Safety Data Sheet

According to Regulation (EC) No 1907/2006

Clax 100 22A1

Revision: 2023-08-05 **Version:** 06.2

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

1.1 Product identifier
Trade name: Clax 100 22A1

UFI: 0JW6-M0F3-000M-RGQ0

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

Product use:	Laundry aid . For professional use only.
Uses advised against:	Uses other than those identified are not recommended.

SWED - Sector-specific worker exposure description :
AISE_SWED_PW_8b_2
AISE_SWED_PW_1_1
AISE_SWED_PW_4_1

1.3 Details of the supplier of the safety data sheet
Diversey Europe Operations BV, Maarssenbroeksedijk 2, 3542DN Utrecht, The Netherlands

Contact details
Diversey Ltd
Weston Favell Centre, Northampton NN3 8PD, United Kingdom
Tel: 01604 405311, Fax: 01604 406809
Regulatory Email: customerservice.uk@diversey.com

1.4 Emergency telephone number
Seek medical advice (show the label or safety data sheet where possible)
For medical or environmental emergency only:
call 0800 052 0185

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Eye Dam. 1 (H318)
Aquatic Chronic 3 (H412)

2.2 Label elements

Signal word: Danger.

Contains 2-phenoxyethanol (Phenoxyethanol), Alcohols, C10-16, ethoxylated (7-<15 EO) (C12-15 Pareth-7), alkyl alcohol ethoxylate (C12-18 Pareth 7-15), alkyl alcohol ethoxylate (C12-15 Pareth-3)

Hazard statements:
H318 - Causes serious eye damage.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements:
P280 - Wear eye or face protection.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTRE, doctor or physician.

Further indications on the label:
Contains: preservative.

2.3 Other hazards
No other hazards known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
Alcohols, C10-16, ethoxylated (7-<15 EO)	[4]	68002-97-1	[4]	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Aquatic Chronic 3 (H412)		10-20
alkyl alcohol ethoxylate	[4]	68213-23-0	[4]	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Aquatic Chronic 3 (H412)		10-20
Propan-2-ol	200-661-7	67-63-0	01-2119457558-25	Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319)		3-10
alkyl alcohol ethoxylate	[4]	68131-39-5	[4]	Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)		3-10
alkyl alcohol alkoxylate	[4]	9038-95-3	[4]	Acute Tox. 4 (H302)		1-3
2-phenoxyethanol	204-589-7	122-99-6	01-2119488943-21	Acute Tox. 4 (H302) STOT SE 3 (H335) Eye Dam. 1 (H318)		0.1-1
3-iodo-2-propynylbutylcarbamate	259-627-5	55406-53-6	01-2120762115-60	Acute Tox. 3 (H331) STOT RE 1 (H372) Acute Tox. 4 (H302) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 M=10 (H400) Aquatic Chronic 1 (H410)		0.01-0.1

Workplace exposure limit(s), if available, are listed in subsection 8.1.
ATE, if available, are listed in section 11.
[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.
[6] Exempted: biocidal active. See Article 15(2) of Regulation (EC) No 1907/2006.
For the full text of the H and EUH phrases mentioned in this Section, see Section 16..

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Get medical attention or advice if you feel unwell.

Skin contact: Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.

Eye contact: Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE, doctor or physician.

Ingestion: Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.

Self-protection of first aider: Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: No known effects or symptoms in normal use.

Skin contact: No known effects or symptoms in normal use.

Eye contact: Causes severe or permanent damage.

