

# Safety Data Sheet

According to Regulation (EC) No 1907/2006

# Horizon Deosoft Iris

Revision: 2025-04-28

Version: 04.1

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

### 1.1 Product identifier

Trade name: Horizon Deosoft Iris

UFI: F5N1-E0XN-400U-XUS7

#### 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\_8b\_1 AISE\_SWED\_PW\_1\_1

AISE\_SWED\_PW\_4\_1

1.3 Details of the supplier of the safety data sheet Diversey Europe Operations BV, De Corridor 4, 3621ZB Breukelen [Maarssenbroeksedijk 2, 3542DN Utrecht], The Netherlands

Tel: 01 8081808 (9am - 5pm Mon-Fri) Email: dublin.orders@solenis.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

Eye irritation, Category 2 (H319) Skin sensitisation, Category 1 (H317) Chronic aquatic toxicity, Category 3 (H412)

# 2.2 Label elements



Signal word: Warning.

Contains isoeugenol (Isoeugenol), 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (Tetramethyl Acetyloctahydronaphthalenes), alpha-hexylcinnamaldehyde (Hexyl Cinnamal), benzyl alcohol (Benzyl Alcohol), methyl non-2-ynoate (Methyl Octine Carbonate)

# Hazard statements:

H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

**Precautionary statements:** 

P280 - Wear protective gloves.

# 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
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	931-203-0	-	01-211946388 9-16	Chronic aquatic toxicity, Category 3 (H412)		3-10
C12-14 alcohols, ethoxylated (7EO)	[4]	68439-50-9	[4]	Acute toxicity - Oral, Category 4 (H302) Serious eye damage, Category 1 (H318) Chronic aquatic toxicity, Category 3 (H412)		1-3
alpha-hexylcinnamaldehyde	202-983-3	101-86-0	01-211953309 2-50	Skin sensitisation, Sub-category 1B (H317) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 2 (H411)		0.1-1
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetr amethyl-2-naphthyl)ethan-1-one	259-174-3	54464-57-2	01-211948998 9-04	Skin irritation, Category 2 (H315) Skin sensitisation, Sub-category 1B (H317) Chronic aquatic toxicity, Category 1 M=1 (H410)		0.1-1
benzyl alcohol	202-859-9	100-51-6	01-211949263 0-38	Acute toxicity - Oral, Category 4 (H302) Eye irritation, Category 2 (H319) Skin sensitisation, Sub-category 1B (H317)		0.1-1
bronopol (INN)	200-143-0	52-51-7	01-211998093 8-15	Acute toxicity - Oral, Category 4 (H302) Acute toxicity - Dermal, Category 4 (H312) Specific target organ toxicity - Single exposure, Category 3 (H335) Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Acute aquatic toxicity, Category 1 M=10 (H400) Chronic aquatic toxicity, Category 1 M=1 (H410)		0.01-0.1
methyl non-2-ynoate	203-909-2	111-80-8	01-212013991 2-55	Acute toxicity - Oral, Category 4 (H302) Skin irritation, Category 2 (H315) Skin sensitisation, Sub-category 1A (H317) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 3 (H412)		0.01-0.1
isoeugenol	202-590-7	97-54-1	01-212022368 2-61	Skin sensitisation, Sub-category 1A (H317)		0.01-0.1

#### Specific concentration limits

soeugenol:
Skin sensitisation, Category 1 (H317) >= 0.01%

• EUH208 >= 0.001%

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

ATE, if available, are listed in section 11.
[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.
For the full text of the H and EUH phrases mentioned in this Section, see Section 16..

# SECTION 4: First aid measures

4.1 Description of first aid measures	
General Information:	Symptoms of intoxication may even occur after several hours. It is recommended to continue medical observation for at least 48 hours after the incident.
Inhalation:	Get medical attention or advice if you feel unwell.
Skin contact:	Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.
Eye contact:	Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs and persists, get medical attention.
Ingestion:	Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.
Self-protection of first aider:	Consider personal protective equipment as indicated in subsection 8.2.
4.2 Most important symptoms and eff	ects, both acute and delayed
Inhalation:	No known effects or symptoms in normal use.
Skin contact:	May cause an allergic skin reaction.

