

## SAFETY DATA SHEET

# i.31 sanitary cleaner probiotic FlexDose

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

### 1.1. Product identifier

*Trade name:*

i.31 sanitary cleaner probiotic FlexDose

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

▼ *Relevant identified uses of the substance or mixture:*

Washing and cleaning products (including solvent based products)  
Restricted to professional and industrial use.

*Uses advised against :*

None known.

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

▼ *Company and address:*

**i-hygienic B.V.**  
Lenteweg 15  
7532 RV Enschede  
Nederland  
0534282860

*E-mail:*

info@hygeniq.com

*Revision:*

03/12/2025

*SDS Version:*

4.0

*Date of previous version:*

07/08/2025 (3.0)

### 1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 111 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)

See section 4 "First aid measures".

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

## 2.2. Label elements

*Hazard pictogram(s):*

Not applicable.

*Signal word:*

Not applicable.

*Hazard statement(s):*

Not applicable.

*Precautionary statement(s):*

▼ *General:*

Not applicable.

▼ *Prevention:*

Not applicable.

▼ *Response:*

Not applicable.

▼ *Storage:*

Not applicable.

▼ *Disposal:*

Not applicable.

*Hazardous substances:*

Does not contain any substances required to report

▼ *Additional labelling:*

EUH210, Safety data sheet available on request.

*Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law:*

>5% - <15%

· Non-ionic surfactants

< 5%

· Perfumes

· Preservation agent (PHENOXYETHANOL)

· Preservation agent (BENZISOTHIAZOLINONE)

## 2.3. Other hazards

*Additional warnings:*

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. ▼ Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
C10-16 Alcoholethoxylaate propoxylaat	CAS No.: 69227-22-1 EC No.: UK-REACH: Index No.:	5-10%	Eye Irrit. 2, H319	[19]

ethanol;ethyl alcohol	CAS No.: 64-17-5 EC No.: 200-578-6 UK-REACH: Index No.: 603-002-00-5	1-3%	Flam. Liq. 2, H225 Eye Irrit. 2, H319	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7 UK-REACH: Index No.: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	
Glycerides, coco mono- and di-, ethoxylated	CAS No.: 68201-46-7 EC No.: 614-376-4 UK-REACH: Index No.:	<1%		
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS No.: 68891-38-3 EC No.: 500-234-8 UK-REACH: Index No.:	<0.1%	Skin Irrit. 2, H315 Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 9.90 %) Aquatic Chronic 3, H412	
Benzyl acetate	CAS No.: 140-11-4 EC No.: 205-399-7 UK-REACH: Index No.:	<0.05%	Aquatic Chronic 3, H412	
Linalyl acetate	CAS No.: 115-95-7 EC No.: 204-116-4 UK-REACH: Index No.:	<0.05%	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319	[9]
2-phenylethanol	CAS No.: 60-12-8 EC No.: 200-456-2 UK-REACH: Index No.:	<0.05%	Acute Tox. 4, H302 Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### ▼ Other information

[9] Identified by EU as a fragrance ingredients, known to cause allergic contact dermatitis (Regulation (EC) No 1223/2009 on cosmetic products)

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation:

In case of discomfort: bring the person into fresh air.

#### Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

#### Eye contact:

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

**Ingestion:**

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

**Burns:**

Not applicable.

**4.2. Most important symptoms and effects, both acute and delayed**

None known.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**Information to medics**

Bring this safety data sheet or the label from this product.

## SECTION 5: FIREFIGHTING MEASURES

**5.1. Extinguishing media**

Not applicable.

**5.2. Special hazards arising from the substance or mixture**

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

**5.3. Advice for firefighters**

No specific requirements.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

**6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

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

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

**6.4. Reference to other sections**

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: HANDLING AND STORAGE

**7.1. Precautions for safe handling**

Smoking, drinking and consumption of food is not allowed in the work area.  
See section 8 "Exposure controls/personal protection" for information on personal protection.

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

*Recommended storage material:*

Keep only in original packaging.

