

SAFETY DATA SHEET

i.31 flexdose

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

1.1. Product identifier

Trade name:

i.31 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:

02/07/2026

SDS Version:

1.0

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% - <15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

· Perfumes

· Preservation agent (PHENOXYETHANOL)

· Preservation agent (2-BROMO-2-NITROPROPANE-1,3-DIOL)

· 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 propoxylaate	CAS No.: 69227-22-1 EC No.: UK-REACH:	5-10%	Eye Irrit. 2, H319	[19]

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

	Index No.:			
ethanol	CAS No.: 64-17-5 EC No.: 200-578-6 UK-REACH: 01-2119457610-43-XXXX Index No.:	1-3%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 (C ≥ 50.0%)	
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	
Glycerides, coco mono- and di-, ethoxylated	CAS No.: 68201-46-7 EC No.: 614-376-4 UK-REACH: Index No.:	<1%		
Tri-sodium citrate dihydrate	CAS No.: 6132-04-3 EC No.: 612-118-5 UK-REACH: Index No.:	<1%		
Sodium N-methyl-N-(1-oxotetradecyl)aminoacetate	CAS No.: 30364-51-3 EC No.: 250-151-3 UK-REACH: Index No.:	<0.25%	Skin Irrit. 2, H315 (SCL: 30.00 %) Eye Dam. 1, H318	
Xanthan gum	CAS No.: 11138-66-2 EC No.: 234-394-2 UK-REACH: Index No.:	<0.1%		
butanone ethyl methyl ketone	CAS No.: 78-93-3 EC No.: 201-159-0 UK-REACH: Index No.: 606-002-00-3	<0.05%	EUH066 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]
propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 UK-REACH: Index No.: 603-117-00-0	<0.05%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 (SCL≥20%)	
Linalyl acetate	CAS No.: 115-95-7 EC No.: 204-116-4 UK-REACH: 01-2119454789-19-XXXX 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: 01-2119963921-31-XXXX Index No.:	<0.05%	Acute Tox. 4, H302 Eye Irrit. 2, H319	
Geranyl acetate	CAS No.: 105-87-3 EC No.: 203-341-5 UK-REACH: 01-2119973480-35-XXXX Index No.:	<0.01%	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412	
3,7-dimethyloct-6-en-3-ol	CAS No.: 18479-51-1	<0.01%	Skin Irrit. 2, H315	

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

	EC No.: 242-359-8 UK-REACH: 01-2120738993-40-XXXX Index No.:			
Denatonium benzoate	CAS No.: 3734-33-6 EC No.: 223-095-2 UK-REACH: 01-2120102843-65-XXXX Index No.:	<0.0001%	Acute Tox. 4, H302 Eye Dam. 1, H318 Acute Tox. 4, H332	

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

Other information

[1] European occupational exposure limit.

[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 / CO₂)

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

ethanol

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

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

Long term exposure limit (8 hours) (mg/m³): 1920

butanone ethyl methyl ketone

Long term exposure limit (8 hours) (ppm): 200

Long term exposure limit (8 hours) (mg/m³): 600

Short term exposure limit (15 minutes) (ppm): 300

Short term exposure limit (15 minutes) (mg/m³): 899

Annotations:

BMVG = Biological Monitoring Guidance Value exists

Sk = Can be absorbed through the skin and lead to systemic toxicity.

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

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/m ³
Long term – Systemic effects - General population	Inhalation	1.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m ³
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/m ³
Long term – Local effects - Workers	Inhalation	8,07 mg/m ³
Long term – Systemic effects	Inhalation	2,41 mg/m ³
Long term – Systemic effects - Workers	Inhalation	5,7 mg/m ³
Long term – Systemic effects - Workers	Inhalation	8,07 mg/m ³
Long term – Local effects - General population	Oral	9,32 mg/kg bw/day
Short term – Systemic effects	Oral	9,23 mg/kg bw/day

butanone ethyl methyl ketone

Duration:	Route of exposure:	DNEL:
Long term		200 ppmV
Short term		300 ppmV
Long term – Systemic effects - Workers	Dermal	1,161 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	106 mg/m ³