# No known effects or symptoms in normal use. Ingestion: 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

Eye contact:

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

Causes severe irritation.

### 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

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). 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.

#### Advice 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 hands before breaks and at the end of workday. Take off contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. 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. Keep away from heat and direct sunlight.

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:

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/	(g bw
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Ingredient(s)	Short term - Local	Short term - Systemic	Long term - Local	Long term - Systemic
	effects	effects	effects	effects
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction	-	-	-	7.5
products with triethanolamine, di-Me sulfate-quaternized				
C12-14 alcohols, ethoxylated (7EO)	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
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)etha	No data available	No data available	No data available	No data available
n-1-one				

benzyl alcohol	-	25	-	4
bronopol (INN)	-	1.1	-	0.35
methyl non-2-ynoate	No data available	No data available	No data available	No data available
isoeugenol	No data available	No data available	No data available	No data available

DNEL/DMEL dermal exposure - Worker				
Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	-	-	-	312.5
C12-14 alcohols, ethoxylated (7EO)	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
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
benzyl alcohol	-	47	-	9.5
bronopol (INN)	0.013 mg/cm <sup>2</sup> skin	7	0.013 mg/cm <sup>2</sup> skin	2.3
methyl non-2-ynoate	No data available	No data available	No data available	No data available
isoeugenol	No data available	No data available	No data available	No data available

### DNEL/DMEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	-	-	-	187.5
C12-14 alcohols, ethoxylated (7EO)	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
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
benzyl alcohol	-	29	-	5.7
bronopol (INN)	0.008 mg/cm <sup>2</sup> skin	4.2	0.008 mg/cm <sup>2</sup> skin	1.4
methyl non-2-ynoate	No data available	No data available	No data available	No data available
isoeugenol	No data available	No data available	No data available	No data available

DNEL/DMEL inhalatory exposure - Worker (mg/m <sup>3</sup> )				
Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	-	-	-	44
C12-14 alcohols, ethoxylated (7EO)	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
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
benzyl alcohol	-	450	-	90
bronopol (INN)	4.2	12.3	4.2	4.1
methyl non-2-ynoate	No data available	No data available	No data available	No data available
isoeugenol	No data available	No data available	No data available	No data available

DNEL/DMEL inhalatory exposure - Consumer (mg/m <sup>3</sup> )				
Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	-	-	-	13
C12-14 alcohols, ethoxylated (7EO)	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
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
benzyl alcohol	-	40	-	8.11
bronopol (INN)	1.3	3.7	1.3	1.2
methyl non-2-ynoate	No data available	No data available	No data available	No data available
isoeugenol	No data available	No data available	No data available	No data available

### Environmental exposure Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	0.065	0.0065	-	2.96
C12-14 alcohols, ethoxylated (7EO)	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
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
benzyl alcohol	1	0.1	2.3	39

bronopol (INN)	0.01	0.0008	0.0025	0.43
methyl non-2-ynoate	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

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m <sup>3</sup> )
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	141	14.1	574	-
C12-14 alcohols, ethoxylated (7EO)	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
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
benzyl alcohol	5.27	0.527	0.456	-
bronopol (INN)	0.041	0.00328	0.5	-
methyl non-2-ynoate	No data available	No data available	No data available	No data available
isoeugenol	No data available	No data available	No data available	No data available

### 8.2 Exposure controls

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

Recommended safety measures for handling the <u>undiluted</u> product:

### Appropriate engineering controls:

#### Appropriate organisational controls:

If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required. Avoid direct contact and/or splashes where possible. Train personnel.

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

	SWED - Sector-specific	LCS	PROC	Duration	ERC
	worker exposure			(min)	
	description				
Automatic transfer and dilution	AISE_SWED_PW_8b_1	PW	PROC 8b	60	ERC8b

# 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 16321).
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: ≥ 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
Body protection:	be chosen. 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 <u>diluted</u> product:

Recommended maximum concentration (% w/w): 0.1

Appropriate	engineering controls:
Appropriate	organisational controls:

No special requirements under normal use conditions. 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 closed system	AISE_SWED_PW_1_1	PW	PROC 1	480	ERC8a
Automatic application in a dedicated system	AISE_SWED_PW_4_1	PW	PROC 4	480	ERC8a