*Storage conditions:*

Dry, cool and well ventilated

*Incompatible materials:*

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Propane-1,2-diol

Long term exposure limit (8 hours) (ppm): 150(total)

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 474(total)/10(particulates)

ethanol;ethyl alcohol

Long term exposure limit (8 hours) (ppm): 1000

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 1920

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

#### ▼ DNEL

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0.345 mg/kg
Long term – Systemic effects - Workers	Dermal	966 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.2 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m <sup>3</sup>

2-phenoxyethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects	Dermal	10,42 mg/kg
Long term – Systemic effects - General population	Dermal	20,83 mg/kg
Long term – Systemic effects - Workers	Dermal	34.72 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	5,7 mg/m <sup>3</sup>
Long term – Systemic effects	Inhalation	2,41 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	5,7 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	8.07 mg/m <sup>3</sup>
Long term	Oral	9,23 mg/kg

ethanol;ethyl alcohol

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	206 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	343 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	114 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	380 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	950 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	1900 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	87 mg/kg bw/day

#### Linalyl acetate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	236.2 µg/cm <sup>2</sup>
Long term – Local effects - Workers	Dermal	236.2 µg/cm <sup>2</sup>
Long term – Systemic effects - General population	Dermal	1.25 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	2.5 mg/kg bw/day
Short term – Local effects - General population	Dermal	236.2 µg/cm <sup>2</sup>
Short term – Local effects - Workers	Dermal	236.2 µg/cm <sup>2</sup>
Long term – Systemic effects - General population	Inhalation	680 µg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	2.75 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	200 µg/kg bw/day

#### Propane-1,2-diol

Duration:	Route of exposure:	DNEL:
Long term – Local effects	Inhalation	10 mg/m <sup>3</sup>
Long term – Local effects - General population	Inhalation	10 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	10 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	10 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	50 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	50 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	168 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	168 mg/m <sup>3</sup>

#### ▼ PNEC

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		4.03 µg/L
Freshwater sediment		49.9 µg/kg
Intermittent release (freshwater)		1.1 µg/L
Intermittent release (marine water)		110 ng/L
Marine water		403 ng/L
Marine water sediment		4.99 µg/kg
Sewage treatment plant		1.03 mg/L

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Soil		3 mg/kg
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2-phenoxyethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,943 mg/L
Freshwater sediment		7.2366 mg/kg
Marine water		0.0943 mg/L
Marine water sediment		0,7237 mg/kg
Sewage treatment plant		24,8 mg/L
Sewage treatment plant	Single	36 mg/L
Soil		1,26 mg/kg

ethanol;ethyl alcohol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		960 µg/L
Freshwater sediment		3.6 mg/kg
Intermittent release (freshwater)		2.75 mg/L
Marine water		790 µg/L
Marine water sediment		2.9 mg/kg
Predators		380-720 mg/kg
Sewage treatment plant		580 mg/L
Soil		630 µg/kg

Linalyl acetate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		11 µg/L
Freshwater sediment		609 µg/kg
Intermittent release (freshwater)		110 µg/L
Marine water		1.1 µg/L
Marine water sediment		60.9 µg/kg
Sewage treatment plant		1 mg/L
Soil		115 µg/kg

Propane-1,2-diol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater sediment		572 mg/kg TG
Marine water sediment		26 mg/L
Marine water sediment		57,2 mg/kg TG
Marine water sediment		26 mg/L
Sewage treatment plant		20000 mg/L
Soil		50 mg/kg TG
Water		260 mg/L

**8.2. Exposure controls**

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

*General recommendations:*

Smoking, drinking and consumption of food is not allowed in the work area.

*Exposure scenarios:*

There are no exposure scenarios implemented for this product.

*Exposure limits:*

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

*Appropriate technical measures:*

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

*Hygiene measures:*

Wash hands after use.

*Measures to avoid environmental exposure:*

No specific requirements.

**Individual protection measures, such as personal protective equipment**

*Generally:*

Use only UKCA marked protective equipment.