Ingestion: No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed
No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures

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

5.2 Special hazards arising from the substance or mixture
No special hazards known.

5.3 Advice for firefighters
As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear eye/face protection.

6.2 Environmental precautions
Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

6.3 Methods and material for containment and cleaning up
Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

6.4 Reference to other sections
For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Measures to prevent fire and explosions:
No special precautions required.
Measures required to protect the environment:
For environmental exposure controls see subsection 8.2.
Advices on general occupational hygiene:
Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless adviced by Diversey. Wash hands before breaks and at the end of workday. Avoid contact with eyes. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities
Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging.
For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3 Specific end use(s)
No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Workplace exposure limits

Air limit values, if available:

Ingredient(s)	UK - Long term value(s)	UK - Short term value(s)
Propan-2-ol	400 ppm 999 mg/m³	500 ppm 1250 mg/m³

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

DNEL/DMEL and PNEC values
Human exposure
DNEL/DMEL oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Alcohols, C10-16, ethoxylated (7-<15 EO)	-	-	-	-
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
Propan-2-ol	-	-	-	26
alkyl alcohol ethoxylate	-	-	-	-
alkyl alcohol alkoxylate	-	-	-	-
2-phenoxyethanol	-	9.23	-	9.23

3-iodo-2-propynylbutylcarbamate	-	-	-	-

DNEL/DMEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
Alcohols, C10-16, ethoxylated (7-<15 EO)	-	-	No data available	-
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
Propan-2-ol	-	-	-	888
alkyl alcohol ethoxylate	No data available	-	No data available	-
alkyl alcohol alkoxylate	-	-	-	-
2-phenoxyethanol	No data available	-	No data available	20.83
3-iodo-2-propynylbutylcarbamate	-	-	-	2

DNEL/DMEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
Alcohols, C10-16, ethoxylated (7-<15 EO)	-	-	No data available	-
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
Propan-2-ol	-	-	-	319
alkyl alcohol ethoxylate	No data available	-	No data available	-
alkyl alcohol alkoxylate	-	-	-	-
2-phenoxyethanol	No data available	-	No data available	10.42
3-iodo-2-propynylbutylcarbamate	-	-	-	-

DNEL/DMEL inhalatory exposure - Worker (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Alcohols, C10-16, ethoxylated (7-<15 EO)	-	-	-	-
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
Propan-2-ol	-	-	-	500
alkyl alcohol ethoxylate	-	-	-	-
alkyl alcohol alkoxylate	-	-	-	-
2-phenoxyethanol	-	-	8.07	8.07
3-iodo-2-propynylbutylcarbamate	1.16	0.07	1.16	0.023

DNEL/DMEL inhalatory exposure - Consumer (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Alcohols, C10-16, ethoxylated (7-<15 EO)	-	-	-	-
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
Propan-2-ol	-	-	-	89
alkyl alcohol ethoxylate	-	-	-	-
alkyl alcohol alkoxylate	-	-	-	-
2-phenoxyethanol	-	-	2.41	2.41
3-iodo-2-propynylbutylcarbamate	-	-	-	-

Environmental exposure

Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
Alcohols, C10-16, ethoxylated (7-<15 EO)	-	-	-	-
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
Propan-2-ol	140.9	140.9	140.9	2251
alkyl alcohol ethoxylate	-	-	-	-
alkyl alcohol alkoxylate	-	-	-	-
2-phenoxyethanol	0.943	0.0943	3.44	24.8
3-iodo-2-propynylbutylcarbamate	0.001	0	0.001	0.44

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m³)
Alcohols, C10-16, ethoxylated (7-<15 EO)	-	-	-	-
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
Propan-2-ol	552	552	28	-
alkyl alcohol ethoxylate	-	-	-	-
alkyl alcohol alkoxylate	-	-	-	-
2-phenoxyethanol	7.2366	0.7237	1.26	-
3-iodo-2-propynylbutylcarbamate	0.017	0.002	0.005	-

8.2 Exposure controls

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

Recommended safety measures for handling the undiluted product:

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

REACH use scenarios considered for the undiluted product:

	SWED - Sector-specific worker exposure description	LCS	PROC	Duration (min)	ERC
Automatic transfer and dilution	AISE_SWED_PW_8b_2	PW	PROC 8b	60	ERC8b

Personal protective equipment
Eye / face protection: Safety glasses or goggles (EN 166).
Hand protection: No special requirements under normal use conditions.
Body protection: No special requirements under normal use conditions.
Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (% w/w): 0.42

Appropriate engineering controls: No special requirements under normal use conditions.
Appropriate organisational controls: No special requirements under normal use conditions.