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

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

# **Respiratory protection:**

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

Physical state: Liquid Colour: Opaque , Pale , Pink Odour: Product specific Odour threshold: Not applicable Melting point/freezing point (°C): Not determined Initial boiling point and boiling range (°C): Not determined

Substance data, boiling point Value Ingredient(s) Atmospheric pressure Method (hPa) (°C) fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with > 82 Method not given triethanolamine, di-Me sulfate-quaternized No data available C12-14 alcohols, ethoxylated (7EO) alpha-hexylcinnamaldehyde 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 benzyl alcohol 205 Method not given 1013 bronopol (INN) No data available methyl non-2-ynoate No data available No data available isoeugenol

Flammability (solid, gas): Not applicable to liquids Flammability (liquid): Not flammable. Flash point (°C): > 60 °C Sustained combustion: The product does not sustain combustion (UN Manual of Tests and Criteria, section 32, L.2)

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

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
benzyl alcohol	1.3	13

	Wethou / Tenia
Autoignition temperature: Not determined	
Decomposition temperature: Not applicable.	
<b>pH:</b> ≈ 3 (neat)	ISO 4316
<b>Dilution pH:</b> $\approx$ 6 (0.1 %)	ISO 4316
Kinematic viscosity: Not determined	
Solubility in / Miscibility with water: Fully miscible	

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	No data available		
C12-14 alcohols, ethoxylated (7EO)	Soluble	Method not given	
alpha-hexylcinnamaldehyde	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		
benzyl alcohol	40	Method not given	20
bronopol (INN)	280	Method not given	23
methyl non-2-ynoate	No data available		
isoeugenol	No data available		

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

#### Vapour pressure: Not determined

Substance data, vapour pressure

Ingredient(s)

Safety Data Sheet

Not relevant to classification of this product See substance data

closed cup

Method / remark

Method / remark

Weight of evidence

See substance data

# Method / remark

Value

See substance data

Method

Temperature

Method / remark

	(Pa)		(°C)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	No data available		
C12-14 alcohols, ethoxylated (7EO)	No data available		
alpha-hexylcinnamaldehyde	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		
benzyl alcohol	22	Method not given	20
bronopol (INN)	0.0051	OECD 104 (EU A.4)	20
methyl non-2-ynoate	No data available		
isoeugenol	No data available		

Relative density: ≈ 1.00 (20 °C) Relative vapour density: -. Particle characteristics: No data available.

#### 9.2 Other information

# 9.2.1 Information with regard to physical hazard classes

Explosive properties: Not explosive. Vapours may form explosive mixtures with air. Oxidising properties: Not oxidising. Corrosion to metals: Not corrosive

# 9.2.2 Other safety characteristics

No other relevant information available.

# SECTION 10: Stability and reactivity

# 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

# 10.2 Chemical stability

Stable under normal storage and use conditions.

#### 10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

#### 10.4 Conditions to avoid

None known under normal storage and use conditions.

# 10.5 Incompatible materials

None known under normal use conditions.

# 10.6 Hazardous decomposition products

None known under normal storage and use conditions.

# **SECTION 11: Toxicological information**

# 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Mixture data: .

### Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

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 Oral (mg/kg)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	LD 50	5000	Rat	Method not given		Not established
C12-14 alcohols, ethoxylated (7EO)	LD 50	> 300 - 2000	Rat	Read across		Not established
alpha-hexylcinnamaldehyde		3100				Not established
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)eth an-1-one		No data available				Not established
benzyl alcohol	LD 50	1200	Rat	Method not given		1200

# Method / remark

OECD 109 (EU A.3) Not relevant to classification of this product Not applicable to liquids.

bronopol (INN)	LD 50	305	Rat	OECD 401 (EU B.1)	305
methyl non-2-ynoate	LD 50	1600	Rat	Method not given	1600
isoeugenol		No data available			Not established

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Dermal (mg/kg)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	LD 50	> 2000	Rat	Method not given		Not established
C12-14 alcohols, ethoxylated (7EO)	LD 50	> 2000	Rabbit	Method not given		Not established
alpha-hexylcinnamaldehyde		No data available				Not established
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)eth an-1-one		No data available				Not established
benzyl alcohol	LD 50	> 2000	Rabbit	Method not given		2000
bronopol (INN)	LD 50	> 2000	Rat	OECD 402 (EU B.3)		Not established
methyl non-2-ynoate		No data available				Not established
isoeugenol		No data available				Not established