*Respiratory Equipment:*

Type	Class	Colour	Standards	
No special when used as intended.				

*Skin protection:*

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

*Hand protection:*

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
No special when used as intended	-	-	-	

*Eye protection:*

Type	Standards	
No special when used as intended.	-	

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

*Physical state:*

Liquid

*Colour:*

Colourless

*Odour / Odour threshold:*

Of perfume

*pH:*

ca. 6

*Density (g/cm<sup>3</sup>):*

1 (20 °C)

*Kinematic viscosity:*

25

*Particle characteristics:*

Does not apply to liquids.

**Phase changes**

*Melting point/Freezing point (°C):*

No data available.

*Softening point/range (°C):*

Does not apply to liquids.

*Boiling point (°C):*

No data available.

*Vapour pressure:*

No data available.

*Relative vapour density:*

No data available.

*Decomposition temperature (°C):*

No data available.

**Data on fire and explosion hazards**

*Flash point (°C):*

No data available.

*Flammability (°C):*

No data available.

*Auto-ignition temperature (°C):*

No data available.

*Lower and upper explosion limit (% v/v):*

No data available.

**Solubility**

*Solubility in water:*

Completely soluble

*n-octanol/water coefficient (LogKow):*

No data available.

*Solubility in fat (g/L):*

No data available.

**9.2. Other information**

*Oxidizing properties:*

No data available.

*Other physical and chemical parameters:*

No data available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

#### ▼ Acute toxicity

Product/substance	C10-16 Alcoholethoxylaat propoxylaat
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	> 5000 Read across mg/kg

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>20000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	44.9 mg/L

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

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

#### ▼ Skin corrosion/irritation

Product/substance	C10-16 Alcoholethoxylaate propoxylaate
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	Propane-1,2-diol
Result:	No adverse effect observed (Not irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

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

#### ▼ Serious eye damage/irritation

Product/substance	Propane-1,2-diol
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

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

#### ▼ Respiratory sensitisation

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

#### ▼ Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

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

#### ▼ Germ cell mutagenicity

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

▼ **Carcinogenicity**

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

▼ **Reproductive toxicity**

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

▼ **STOT-single exposure**

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

▼ **STOT-repeated exposure**

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

▼ **Aspiration hazard**

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

▼ **Symptoms related to the physical, chemical and toxicological characteristics**

None known.

**11.2. Information on other hazards**

**Endocrine disrupting properties**

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

**Other information**

None known.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. ▼ Toxicity**

Product/substance C10-16 Alcoholethoxylaät propoxylaät  
 Test method: OECD 203  
 Species: Fish, *Oncorhynchus mykiss*  
 Duration: 96 hours  
 Test: LC50  
 Result: >1 - 10 mg/L

Product/substance C10-16 Alcoholethoxylaät propoxylaät  
 Test method: OECD 202  
 Species: *Daphnia magna*  
 Duration: 48 hours  
 Test: EC50  
 Result: >1 - 10 mg/L

Product/substance C10-16 Alcoholethoxylaät propoxylaät  
 Test method: OECD 201  
 Species: *Skeletonema costatum*  
 Duration: 72 hours  
 Test: EC50  
 Result: > 1 - 10 mg/L

Product/substance C10-16 Alcoholethoxylaät propoxylaät  
 Species: Fish  
 Duration: 96 hours  
 Test: LC50  
 Result: 6,7 mg/L