REACH use scenarios considered for the diluted product:

	SWED	LCS	PROC	Duration (min)	ERC
Automatic application in a dedicated closed system	AISE_SWED_PW_1_1	PW	PROC 1	480	ERC8a
Automatic application in a dedicated system	AISE_SWED_PW_4_1	PW	PROC 4	480	ERC8a

Personal protective equipment
Eye / face protection: No special requirements under normal use conditions.
Hand protection: No special requirements under normal use conditions.
Body protection: No special requirements under normal use conditions.
Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
Information in this section refers to the product, unless it is specifically stated that substance data is listed

Method / remark

Physical state: Liquid
Colour: Clear , Light , Colourless
Odour: Product specific
Odour threshold: Not applicable
Melting point/freezing point (°C): Not determined — Not relevant to classification of this product
Initial boiling point and boiling range (°C): Not determined — See substance data

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available		
alkyl alcohol ethoxylate	No data available		
Propan-2-ol	82	Method not given	1013
alkyl alcohol ethoxylate	No data available		
alkyl alcohol alkoxylate	No data available		
2-phenoxyethanol	244.3	OECD 103 (EU A.2)	
3-iodo-2-propynylbutylcarbamate	Product decomposes	OECD 103 (EU A.2)	

	before boiling		

Method / remark

Flammability (solid, gas): Not applicable to liquids
Flammability (liquid): Not flammable.
Flash point (°C): ≈ 45 °C — closed cup
Sustained combustion: The product does not sustain combustion — UN Manual of Tests and Criteria, section 32, L.2
(UN Manual of Tests and Criteria, section 32, L.2)
Lower and upper explosion limit/flammability limit (%): Not determined — See substance data

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
Propan-2-ol	2	13
2-phenoxyethanol	1.4	9

Method / remark

Autoignition temperature: Not determined
Decomposition temperature: Not applicable.
pH: ≈ 5 (neat) — ISO 4316
Dilution pH: ≈ 6 (0.42 %) — ISO 4316
Kinematic viscosity: Not determined — DM-006 Viscosity - Additional
Solubility in / Miscibility with water: Fully miscible

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available		
alkyl alcohol ethoxylate	No data available		
Propan-2-ol	Soluble	Method not given	
alkyl alcohol ethoxylate	No data available		
alkyl alcohol alkoxylate	No data available		
2-phenoxyethanol	24	Method not given	20
3-iodo-2-propynylbutylcarbamate	0.168	OECD 105 (EU A.6)	

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

Method / remark

Vapour pressure: Not determined — See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available		
alkyl alcohol ethoxylate	No data available		
Propan-2-ol	4200	Method not given	20
alkyl alcohol ethoxylate	No data available		
alkyl alcohol alkoxylate	< 10	Method not given	20
2-phenoxyethanol	10	Method not given	20
3-iodo-2-propynylbutylcarbamate	0.000045	OECD 104 (EU A.4)	25

Method / remark

Relative density: ≈ 0.98 (20 °C) — OECD 109 (EU A.3)
Relative vapour density: No data available. — Not relevant to classification of this product
Particle characteristics: No data available. — Not applicable to liquids.

9.2 Other information
9.2.1 Information with regard to physical hazard classes
Explosive properties: Not explosive. Vapours may form explosive mixtures with air.
Oxidising properties: Not oxidising.
Corrosion to metals: Not corrosive

9.2.2 Other safety characteristics
No other relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions
No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid
None known under normal storage and use conditions.

10.5 Incompatible materials
None known under normal use conditions.

10.6 Hazardous decomposition products
None known under normal storage and use conditions.

SECTION 11: Toxicological information

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

Mixture data: .