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

Long term – Systemic effects - Workers	Inhalation	590 mg/m ³
Short term – Systemic effects - General population	Inhalation	450 mg/m ³
Short term – Systemic effects - Workers	Inhalation	900 mg/m ³
Long term – Systemic effects - General population	Oral	31 mg/kg

ethanol

Duration:	Route of exposure:	DNEL:
Long term		260 mg/m ³
Long term – Systemic effects - General population	Dermal	206 mg/kg
Long term – Systemic effects - Workers	Dermal	343 mg/kg
Long term – Systemic effects - General population	Inhalation	114 mg/m ³
Long term – Systemic effects - Workers	Inhalation	380 mg/m ³
Long term – Systemic effects - Workers	Inhalation	950 mg/m ³
Short term – Local effects - General population	Inhalation	950 mg/m ³
Short term – Local effects - Workers	Inhalation	1900 mg/m ³
Long term – Systemic effects - General population	Oral	87 mg/kg

Linalyl acetate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	236.2 µg/cm ²
Long term – Local effects - Workers	Dermal	236.2 µg/cm ²
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 ²
Short term – Local effects - Workers	Dermal	236.2 µg/cm ²
Long term – Systemic effects - General population	Inhalation	0.68 mg/m ³
Long term – Systemic effects - Workers	Inhalation	2.75 mg/m ³
Long term – Systemic effects - General population	Oral	0.2 mg/kg bw/day

propan-2-ol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	319 mg/kg
Long term – Systemic effects - Workers	Dermal	888 mg/kg
Long term – Systemic effects - General population	Inhalation	89 mg/m ³
Long term – Systemic effects - Workers	Inhalation	500 mg/m ³
Short term – Systemic effects - General population	Inhalation	178 mg/m ³
Short term – Systemic effects - Workers	Inhalation	1,000 mg/m ³
Long term – Systemic effects - General population	Oral	26 mg/kg
Long term – Systemic effects - General population	Oral	26 mg/kg bw/day
Short term – Systemic effects - General population	Oral	51 mg/kg bw/day

PNEC

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

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

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

butanone ethyl methyl ketone

Route of exposure:	Duration of Exposure:	PNEC:
Soil		22.5 mg/kg

ethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0.96 mg/L
Freshwater sediment		3.6 mg/kg
Intermittent release (freshwater)		2.75 mg/L
Marine water		0.79 mg/L
Marine water sediment		2.9 mg/kg
Predators		0.38 g/kg
Predators		0.72 mg/kg
Sewage treatment plant		580 mg/L
Soil		0.63 mg/kg

Linalyl acetate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0.011 mg/L
Freshwater sediment		0.609 mg/kg
Intermittent release (freshwater)		0.11 mg/L
Marine water		0.001 mg/L

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

Marine water sediment		0.061 mg/kg
Sewage treatment plant		1 mg/L
Soil		0.115 mg/kg

propan-2-ol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		140,9 mg/L
Freshwater sediment		552 mg/kg
Intermittent release		140,9 mg/L
Marine water		140,9 mg/L
Marine water sediment		552 mg/kg
Predators		160 mg/kg
Sewage treatment plant		2251 mg/L
Soil		28 mg/kg

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/cm³):

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 Alcoholethoxylaate propoxylaate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	> 5000 Read across mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50

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

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 propan-2-ol
Species: Rat
Route of exposure: Oral
Test: LD50
Result: >2000 mg/kg

Product/substance propan-2-ol
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: >2000 mg/kg

Product/substance propan-2-ol
Species: Rat
Route of exposure: Inhalation
Test: LC50
Result: >20

Product/substance propan-2-ol
Route of exposure: Oral
Test: LD50
Result: 5849 mg/kg