Product/substance C10-16 Alcoholethoxylaät propoxylaät

Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	7,6 mg/L
Product/substance	C10-16 Alcoholethoxylaate propoxylaate
Species:	Algae
Duration:	72 hours
Test:	IC50
Result:	4,41 mg/L
Product/substance	Propane-1,2-diol
Species:	Fish, <i>Oncorhynchus mykiss</i>
Duration:	96 hours
Test:	LC50
Result:	40613 mg/L
Product/substance	Propane-1,2-diol
Species:	Crustacean, <i>Ceriodaphnia Dubia</i>
Duration:	48 hours
Test:	LC50
Result:	18340 mg/L
Product/substance	Propane-1,2-diol
Species:	Crustacean, <i>Ceriodaphnia Dubia</i>
Duration:	7 days
Test:	NOEC
Result:	13020 mg/L
Product/substance	Propane-1,2-diol
Species:	Algae, <i>Pseudokirchneriella subcapitata</i>
Duration:	96 hours
Test:	ErC50
Result:	19000 mg/L
Product/substance	Propane-1,2-diol
Species:	Bacteria, <i>Pseudomonas putida</i>
Duration:	18 hours
Test:	NOEC
Result:	>20000 mg/L
Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L
Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L
Product/substance	2-phenoxyethanol
Species:	<i>Daphnia magna</i>

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Duration: 48 hours  
Test: EC50  
Result: >100 mg/L

Product/substance 2-phenoxyethanol  
Species: Fish  
Test: NOEC  
Result: 23 mg/L

Product/substance 2-phenoxyethanol  
Species: Andere waterorganismen  
Duration: 30 minutes  
Test: EC50  
Result: >1000 mg/L

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one  
Species: Fish  
Duration: 96 hours  
Test: LC50  
Result: >0.1-1 mg/L

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one  
Species: Crustacean  
Duration: 48 hours  
Test: EC50  
Result: >0.1-1 mg/L

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one  
Species: Algae  
Duration: 72 hours  
Test: EC50  
Result: >0.1-1 mg/L

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

## 12.2. Persistence and degradability

Product/substance C10-16 Alcoholethoxylaat propoxylaat  
Conclusion: Readily biodegradable  
Test: OECD 301 B

Product/substance Propane-1,2-diol  
Result: 96%  
Conclusion: Readily biodegradable

Product/substance Propane-1,2-diol  
Duration: 28 days  
Result: 81 %  
Conclusion: Readily biodegradable

Product/substance 2-phenoxyethanol  
Result: >70  
Conclusion: Readily biodegradable  
Test: OECD 301 A

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one  
Result: 90%

Conclusion: Readily biodegradable  
Test: OECD 302

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. 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.

### 12.3. Bioaccumulative potential

Product/substance Propane-1,2-diol  
BCF: 0,09  
LogKow: -1,07  
Conclusion: No potential for bioaccumulation

Product/substance 2-phenoxyethanol  
BCF: 0,349  
LogKow: 1.2  
Conclusion: -

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one  
BCF: 2  
LogKow: 1.45  
Conclusion: Potential for bioaccumulation is low

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

### 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

### 12.7. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

Product is not covered by regulations on dangerous waste.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

### EWC code

20 01 30 Detergents other than those mentioned in 20 01 29

### Specific labelling

### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informatio n:
ADR/ADN/RID	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

▼ **Additional information**

Not dangerous goods according to ADR/ADN/RID, IATA and IMDG.

**14.6. Special precautions for user**

Not applicable.

**14.7. Maritime transport in bulk according to IMO instruments**

No data available.

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

▼ *Restrictions for application:*

Restricted to professional and industrial use.

*Demands for specific education:*

No specific requirements.

*Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:*

Not applicable.

*UK-REACH, Annex XVII:*

ethanol;ethyl alcohol is subject to UK-REACH restrictions (entry 40).

*Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law:*

>5% - <15%

· Non-ionic surfactants

< 5%

· Perfumes

· Preservation agent (PHENOXYETHANOL)

· Preservation agent (BENZISOTHIAZOLINONE)

*Additional information:*

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. 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.

*Sources:*

The Health and Safety at Work etc. Act 1974 Regulations 2013.

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

## 15.2. Chemical safety assessment

No

## SECTION 16: OTHER INFORMATION

### ▼ Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.  
H302, Harmful if swallowed.  
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.  
H412, Harmful to aquatic life with long lasting effects.

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne (European conformity)  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EuPCS = European Product Categorisation System  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
GWP = Global warming potential  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

**Additional information**

Not applicable.

**The safety data sheet is validated by**

Quality & Compliance

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en