Acute	inhalative	toxicity	
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Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized		No data available			
C12-14 alcohols, ethoxylated (7EO)		No data available			
alpha-hexylcinnamaldehyde		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			
benzyl alcohol	LC 50	> 5 (mist)	Rat	OECD 403 (EU B.2)	4
bronopol (INN)	LC 50	≥ 0.588 (dust)	Rat	Method not given	4
methyl non-2-ynoate		No data available			
isoeugenol		No data available			

Acute inhalative toxicity, continued	ATE inholotion duct	ATE - inhalation, mist	ATE - inhalation,	ATE - inhalation, gas
Ingredient(s)	(mg/l)	(mg/l)	vapour (mg/l)	(mg/l)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	Not established	Not established	Not established	Not established
C12-14 alcohols, ethoxylated (7EO)	Not established	Not established	Not established	Not established
alpha-hexylcinnamaldehyde	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)etha n-1-one	Not established	Not established	Not established	Not established
benzyl alcohol	Not established	4	Not established	Not established
bronopol (INN)	Not established	Not established	Not established	Not established
methyl non-2-ynoate	Not established	Not established	Not established	Not established
isoeugenol	Not established	Not established	Not established	Not established

# Irritation and corrosivity Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	Not irritant	Rabbit	OECD 404 (EU B.4)	4 hour(s)
C12-14 alcohols, ethoxylated (7EO)	Not irritant		Read across	
alpha-hexylcinnamaldehyde	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			
benzyl alcohol	No data available			
bronopol (INN)	Irritant	Rabbit	OECD 404 (EU B.4)	
methyl non-2-ynoate	No data available			
isoeugenol	No data available			

# Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with	Not corrosive or	Rabbit	OECD 405 (EU B.5)	4 hour(s)
triethanolamine, di-Me sulfate-quaternized	irritant			
C12-14 alcohols, ethoxylated (7EO)	Severe damage	Rabbit	Read across	

alpha-hexylcinnamaldehyde	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			
benzyl alcohol	Irritant		Method not given	
bronopol (INN)	Severe damage	Rabbit	Method not given	
methyl non-2-ynoate	No data available			
isoeugenol	No data available			

Respiratory tract irritation and corrosivity						
Ingredient(s)	Result	Species	Method	Exposure time		
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	No data available					
C12-14 alcohols, ethoxylated (7EO)	No data available					
alpha-hexylcinnamaldehyde	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					
benzyl alcohol	No data available					
bronopol (INN)	No data available					
methyl non-2-ynoate	No data available					
isoeugenol	No data available					

# Sensitisation Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	Not sensitising		Method not given	
C12-14 alcohols, ethoxylated (7EO)	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
alpha-hexylcinnamaldehyde	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			
benzyl alcohol	Sensitising		Method not given	
bronopol (INN)	Not sensitising	Guinea pig	OECD 406 (EU B.6)	
methyl non-2-ynoate	No data available			
isoeugenol	No data available			

# Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with	No data available			
triethanolamine, di-Me sulfate-quaternized				
C12-14 alcohols, ethoxylated (7EO)	No data available			
alpha-hexylcinnamaldehyde	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			
benzyl alcohol	Not sensitising			
bronopol (INN)	No data available			
methyl non-2-ynoate	No data available			
isoeugenol	No data available			

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

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized		OECD 476 OECD 471 (EU B.12/13)	No data available	
	No evidence for mutagenicity, negative test results	Read across	No data available	
alpha-hexylcinnamaldehyde	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	
benzyl alcohol	No data available		No data available	
	No evidence for mutagenicity, negative test results	Method not given	No data available	
methyl non-2-ynoate	No data available		No data available	
isoeugenol	No data available		No data available	

Carcinogenicity

Ouro	Jacinogenicity					
	Ingredient(s)	Effect				
fat	ty acids, C16-18 (even numbered) and C18 unsatd., reaction products with	No data available				
	triethanolamine, di-Me sulfate-quaternized					
	C12-14 alcohols, ethoxylated (7EO)	No data available				
	alpha-hexylcinnamaldehyde	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
benzyl alcohol	No data available
bronopol (INN)	No data available
methyl non-2-ynoate	No data available
isoeugenol	No data available