Relevant calculated ATE(s):
ATE - Oral (mg/kg): >2000

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

Acute toxicity
Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
Alcohols, C10-16, ethoxylated (7-<15 EO)	LD_{50}	≥ 1000		Read across		1000
alkyl alcohol ethoxylate	LD_{50}	> 300 - 2000		OECD 401 (EU B.1)		Not established
Propan-2-ol	LD_{50}	5840	Rat	OECD 401 (EU B.1)		Not established
alkyl alcohol ethoxylate	LD_{50}	> 2000	Rat			Not established
alkyl alcohol alkoxylate	LD_{50}	> 300-2000	Rat	OECD 423 (EU B.1 tris)		Not established
2-phenoxyethanol	LD_{50}	1840	Rat	OECD 401 (EU B.1)		1840
3-iodo-2-propynylbutylcarbamate	LD_{50}	1056	Rat	OECD 401 (EU B.1)		1056

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
Alcohols, C10-16, ethoxylated (7-<15 EO)	LD_{50}	> 2000		Method not given		Not established
alkyl alcohol ethoxylate		No data available				Not established
Propan-2-ol	LD_{50}	> 2000	Rabbit	Method not given		Not established
alkyl alcohol ethoxylate		No data available				Not established
alkyl alcohol alkoxylate		No data available				Not established
2-phenoxyethanol	LD_{50}	> 2214	Rabbit	Method not given		Not established
3-iodo-2-propynylbutylcarbamate	LD_{50}	> 2000	Rabbit	EPA OPP 81-2	24	Not established

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available			
alkyl alcohol ethoxylate		No data available			
Propan-2-ol	LC_{50}	> 25 (vapour)	Rat	OECD 403 (EU B.2)	6
alkyl alcohol ethoxylate		No data available			
alkyl alcohol alkoxylate		No data available			
2-phenoxyethanol	LC_{0}	> 1 (mist)	Rat	Method not given	6
3-iodo-2-propynylbutylcarbamate	LC_{50}	0.763 (mist)	Rat	Method not given	4

Acute inhalative toxicity, continued

Ingredient(s)	ATE - inhalation, dust	ATE - inhalation, mist	ATE - inhalation,	ATE - inhalation, gas

	(mg/l)	(mg/l)	vapour (mg/l)	(mg/l)
Alcohols, C10-16, ethoxylated (7-<15 EO)	Not established	Not established	Not established	Not established
alkyl alcohol ethoxylate	Not established	Not established	Not established	Not established
Propan-2-ol	Not established	Not established	Not established	Not established
alkyl alcohol ethoxylate	Not established	Not established	Not established	Not established
alkyl alcohol alkoxylate	Not established	Not established	Not established	Not established
2-phenoxyethanol	Not established	Not established	Not established	Not established
3-iodo-2-propynylbutylcarbamate	Not established	0.763	Not established	Not established

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Alcohols, C10-16, ethoxylated (7-<15 EO)	Not irritant	Rabbit	Method not given	
alkyl alcohol ethoxylate	Not irritant		OECD 404 (EU B.4)	
Propan-2-ol	Not irritant	Rabbit	OECD 404 (EU B.4)	
alkyl alcohol ethoxylate	No data available			
alkyl alcohol alkoxylate	Not irritant	Rabbit	OECD 404 (EU B.4) Read across	
2-phenoxyethanol	Not irritant	Rabbit	OECD 404 (EU B.4)	
3-iodo-2-propynylbutylcarbamate	Not irritant	Rabbit	EPA OPP 81-5	4 hour(s)

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Alcohols, C10-16, ethoxylated (7-<15 EO)	Severe damage	Rabbit	Method not given	
alkyl alcohol ethoxylate	Severe damage		OECD 405 (EU B.5)	
Propan-2-ol	Irritant	Rabbit	OECD 405 (EU B.5)	
alkyl alcohol ethoxylate	No data available			
alkyl alcohol alkoxylate	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5) Read across	
2-phenoxyethanol	Irritant	Rabbit	OECD 405 (EU B.5)	
3-iodo-2-propynylbutylcarbamate	Severe damage	Rabbit	EPA OPP 81-4	0.5 minute(s)

