SAFETY DATA SHEET

i.83 flexdose

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

1.1. Product identifier

▼*Trade name:*
i.83 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-team UK
The Alima Centre, 35 Sefton St
L8 5SL Toxteth, Liverpool
United Kingdom
+44 1945 595177

E-mail:
info@hygeniq.com

Revision:
24/04/2026

SDS Version:
4.0

Date of previous version:
09/03/2026 (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:*
Contains no substances that need to be listed on the label.

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%
· Amphoteric surfactants
· 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
Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)	CAS No.: 164462-16-2 EC No.: 423-270-5 UK-REACH: 01-0000016977-53-XXXX Index No.:	5-10%		
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-	CAS No.: 147170-44-3 EC No.: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %)	[19]

dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	UK-REACH: Index No.:		Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7 UK-REACH: 01-2119488943-21 Index No.: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	
sodium hydroxide	CAS No.: 1310-73-2 EC No.: 215-185-5 UK-REACH: 01-2119457892-27-XXXX Index No.: 011-002-00-6	<0.25%	Skin Corr. 1A, H314 (C ≥ 5%) Skin Corr. 1B, H314 (2% ≤ C < 5%) Skin Irrit. 2, H315 (0.5% ≤ C < 2%) Eye Irrit. 2, H319 (0.5% ≤ C < 2%)	

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

Other information

[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:
Nitrogen oxides (NO_x)
Carbon oxides (CO / CO2)
Some metal oxides

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

Avoid contact during pregnancy and while nursing.
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

sodium hydroxide
Short term exposure limit (15 minutes) (mg/m³): 2

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-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	7.5 mg/kg
Long term – Systemic effects - Workers	Dermal	12.5 mg/kg
Long term – Systemic effects - Workers	Inhalation	44 mg/m³
Long term – Systemic effects - General population	Oral	7.5 mg/kg

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

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0.345 mg/kg
Long term – Systemic effects - General population	Dermal	0.345 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	0.966 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.2 mg/m³
Long term – Systemic effects - General population	Inhalation	1.2 mg/m³
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m³
Short term – Local effects - Workers	Inhalation	0.5 mg/L
Long term – Systemic effects - General population	Oral	1.2 mg/kg bw/day

2-phenoxyethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects	Dermal	10,42 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	20,83 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	34.72 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	5,7 mg/m³
Long term – Local effects - Workers	Inhalation	8,07 mg/m³
Long term – Systemic effects	Inhalation	2,41 mg/m³
Long term – Systemic effects - Workers	Inhalation	5,7 mg/m³
Long term – Systemic effects - Workers	Inhalation	8.07 mg/m³
Long term – Local effects - General population	Oral	9,32 mg/kg bw/day
Short term – Systemic effects	Oral	9,23 mg/kg bw/day

Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	25 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	170 mg/kg bw/day
Short term – Local effects - General population	Dermal	400 mg/cm²

Short term – Local effects - Workers	Dermal	2000 mg/cm²
Short term – Systemic effects - General population	Dermal	400 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	2000 mg/kg bw/day
Long term – Local effects - General population	Inhalation	2 mg/m³
Long term – Local effects - Workers	Inhalation	4 mg/m³
Long term – Systemic effects - General population	Inhalation	20 mg/m³
Long term – Systemic effects - Workers	Inhalation	40 mg/m³
Short term – Local effects - General population	Inhalation	20 mg/m³
Short term – Local effects - Workers	Inhalation	40 mg/m³
Short term – Systemic effects - General population	Inhalation	20 mg/m³
Short term – Systemic effects - Workers	Inhalation	40 mg/m³
Long term – Systemic effects - General population	Oral	17 mg/kg bw/day
Short term – Systemic effects - General population	Oral	85 mg/kg bw/day

sodium hydroxide

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	2 %
Long term – Systemic effects - Workers	Dermal	<2 %
Long term – Local effects - General population	Inhalation	1 mg/m³
Long term – Local effects - Workers	Inhalation	1 mg/m³

▼ **PNEC**

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		0.0135 mg/L
Freshwater sediment		1 mg/kg
Marine water		0.00135 mg/L
Marine water sediment		0.1 mg/kg
Sewage treatment plant		3000 mg/L
Soil		0.8 mg/kg