Product/substance propan-2-ol
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 5840 mg/kg

Product/substance propan-2-ol
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: 12800 mg/kg

Product/substance propan-2-ol
Route of exposure: Inhalation
Test: LC50
Result: 301002 mg/L

Product/substance propan-2-ol
Species: Rat

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

Route of exposure: Oral
Test: LD50
Result: > 5000 mg/kg

Product/substance propan-2-ol
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: >5000 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 C10-16 Alcoholethoxylaate propoxylaate
Result: Adverse effect observed (Irritating)

Product/substance ethanol
Test method: OECD 404
Species: Rabbit
Result: No adverse effect observed (Not 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 butanone ethyl methyl ketone
Species: Rabbit
Result: Adverse effect observed (Moderately irritating)

Product/substance propan-2-ol
Test method: OECD 404
Species: Rabbit
Duration: 4 hours

Product/substance 1,2-benzisothiazol-3(2H)-one
Test method: OECD 404

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

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 ethanol
Test method: OECD 405
Species: Rabbit
Result: Adverse effect observed (Irritating)

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 butanone ethyl methyl ketone
Species: Rabbit
Result: Adverse effect observed (Highly irritating)

Product/substance propan-2-ol
Species: Rabbit
Result: Adverse effect observed (Irritating)

Product/substance propan-2-ol
Test method: OECD 405
Species: Rabbit
Result: Adverse effect observed (Causes serious eye damage)

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 2-phenoxyethanol
Result: Adverse effect observed (sensitising)

Product/substance butanone ethyl methyl ketone
Species: Guinea pig
Result: No adverse effect observed (not sensitising)

Product/substance butanone ethyl methyl ketone

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

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

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

Skin sensitisation

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

Product/substance	propan-2-ol
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	ethanol
Test method:	OECD 471
Species:	S. typhimurium
Conclusion:	No adverse effect observed

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

Product/substance	butanone ethyl methyl ketone
Test method:	Ames-test
Species:	S. typhimurium
Conclusion:	No adverse effect observed

Product/substance	propan-2-ol
Test method:	OECD 474
Conclusion:	No adverse effect observed

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

Carcinogenicity

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

Reproductive toxicity

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	propan-2-ol
Route of exposure:	Oral

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

STOT-repeated exposure

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

Aspiration hazard

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

propan-2-ol has been classified by IARC as a group 3.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	C10-16 Alcholethoxylaate propoxylaate
Test method:	OECD 203
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>1 - 10 mg/L

Product/substance	C10-16 Alcholethoxylaate propoxylaate
Test method:	OECD 202
Duration:	48 hours
Test:	EC50
Result:	>1 - 10 mg/L

Product/substance	C10-16 Alcholethoxylaate propoxylaate
Test method:	OECD 201
Duration:	72 hours
Test:	EC50
Result:	> 1 - 10 mg/L

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

Product/substance	C10-16 Alcholethoxylaate propoxylaate
Duration:	48 hours
Test:	EC50
Result:	7,6 mg/L

Product/substance	C10-16 Alcholethoxylaate propoxylaate
Species:	Algae
Duration:	72 hours
Test:	IC50

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

Result: 4,41 mg/L

Product/substance ethanol
Test method: OECD 203
Species: Fish, Leuciscus idus
Duration: 48 hours
Test: LC50
Result: > 100 mg/L

Product/substance ethanol
Test method: OECD 202
Species: Daphnia, Daphnia magna
Duration: 24 hours
Test: EC50
Result: > 100 mg/L

Product/substance ethanol
Species: Algae
Test: EC50
Result: > 100 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

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

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	butanone ethyl methyl ketone
Test method:	OECD 203
Species:	Fish, Leuciscus idus
Duration:	48 hours
Test:	LC50
Result:	> 100 mg/L
Product/substance	butanone ethyl methyl ketone
Test method:	OECD 203
Species:	Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	2990 mg/L
Product/substance	butanone ethyl methyl ketone
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	> 100 mg/L
Product/substance	butanone ethyl methyl ketone
Species:	Algae, Desmodesmus subspicatus
Duration:	7 days
Test:	EC50
Result:	> 100 mg/L
Product/substance	butanone ethyl methyl ketone
Test method:	OECD 201