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available			
alkyl alcohol ethoxylate	No data available			
Propan-2-ol	No data available			
alkyl alcohol ethoxylate	No data available			
alkyl alcohol alkoxylate	No data available			
2-phenoxyethanol	No data available			
3-iodo-2-propynylbutylcarbamate	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
Alcohols, C10-16, ethoxylated (7-<15 EO)	Not sensitising	Guinea pig	Method not given	
alkyl alcohol ethoxylate	No data available			
Propan-2-ol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
alkyl alcohol ethoxylate	No data available			
alkyl alcohol alkoxylate	No data available			
2-phenoxyethanol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
3-iodo-2-propynylbutylcarbamate	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available			
alkyl alcohol ethoxylate	No data available			
Propan-2-ol	No data available			
alkyl alcohol ethoxylate	No data available			
alkyl alcohol alkoxylate	No data available			
2-phenoxyethanol	No data available			
3-iodo-2-propynylbutylcarbamate	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
Alcohols, C10-16, ethoxylated (7-<15 EO)	No evidence for mutagenicity, negative test results	Method not given	No evidence for mutagenicity, negative test results	Method not given
alkyl alcohol ethoxylate	No evidence for mutagenicity, negative test results		No data available	
Propan-2-ol	No evidence for mutagenicity, negative test results No evidence of genotoxicity, negative test results	OECD 471 (EU B.12/13)	No evidence of genotoxicity, negative test results	OECD 474 (EU B.12)
alkyl alcohol ethoxylate	No data available		No data available	
alkyl alcohol alkoxylate	No data available		No data available	
2-phenoxyethanol	No evidence for mutagenicity, negative test results	Method not given	No data available	
3-iodo-2-propynylbutylcarbamate	No evidence for mutagenicity		No data available	

Carcinogenicity

Ingredient(s)	Effect
Alcohols, C10-16, ethoxylated (7-<15 EO)	No evidence for carcinogenicity, weight-of-evidence
alkyl alcohol ethoxylate	No data available
Propan-2-ol	No evidence for carcinogenicity, negative test results
alkyl alcohol ethoxylate	No data available
alkyl alcohol alkoxylate	No data available
2-phenoxyethanol	No evidence for carcinogenicity, weight-of-evidence
3-iodo-2-propynylbutylcarbamate	No data available

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
Alcohols, C10-16, ethoxylated (7-<15 EO)			No data available		Literature		No evidence for teratogenic effects No evidence for reproductive toxicity
alkyl alcohol ethoxylate			No data available				
Propan-2-ol			No data available				
alkyl alcohol ethoxylate			No data available				
alkyl alcohol alkoxylate			No data available				
2-phenoxyethanol			No data available				No evidence for reproductive toxicity No known significant effects or critical hazards
3-iodo-2-propynylbutylcarbamate		Developmental toxicity Teratogenic effects	-				No evidence for developmental toxicity No evidence for teratogenic effects

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available				
alkyl alcohol ethoxylate		No data available				
Propan-2-ol		No data available				
alkyl alcohol ethoxylate		No data available				
alkyl alcohol alkoxylate		No data available				
2-phenoxyethanol		No data available				
3-iodo-2-propynylbutylcarbamate		No data available				

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available				
alkyl alcohol ethoxylate		No data available				
Propan-2-ol		No data available				
alkyl alcohol ethoxylate		No data				

		available				
alkyl alcohol alkoxylate		No data available				
2-phenoxyethanol		No data available				
3-iodo-2-propynylbutylcarbamate		No data available				

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available				
alkyl alcohol ethoxylate		No data available				
Propan-2-ol		No data available				
alkyl alcohol ethoxylate		No data available				
alkyl alcohol alkoxylate		No data available				
2-phenoxyethanol		No data available				
3-iodo-2-propynylbutylcarbamate		No data available				