Toxicity for reproduction	Endnoint	Specific effect	Value	Species	Method	Exposure	Remarks and other effects
Ingredient(s)	Endpoint	Specific effect	(mg/kg bw/d)	Species	wethod	Exposure time	reported
fatty acids, C16-18			No data				
(even numbered) and			available				
C18 unsatd., reaction							
products with							
triethanolamine, di-Me							
sulfate-quaternized							
C12-14 alcohols,			No data				
ethoxylated (7EO)			available				
alpha-hexylcinnamalde			No data				
hyde			available				
1-(1,2,3,4,5,6,7,8-octah			No data				
ydro-2,3,8,8-tetramethyl			available				
-2-naphthyl)ethan-1-on							
e							
benzyl alcohol			No data				
			available				
bronopol (INN)			No data				No adverse effects observed
,			available				
methyl non-2-ynoate			No data		1		
, , ,			available				
isoeugenol			No data				
			available				

# Repeated dose toxicity Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized		No data available				
C12-14 alcohols, ethoxylated (7EO)		No data available				
alpha-hexylcinnamaldehyde		No data available				
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-napht hyl)ethan-1-one		No data available				
benzyl alcohol		No data available				
bronopol (INN)		No data available				
methyl non-2-ynoate		No data available				
isoeugenol		No data available				

# Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-guaternized		No data available				
C12-14 alcohols, ethoxylated (7EO)		No data available				
alpha-hexylcinnamaldehyde		No data available				
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-napht hyl)ethan-1-one		No data available				
benzyl alcohol		No data available				
bronopol (INN)		No data available				
methyl non-2-ynoate		No data available				
isoeugenol		No data available				

Sub-c	chronic inhalation toxicity						
	Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Specific effects and organs
			(mg/kg bw/d)	-		time (days)	affected

fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	No data available		
C12-14 alcohols, ethoxylated (7EO)	No data available		
alpha-hexylcinnamaldehyde	No data available		
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-napht hyl)ethan-1-one	No data available		
benzyl alcohol	No data available		
bronopol (INN)	No data available		
methyl non-2-ynoate	No data available		
isoeugenol	No data available		

#### Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
fatty acids, C16-18			No data					
(even numbered) and			available					
C18 unsatd., reaction								
products with								
triethanolamine, di-Me sulfate-guaternized								
C12-14 alcohols,			No data					
ethoxylated (7EO)			available					
alpha-hexylcinnamalde			No data					
hyde			available					
1-(1,2,3,4,5,6,7,8-octah			No data					
ydro-2,3,8,8-tetramethyl			available					
-2-naphthyl)ethan-1-on								
e								
benzyl alcohol			No data available					
bronopol (INN)			No data					
			available					
methyl non-2-ynoate			No data available					
isoeugenol			No data available					

# STOT-single exposure

Ingredient(s)	Affected organ(s)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	No data available
C12-14 alcohols, ethoxylated (7EO)	No data available
alpha-hexylcinnamaldehyde	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
benzyl alcohol	Not applicable
bronopol (INN)	No data available
methyl non-2-ynoate	No data available
isoeugenol	No data available

#### STOT-repeated exposure

Ingredient(s)	Affected organ(s)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	No data available
C12-14 alcohols, ethoxylated (7EO)	No data available
alpha-hexylcinnamaldehyde	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
benzyl alcohol	Not applicable
bronopol (INN)	Respiratory tract
methyl non-2-ynoate	No data available
isoeugenol	No data available

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

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

# 11.2 Information on other hazards

**11.2.1 Endocrine disrupting properties** Endocrine disrupting properties - Human data, if available:

# 11.2.2 Other information

No other relevant information available.

# SECTION 12: Ecological information

# 12.1 Toxicity

No data is available on the mixture.