1,2-benzisothiazol-3(2H)-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		0.403 µg/L
Marine water sediment		4.99 µg/kg
Sewage treatment plant		1.03 mg/L
Soil		3 mg/kg

2-phenoxyethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,943 mg/L
Freshwater sediment		7.2366 mg/kg TG
Intermittent release (freshwater)		3,44 mg/L
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 TG

Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)

Route of exposure:	Duration of Exposure:	PNEC:
Soil		2.5 mg/kg

sodium hydroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		6.4 mg/L
Freshwater sediment		23 mg/kg TG
Intermittent release		3.1 mg/L
Intermittent release (marine water)		2.3 mg/kg TG
Marine water		0.64 mg/L
Sewage treatment plant		51 mg/L
Soil		0.853 mg/kg TG

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:
Pale yellow

Odour / Odour threshold:
Characteristic

▼*pH:*
ca. 10,5

▼*Density (g/cm³):*
1.07 (20 °C)

Kinematic viscosity:
No data available.

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	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Result:	>2000 mg/kg

Product/substance	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Species:	Rat
Route of exposure:	Oral
Result:	>2000 mg/kg

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5.000 mg/kg

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

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

Product/substance	2-phenoxyethanol
Species:	Rabbit, male/female
Route of exposure:	Dermal
Test:	LD50
Result:	>2214 mg/kg

Product/substance	sodium hydroxide
Result:	45.4 mg/L

Product/substance	sodium hydroxide
Species:	Rabbit
Test:	LD lo
Result:	500 mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one
Species:	Rat

Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>300 -2000 mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one
Result:	300,03 mg/kg

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

▼Skin corrosion/irritation

Product/substance	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Test method:	OECD 404
Species:	Rabbit
Result:	No adverse effect observed (Not irritating)

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

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

Product/substance	2-phenoxyethanol
Test method:	OECD 404
Species:	Rabbit
Duration:	4 hours
Result:	No adverse effect observed (Not irritating)

Product/substance	sodium hydroxide
Result:	Adverse effect observed (Irritating)

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

Product/substance	1,2-benzisothiazol-3(2H)-one
Species:	Guinea pig
Result:	Adverse effect observed (Highly irritating)

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

▼Serious eye damage/irritation

Product/substance	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Test method:	OECD 405
Species:	Rabbit
Result:	No adverse effect observed (Not irritating)

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Test method: OECD 405
Species: Rabbit
Result: Adverse effect observed (Slightly irritating)

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result: Adverse effect observed (Causes serious eye damage)

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

Product/substance 2-phenoxyethanol
Test method: OECD 405
Species: Rabbit
Duration: 15 days
Result: Adverse effect observed (Causes serious eye damage)

Product/substance sodium hydroxide
Test method: OECD 405
Species: Rabbit
Result: Adverse effect observed (Corrosive)

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

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

▼ **Respiratory sensitisation**

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method: OECD 406
Result: No adverse effect observed (not sensitising)

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

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

▼ **Skin sensitisation**

Product/substance Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Test method: OECD 406
Species: Guinea pig
Result: No adverse effect observed (not sensitising)

Product/substance 2-phenoxyethanol
Test method: OECD 406
Species: Guinea pig
Result: No adverse effect observed (not sensitising)

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

Product/substance 1,2-benzisothiazol-3(2H)-one
Test method: OECD 406

Species: Guinea pig
Result: Adverse effect observed (sensitising)

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

▼Germ cell mutagenicity

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method: OECD 471
Species: Bacteria
Conclusion: No adverse effect observed

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method: OECD 474
Species: Mouse
Conclusion: No adverse effect observed

Product/substance 2-phenoxyethanol
Test method: OECD 471
Species: S. typhimurium
Description: 20-5000
Conclusion: No adverse effect observed

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

▼Carcinogenicity

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion: No adverse effect observed

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

▼Reproductive toxicity

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion: No adverse effect observed

Product/substance 2-phenoxyethanol
Species: Mouse, male/female
Result: 1875 mg/kg bw

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

▼STOT-single exposure

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion: No adverse effect observed

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

▼STOT-repeated exposure

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion: No adverse effect observed

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

▼Aspiration hazard

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Conclusion: Aspiration hazard not applicable

Based on available data, 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	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Test method:	OECD 209
Species:	Bacteria
Test:	NOEC
Result:	1000 mg/L