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
Alcohols, C10-16, ethoxylated (7-<15 EO)			No data available					
alkyl alcohol ethoxylate			No data available					
Propan-2-ol			No data available					
alkyl alcohol ethoxylate			No data available					
alkyl alcohol alkoxylate			No data available					
2-phenoxyethanol			No data available					
3-iodo-2-propynylbutylcarbamate			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available
alkyl alcohol ethoxylate	No data available
Propan-2-ol	Central nervous system
alkyl alcohol ethoxylate	No data available
alkyl alcohol alkoxylate	No data available
2-phenoxyethanol	No data available
3-iodo-2-propynylbutylcarbamate	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available
alkyl alcohol ethoxylate	No data available
Propan-2-ol	No data available
alkyl alcohol ethoxylate	No data available
alkyl alcohol alkoxylate	No data available
2-phenoxyethanol	No data available
3-iodo-2-propynylbutylcarbamate	No data available

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

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

11.2 Information on other hazards
11.2.1 Endocrine disrupting properties
Endocrine disrupting properties - Human data, if available:

11.2.2 Other information
No other relevant information available.

SECTION 12: Ecological information

12.1 Toxicity

No data is available on the mixture .

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

Aquatic short-term toxicity
Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Alcohols, C10-16, ethoxylated (7-<15 EO)	LC_{50}	> 1-10	*Brachydanio rerio*	Method not given	96
alkyl alcohol ethoxylate	LC_{50}	1 - 10		ISO 7346	
Propan-2-ol	LC_{50}	> 100	*Pimephales promelas*	Method not given	48
alkyl alcohol ethoxylate		No data available			
alkyl alcohol alkoxylate	LC_{50}	> 100	*Brachydanio rerio*	OECD 203 (EU C.1)	96
2-phenoxyethanol	LC_{50}	344	*Pimephales promelas*	Method not given	96
3-iodo-2-propynylbutylcarbamate	LC_{50}	0.067	*Oncorhynchus mykiss*	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Alcohols, C10-16, ethoxylated (7-<15 EO)	EC_{50}	> 1-10	*Daphnia magna Straus*	Method not given	48
alkyl alcohol ethoxylate	EC_{50}	1 - 10		OECD 202 (EU C.2)	
Propan-2-ol	EC_{50}	> 100	*Daphnia magna Straus*	Method not given	48
alkyl alcohol ethoxylate		No data available			
alkyl alcohol alkoxylate	EC_{50}	> 100	*Daphnia magna Straus*	Method not given	48
2-phenoxyethanol	EC_{50}	> 500	*Daphnia magna Straus*	Method not given	48
3-iodo-2-propynylbutylcarbamate	EC_{50}	0.16	*Daphnia magna Straus*	Method not given	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Alcohols, C10-16, ethoxylated (7-<15 EO)	EC_{50}	> 1-10	*Desmodesmus subspicatus*	Method not given	72
alkyl alcohol ethoxylate	EC_{50}	1 -10		OECD 201 (EU C.3)	
Propan-2-ol	EC_{50}	> 100	*Scenedesmus quadricauda*	Method not given	72
alkyl alcohol ethoxylate		No data available			
alkyl alcohol alkoxylate	EC_{50}	> 100	*Not specified*	Method not given	72
2-phenoxyethanol	EC_{50}	> 500	*Desmodesmus subspicatus*	DIN 38412, Part 9	72
3-iodo-2-propynylbutylcarbamate	$E_r C_{50}$	0.022	*Desmodesmus subspicatus*		72