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

# Aquatic short-term toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	LC 50	1.91	Fish	OECD 203 (EU C.1)	96
C12-14 alcohols, ethoxylated (7EO)	LC 50	> 1 - 10	Brachydanio rerio	Read across	96
alpha-hexylcinnamaldehyde		No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	LC 50	1.3	Lepomis macrochirus	OECD 203, semi-static	96
benzyl alcohol	LC 50	460	Fish	Method not given	96
bronopol (INN)	LC 50	11	Lepomis macrochirus	OPP 72-1, static (EPA)	96
methyl non-2-ynoate		No data available			
isoeugenol		No data available			

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	EC 50	2.23	Daphnia	OECD 202 (EU C.2)	48
C12-14 alcohols, ethoxylated (7EO)	EC 50	> 1 - 10	Daphnia magna Straus	Method not given	48
alpha-hexylcinnamaldehyde		No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	EC 50	1.38	Daphnia	OECD 202, semi-static	48
benzyl alcohol	EC 50	230	Daphnia magna Straus	Method not given	48
bronopol (INN)	EC 50	1.08	Daphnia magna Straus	OECD 202 (EU C.2)	48
methyl non-2-ynoate	EC 50	1.1	Daphnia magna Straus	OECD 202, static	48
isoeugenol		No data available			

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	Er C 50	2.14	Desmodesmus subspicatus	OECD 201 (EU C.3)	72
C12-14 alcohols, ethoxylated (7EO)	NOEC	> 0.1 - 1	Not specified	DIN 38412, Part 9 OECD 201 (EU C.3)	
alpha-hexylcinnamaldehyde		No data available			
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	EC 50	> 2.6	Desmodesmus subspicatus	OECD 201, static	72
benzyl alcohol	EC 50	640	Scenedesmus quadricauda	Method not given	96
bronopol (INN)	EC 50	0.25	Pseudokirchner iella subcapitata	OECD 201 (EU C.3)	72
methyl non-2-ynoate	EC 50	0.83	Pseudokirchner iella subcapitata	OECD 201, static	72
isoeugenol		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized		No data available			
C12-14 alcohols, ethoxylated (7EO)		No data available			
alpha-hexylcinnamaldehyde		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			
benzyl alcohol		No data available			
bronopol (INN)		No data available			
methyl non-2-ynoate		No data available			
isoeugenol		No data available			

Impact on sewage plants - toxicity to bacteria					
Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized		No data available			
C12-14 alcohols, ethoxylated (7EO)		> 1000	Activated sludge	DEV-L2	
alpha-hexylcinnamaldehyde		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			
benzyl alcohol		No data available			
bronopol (INN)	EC 20	2	Activated sludge	OECD 209	150 minute(s)
methyl non-2-ynoate		No data available			
isoeugenol		No data available			

# Aquatic long-term toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized		No data available				
C12-14 alcohols, ethoxylated (7EO)	EC 50	10-100	Not specified	Method not given	96 hour(s)	
alpha-hexylcinnamaldehyde		No data available				
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-napht hyl)ethan-1-one		No data available				
benzyl alcohol		No data available				
bronopol (INN)	EC 50	> 10-100	Oncorhynchus mykiss	OECD 210	49 day(s)	
methyl non-2-ynoate		No data available				
isoeugenol		No data available				

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
atty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized		No data available				
C12-14 alcohols, ethoxylated (7EO)	EC 50	10-100	Not specified	Method not given	48 hour(s)	
alpha-hexylcinnamaldehyde		No data available				
I-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-napht hyl)ethan-1-one		No data available				
benzyl alcohol		No data available				
bronopol (INN)	EC 50	0.06	Daphnia magna	OECD 211, flow-through	21 day(s)	
methyl non-2-ynoate		No data available				

isoeugenol	No data		
-	available		

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

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized		No data available				
C12-14 alcohols, ethoxylated (7EO)		No data available				
alpha-hexylcinnamaldehyde		No data available				
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-napht hyl)ethan-1-one		No data available				
benzyl alcohol		No data available				
bronopol (INN)		No data available				
methyl non-2-ynoate		No data available				
isoeugenol		No data available				

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

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
bronopol (INN)	LD 50	> 500	Eisenia fetida	OECD 207	14	

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:

Ingredient(s)	Half-life time in fresh water	Method	Evaluation	Remark
bronopol (INN)	No data available	OECD 111	Rapidly hydrolysible	

Abiotic degradation - other processes, if available:

#### Biodegradation Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT 50	Method	Evaluation
atty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	Activated sludge, aerobe Adapted activated sludge	CO <sub>2</sub> production	98.9% in 28 day(s)	OECD 301B	Readily biodegradable
C12-14 alcohols, ethoxylated (7EO)		CO <sub>2</sub> production	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable
alpha-hexylcinnamaldehyde					Not readily biodegradable.
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-nap hthyl)ethan-1-one					Not readily biodegradable.
benzyl alcohol		Method not given	95 - 97% % in 21 day(s)	Method not given	Readily biodegradable
bronopol (INN)	Activated sludge, aerobe		70-80%	OECD 301B	Readily biodegradable
methyl non-2-ynoate	Activated sludge, aerobe	Oxygen depletion	71% in 28 day(s)	OECD 301F	Readily biodegradable
isoeugenol		Oxygen depletion	79% in 28 day(s)	OECD 301F	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

# 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)								
Ingredient(s)	Value	Method	Evaluation	Remark				
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	No data available							
C12-14 alcohols, ethoxylated (7EO)	No data available		No bioaccumulation expected					
alpha-hexylcinnamaldehyde	No data available							
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetr amethyl-2-naphthyl)ethan-1-one	No data available							
benzyl alcohol	1.05	Method not given	Low potential for bioaccumulation					
bronopol (INN)	0.18	Method not given	No bioaccumulation expected					
methyl non-2-ynoate	No data available							
isoeugenol	No data available							

#### Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
fatty acids, C16-18	No data available				
(even numbered) and					
C18 unsatd., reaction					
products with					
triethanolamine, di-Me					
sulfate-quaternized	NL 1.4				
C12-14 alcohols,	No data available				
ethoxylated (7EO)	No data available				
alpha-hexylcinnamalde	NO Gala avaliable				
hyde	Na data available				
1-(1,2,3,4,5,6,7,8-octah					
ydro-2,3,8,8-tetramethyl -2-naphthyl)ethan-1-on					
e					
benzyl alcohol	No data available			Low potential for bioaccumulation	
bronopol (INN)	3.167		QSAR	No bioaccumulation expected	
methyl non-2-ynoate	No data available				
isoeugenol	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
fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	No data available				
C12-14 alcohols, ethoxylated (7EO)	No data available	≥ 4			Potential for adsorption to soil
alpha-hexylcinnamaldehyde	No data available				
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-nap hthyl)ethan-1-one	No data available				
benzyl alcohol	No data available				Potential for mobility in soil, soluble in water
bronopol (INN)	No data available				
methyl non-2-ynoate	No data available				
isoeugenol	No data available				

# 12.5 Results of PBT and vPvB assessment

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

**12.6 Endocrine disrupting properties** Endocrine disrupting properties - Environmental effects, if available:

# 12.7 Other adverse effects

No other adverse effects known.

# SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods Waste from residues / unused products:

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging

European Waste Catalogue:

Empty packaging Recommendation: Suitable cleaning agents: material is suitable for energy recovery or recycling in line with local legislation. 20 01 30 - detergents other than those mentioned in 20 01 29.

Dispose of observing national or local regulations. Water, if necessary with cleaning agent.

# **SECTION 14: Transport information**

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

14.1 UN number or ID number: 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 Maritime transport in bulk according to IMO instruments: 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 non-ionic surfactants perfumes, Benzyl Alcohol, Tetramethyl Acetyloctahydronaphthalenes, Hexyl Cinnamal, Coumarin, Citronellol, Isoeugenol, 2-Bromo-2-Nitropropane-1,3-Diol

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:** MS1001836

Reason for revision:

This data sheet contains changes from the previous version in section(s):, 4, 9, 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.

5 - 15 % < 5 %

Version: 04.1

Revision: 2025-04-28

# Abbreviations and acronyms:

- AISE The international Association for Soaps, Detergents and Maintenance Products
- ATE Acute Toxicity Estimate

- ONEL 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
- NOALL No observed adverse 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
- H302 Harmful if swallowed.

- H312 Harmful in swalowed.
  H315 Causes skin irritation.
  H317 May cause an allergic skin reaction.
  H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory 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.

End of Safety Data Sheet