Product/substance	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Species:	Algae
Duration:	72 hours
Test:	EC10
Result:	>100 mg/L

Product/substance	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Species:	Algae
Duration:	72 hours
Result:	>100 mg/L

Product/substance	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	105 mg/L

Product/substance	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Test method:	OECD 202
Duration:	21 days
Test:	NOEC
Result:	>=200 mg/L

Product/substance	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Test method:	OECD 204
Duration:	28 days
Test:	NOEC
Result:	>=200 mg/L

Product/substance	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Test method:	OECD 209
Duration:	30 minutes

Test:	EC20
Result:	>2000 mg/L

Product/substance	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Test method:	OECD 203
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>200 mg/L

Product/substance	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Test method:	OECD 202
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Test method:	OECD 210
Species:	Fish, Oncorhynchus mykiss
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Test method:	OECD 209
Species:	Andere waterorganismen, Pseudomonas putida
Test:	EC0
Result:	>100 mg/L

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Test method:	OECD 201
Species:	Algae, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Test method:	OECD 203
Species:	Fish, Pimephales promelas

Test:	LC50
Result:	>1-10 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:	Daphnia magna
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	2-phenoxyethanol
Species:	Fish, Pimephales promelas
Duration:	96 hours
Result:	344 mg/L

Product/substance	2-phenoxyethanol
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Result:	>500 mg/L

Product/substance	2-phenoxyethanol
Test method:	Richtlijn 67/548/EEG, Bijlage V, C.1.
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Result:	625 mg/L

Product/substance	2-phenoxyethanol
Test method:	OECD 211
Species:	Daphnia, Daphnia magna
Test:	NOEC
Result:	9,43 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Test:	EC50
Result:	107 mg/kg

Product/substance	2-phenoxyethanol
Test:	EC50
Result:	37 mg/kg

Product/substance	sodium hydroxide
Species:	Bacteria, Pseudomonas putida
Test:	EC0
Result:	>100 mg/L

Product/substance	sodium hydroxide
Species:	Daphnia, Ceriodaphnia dubia
Duration:	48 hours
Result:	40.4 mg/L

Product/substance	sodium hydroxide
Test method:	OECD 203
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	45.4 mg/L

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

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

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

Product/substance	1,2-benzisothiazol-3(2H)-one
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Result:	2,9 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Compartment:	Water
Duration:	72 hours

Test:	ErC50
Result:	0,11 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	NOEC
Result:	0,0403 mg/L

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

12.2. ▼Persistence and degradability

Product/substance	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
Result:	>90-<100 %
Conclusion:	-
Test:	OECD 301 F

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion: Readily biodegradable

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

Product/substance	2-phenoxyethanol
Compartment:	Activated Sludge Plant
Duration:	28 days
Result:	90 %
Conclusion:	Readily biodegradable
Test:	OECD 301 F

Product/substance	2-phenoxyethanol
Compartment:	Activated Sludge Plant
Result:	> 90 %
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-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	Alanine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
LogKow:	-4
Conclusion:	Bioaccumulation is not expected

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Conclusion:	Bioaccumulation is not expected
Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-
Product/substance	sodium hydroxide
Conclusion:	Bioaccumulation is not expected
Product/substance	1,2-benzisothiazol-3(2H)-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low
Product/substance	1,2-benzisothiazol-3(2H)-one
LogKow:	0,7
Conclusion:	-

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 information:
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 users.
Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education:

No specific requirements.

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

Not applicable.

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

< 5%
· Amphoteric surfactants
· 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

H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
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
EC = Effective concentration
ED = Effective dose
EINECS = European Inventory of Existing Commercial chemical Substances
EL = Effective Loading
ErC = Concentration associated with x% growth rate response
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
HP = Hazardous Property code
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IC = X maximum inhibitory concentration
IMDG = International Maritime Dangerous Goods
LC = Lethal concentration
LCLo = Value is the lowest concentration of a material in air reported to have caused the death of animals or humans
LD = Lethal dose
LOAEC = Lowest Observed Adverse Effect Concentration
LOAEL = Lowest Observed Adverse Effect Level
LOEC = Lowest Observed Effect Concentration
LogKow = logarithm of the n-octanol/water coefficient
LL = Lethal Loading
M = For multiplication factor
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NOAEC = No Observed Adverse Effect Concentration
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
NOELR = No Observable Effect Loading Rate
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