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available			
alkyl alcohol ethoxylate		No data available			
Propan-2-ol		No data available			
alkyl alcohol ethoxylate		No data available			
alkyl alcohol alkoxylate		No data			

		available			
2-phenoxyethanol		No data available			
3-iodo-2-propynylbutylcarbamate		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
Alcohols, C10-16, ethoxylated (7-<15 EO)	EC_{50}	140	*Activated sludge*	Method not given	
alkyl alcohol ethoxylate	EC_{0}	> 100		DIN 38412 / Part 8	
Propan-2-ol	EC_{50}	> 1000	*Activated sludge*	Method not given	
alkyl alcohol ethoxylate		No data available			
alkyl alcohol alkoxylate		No data available			
2-phenoxyethanol	EC_{20}	620	*Activated sludge*	ISO 8192	0.5 hour(s)
3-iodo-2-propynylbutylcarbamate	EC_{50}	44	*Activated sludge*	Method not given	3 hour(s)

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available				
alkyl alcohol ethoxylate		No data available				
Propan-2-ol		No data available				
alkyl alcohol ethoxylate		No data available				
alkyl alcohol alkoxylate		No data available				
2-phenoxyethanol	NOEC	23	*Pimephales promelas*	Method not given	34 day(s)	
3-iodo-2-propynylbutylcarbamate	NOEC	0.0084	*Pimephales promelas*	Method not given	35 day(s)	

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Alcohols, C10-16, ethoxylated (7-<15 EO)	EC_{10}	> 0.1-1	*Daphnia sp.*	OECD 211		
alkyl alcohol ethoxylate		No data available				
Propan-2-ol		No data available				
alkyl alcohol ethoxylate		No data available				
alkyl alcohol alkoxylate		No data available				
2-phenoxyethanol	NOEC	9.43	*Daphnia magna*	OECD 211	21 day(s)	
3-iodo-2-propynylbutylcarbamate	EC_{50}	0.05	*Daphnia magna*	Method not given	21 day(s)	

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

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available				
alkyl alcohol ethoxylate		No data available				
Propan-2-ol		No data available				
alkyl alcohol ethoxylate		No data available				
alkyl alcohol alkoxylate		No data available				
2-phenoxyethanol		No data available				
3-iodo-2-propynylbutylcarbamate		No data available				

Terrestrial toxicity

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

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
Propan-2-ol		No data available				
2-phenoxyethanol	LD_{50}	1000	*Eisenia fetida*	OECD 207	14	

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
Propan-2-ol		No data available				
2-phenoxyethanol	EC_{50}	34	*Brassica napus*	OECD 208	19	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
Propan-2-ol		No data available				

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
Propan-2-ol		No data available				

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
Propan-2-ol		No data available				
2-phenoxyethanol		147	*Not specified*	OECD 217	7	

12.2 Persistence and degradability

Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Ingredient(s)	Half-life time	Method	Evaluation	Remark
Propan-2-ol	No data available			

Abiotic degradation - hydrolysis, if available:

Ingredient(s)	Half-life time in fresh water	Method	Evaluation	Remark
Propan-2-ol	No data available			

Abiotic degradation - other processes, if available:

Ingredient(s)	Type	Half-life time	Method	Evaluation	Remark
Propan-2-ol		No data available			

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT_{50}	Method	Evaluation
Alcohols, C10-16, ethoxylated (7-<15 EO)	Activated sludge, aerobe	Method not given	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable
alkyl alcohol ethoxylate	Activated sludge, aerobe		95%	OECD 301F Read across	Readily biodegradable
Propan-2-ol			95 % in 21 day(s)	OECD 301E	Readily biodegradable
alkyl alcohol ethoxylate					Readily biodegradable
alkyl alcohol alkoxylate	Activated sludge, aerobe	BOD removal	> 60% in 28 day(s)	OECD 301F	Readily biodegradable
2-phenoxyethanol		COD removal	90 % in 28 day(s)	OECD 301F	Readily biodegradable
3-iodo-2-propynylbutylcarbamate					Inherently biodegradable.

