.2 (QSAR KOCWIN v2.00)
Citral	5392-40-5	147.7 (QSAR PCKOCWIN v1.66)
Decanal	112-31-2	794.33 (OECD 121)
Geraniol	106-24-1	70.79 (QSAR PCKOCWIN v1.66)
Hydroxycitronellal	107-75-5	10 (QSAR PCKOCWIN v2.00)
Nerol	106-25-2	94.15 (QSAR KOCWIN v2.00)
Citronellal	106-23-0	147.7 (QSAR PCKOCWIN v1.66)
Lauraldehyde	112-54-9	3981.07 (OECD 121)
Methyl Decenol	81782-77-6	1174.89 (OECD 121)
Methylundecanal	110-41-8	3981.072 (OECD 121)

#### 12.5 Results of PBT and vPvB assessment

**PBT and vPvB assessment** This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### 12.6 Other adverse effects

**Other adverse effects** No information available.

### Section 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Waste from Residues/Unused Products** Dispose of in accordance with local regulations.

#### Disposal Recommendations

The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. Waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. Where possible recycling is preferred to disposal or incineration. For handling waste, see measures described in section 7. Empty, uncleaned packaging need the same disposal considerations as filled packaging.

**EWC Waste Disposal No** 20 01 29\* - detergents containing dangerous substances  
15 01 10\* - packaging containing residues of or contaminated by dangerous substances

**13.2 Additional information**

**Section 14: TRANSPORT INFORMATION**

**IMDG**

**14.1 UN Number** UN3082  
**14.2 UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.(Pentamethylheptenone, 2-t-Butylcyclohexyl Acetate), 9, III, Marine pollutant  
**14.3 Transport hazard class(es)** 9  
**14.4 Packing Group** III  
**14.5 Marine pollutant** Yes  
**EmS-No.** F-A, S-F  
**14.7 Transport in bulk according to** No information available  
**Annex II of MARPOL and the IBC**  
**Code**  
**IMDG Comment** Product is not regulated for transport by vessel in retail packaging per IMDG 2.10.2.7

**IATA**

**14.1 UN Number** UN3082  
**14.2 UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.(Pentamethylheptenone, 2-t-Butylcyclohexyl Acetate), 9, III  
**14.3 Transport hazard class(es)** 9  
**14.4 Packing Group** III  
**14.5 Marine pollutant** Yes  
**Comments** Product is not regulated for transport by air in retail packaging per IATA Special Provision  
A197

**ADR**

**14.1 UN Number** UN3082  
**14.2 UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.(Pentamethylheptenone, 2-t-Butylcyclohexyl Acetate), 9, III  
**14.3 Transport hazard class(es)** 9  
**14.4 Packing Group** III  
**14.5 Marine pollutant** Yes  
**Classification code** M6  
**Labels** 9  
**ADR Comment** Product is not regulated for transport in retail packaging < 5 L / 5 KG

**RID**

**14.1 UN Number** UN3082  
**14.2 UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.(Pentamethylheptenone, 2-t-Butylcyclohexyl Acetate), 9, III  
**14.3 Transport hazard class(es)** 9  
**14.4 Packing Group** III  
**14.5 Marine pollutant** Yes  
**Classification code** M6  
**Labels** 9

**ADN**

**14.1 UN Number** UN3082  
**14.2 UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

	N.O.S.(Pentamethylheptenone, 2-t-Butylcyclohexyl Acetate), 9, III
<b>14.3 Transport hazard class(es)</b>	9
<b>14.4 Packing Group</b>	III
<b>14.5 Marine pollutant</b>	Yes
<b>Classification code</b>	M6
<b>Hazard label(s)</b>	9
<b>Limited quantity (LQ)</b>	5 L
<b>Equipment Requirements</b>	PP
<b>ADN Comment</b>	Product is not regulated for transport in retail packaging < 5 L / 5 KG

## 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 Annex XVII Substances subject to restriction on marketing and use as amended** Contains no REACH substances with Annex XVII restrictions.

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended** Contains no substance on the REACH candidate list.

**Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation** Contains no REACH Annex XIV substances.

**Other regulations, restrictions and prohibition regulations** Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]. Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006).

#### National regulatory information

### 15.2 Chemical Safety Assessment

**Chemical Safety Assessment** No chemical safety assessment has been carried out for this mixture per REACH regulation.

#### International Inventories

## Section 16: OTHER INFORMATION

### 16.1 Indication of changes

<b>Issuing Date:</b>	19-Jul-2019
<b>Revision date</b>	19-Jul-2019
<b>Revision Note</b>	Not applicable

### 16.2 Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ATE: Acute Toxicity Estimate  
DNEL: Derived No Effect Level  
IATA: International Air Transport Association  
IMDG: International Maritime Dangerous Goods Code  
LC50: Lethal Concentration to 50% of a test population  
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose)  
OEL: Occupational Exposure Limit  
PBT: Persistent, Bioaccumulative and Toxic substance  
PNEC(s): Predicted No Effect Concentration(s)  
REACH- Registration, Evaluation and Authorization of Chemicals

vPvB: Very Persistent and Very Bioaccumulative

### 16.3 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

#### **Skin corrosion/irritation**

Category 2 - Calculation method

#### **Serious eye damage/eye irritation**

Category 2 - Calculation method

#### **Skin sensitization**

Category 1 - Calculation method

#### **Chronic aquatic toxicity**

Category 2 - Calculation method

### 16.4 Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed

H312 - Harmful in contact with skin

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

H332 - Harmful if inhaled

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H411 - Toxic to aquatic life with long lasting effects

H412 - Harmful to aquatic life with long lasting effects

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 and its amendment Regulation (EU) 2015/830

### 16.5 Training Advice

Normal use of this product shall imply use in accordance with the instructions on the packaging.

### 16.6 Further information

Salts listed in Section 3 without a REACh Registration number are exempt, based on Annex V.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

**End of SDS**