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

Species: Pseudokirchneriella subcapitata
Duration: 72 hours
Test: EC50
Result: 1972 mg/L

Product/substance: propan-2-ol
Species: Fish, Goudwinde (Leuciscus idus)
Duration: 48 hours
Test: LC50
Result: >100 mg/L

Product/substance: propan-2-ol
Species: Crustacean, Daphnia magna
Duration: 48 hours
Test: EC50
Result: >100 mg/L

Product/substance: propan-2-ol
Test method: OECD 201
Species: Algae, Scenedesmus subspicatus
Duration: 72 hours
Test: EC50
Result: >100 mg/L

Product/substance: propan-2-ol
Species: Fish
Test: LC50
Result: 10000 mg/L

Product/substance: propan-2-ol
Species: Daphnia, Daphnia magna
Duration: 24 hours
Test: LC50
Result: >10000 mg/L

Product/substance: propan-2-ol
Test method: OECD 203
Species: Daphnia, Pimephales promelas
Duration: 96 hours
Test: LC50
Result: 9640 mg/L

Product/substance: propan-2-ol
Test method: OECD 202
Species: Daphnia, Daphnia magna
Duration: 48 hours
Test: EC50
Result: 13300 mg/L

Product/substance: bronopol (INN);2-bromo-2-nitropropane-1,3-diol
Duration: 48 hours
Test: EC50
Result: 1,4 mg/L

Product/substance: bronopol (INN);2-bromo-2-nitropropane-1,3-diol

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

Species: Algae
Duration: 72 hours
Test: ErC50
Result: 0.4-2.8 mg/L

Product/substance: bronopol (INN);2-bromo-2-nitropropane-1,3-diol
Species: Fish
Duration: 96 hours
Test: LC50
Result: 41.2 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: C10-16 Alcoholethoxylaate propoxylaate
Conclusion: -
Test: OECD 301 B

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

Product/substance	ethanol
Duration:	5 days
Result:	> 70 %
Conclusion:	-
Test:	OECD 301 D

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	butanone ethyl methyl ketone
Duration:	28 days
Result:	98 %
Conclusion:	Readily biodegradable
Test:	OECD 301 D

Product/substance	propan-2-ol
Duration:	21 days
Result:	95%
Conclusion:	Readily biodegradable
Test:	OECD 301 E

Product/substance	propan-2-ol
Duration:	5 days
Result:	53 %
Conclusion:	Readily biodegradable

Product/substance	propan-2-ol
Result:	70-84 %
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

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

Product/substance C10-16 Alcoholethoxylaate propoxylaate
Conclusion: -

Product/substance 2-phenoxyethanol
BCF: 0.349
LogKow: 1.2
Conclusion: -

Product/substance propan-2-ol
BCF: <100
LogKow: <3
Conclusion: -

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/A DN/RID	-	-	-	-	-	-

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

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
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.

Demands for specific education:

No specific requirements.

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

Not applicable.

Regulation on drug precursors:

butanone ethyl methyl ketone is included (Category 3)

UK-REACH, Annex XVII:

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

butanone ethyl methyl ketone is subject to UK-REACH restrictions (entry 40).

propan-2-ol 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%

· Anionic surfactants

· Perfumes

· Preservation agent (PHENOXYETHANOL)

· Preservation agent (2-BROMO-2-NITROPROPANE-1,3-DIOL)

· 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.

The Controlled Drugs (Drug Precursors) Regulations 2008.

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

EUH066, Repeated exposure may cause skin dryness or cracking.

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.

H332, Harmful if inhaled.

H335, May cause respiratory irritation.

H336, May cause drowsiness or dizziness.

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