Ready biodegradability - anaerobic and marine conditions, if available:

Ingredient(s)	Medium & Type	Analytical method	DT_{50}	Method	Evaluation
Propan-2-ol					No data available

Degradation in relevant environmental compartments, if available:

Ingredient(s)	Medium & Type	Analytical method	DT_{50}	Method	Evaluation
Propan-2-ol					No data available

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
Alcohols, C10-16, ethoxylated (7-<15 EO)	3.55	QSAR	No bioaccumulation expected	
alkyl alcohol ethoxylate	No data available			
Propan-2-ol	0.05	OECD 107	No bioaccumulation expected	
alkyl alcohol ethoxylate	-		No bioaccumulation expected	
alkyl alcohol alkoxylate	-		No bioaccumulation expected	
2-phenoxyethanol	1.2	OECD 107	No bioaccumulation expected	
3-iodo-2-propynylbutylcarbamate	2.81		Low potential for bioaccumulation	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available				
alkyl alcohol ethoxylate	No data available				
Propan-2-ol	No data available				
alkyl alcohol ethoxylate	No data available				
alkyl alcohol alkoxylate	No data available				
2-phenoxyethanol	0.35		Method not given	No bioaccumulation expected	
3-iodo-2-propynylbutylcarbamate	≥ 3.3		OECD 305	Low potential for bioaccumulation	

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available				
alkyl alcohol ethoxylate	No data available				
Propan-2-ol	No data available				Potential for mobility in soil, soluble in water
alkyl alcohol ethoxylate	No data available				
alkyl alcohol alkoxylate	No data available				
2-phenoxyethanol	40.74	No data available	Method not given		High potential for mobility in soil
3-iodo-2-propynylbutylcarbamate	No data available				

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

Endocrine disrupting properties - Environmental effects, if available:

12.7 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products: The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

European Waste Catalogue: 20 01 29* - detergents containing dangerous substances.

Empty packaging Recommendation: Dispose of observing national or local regulations.

Suitable cleaning agents: Water, if necessary with cleaning agent.

SECTION 14: Transport information

Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number: Non-dangerous goods
14.2 UN proper shipping name: Non-dangerous goods
14.3 Transport hazard class(es): Non-dangerous goods
14.4 Packing group: Non-dangerous goods
14.5 Environmental hazards: Non-dangerous goods
14.6 Special precautions for user: Non-dangerous goods
14.7 Maritime transport in bulk according to IMO instruments: Non-dangerous goods

Other relevant information:
IMO/IMDG

Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

SECTION 15: Regulatory information

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

National regulations :
• Regulation (EC) 1907/2006 - REACH (UK amended)
• Regulation (EC) 1272/2008 - CLP (UK amended)
• Regulation (EC) 648/2004 - Detergents regulation (UK amended)
• Delegated Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (UK amended)
• Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
• International Maritime Dangerous Goods (IMDG) Code

Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.

Ingredients according to Detergents Regulation
non-ionic surfactants >= 30 %
Phenoxyethanol, optical brighteners, Iodopropynyl Butylcarbamate, Sorbic Acid

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents (UK amended). Data to support this assertion are held at the disposal of the competent authorities of the UK and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Comah - classification: Not classified

15.2 Chemical safety assessment
A chemical safety assessment has not been carried out on the mixture

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

SDS code: MSDS8119 **Version:** 06.2 **Revision:** 2023-08-05

Reason for revision:
This data sheet contains changes from the previous version in section(s):, 8, 16

Classification procedure
The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

Abbreviations and acronyms:
• AISE - The international Association for Soaps, Detergents and Maintenance Products
• ATE - Acute Toxicity Estimate
• DNEL - Derived No Effect Limit
• EC50 - effective concentration, 50%
• ERC - Environmental release categories
• EUH - CLP Specific hazard statement
• LC50 - Lethal Concentration, 50% / Median Lethal Concentration
• LCS - Life cycle stage
• LD50 - Lethal Dose, 50% / Median Lethal dose

- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organisation for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- H225 - Highly flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H331 - Toxic if inhaled.
- H335 - May cause respiratory irritation.
- H336 - May cause drowsiness or dizziness.
- H372 - Causes damage to organs through prolonged or repeated exposure.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- H411 - Toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

End of Safety Data Sheet