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EU safety data sheet

Trade name: CITOCLYN BASE

Current version: 1.0.0, Revision: 15.07.2026 **Replaced version:** -, Revision: - **Region:** GER

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

1.1 Product identifier

Trade name

CITOCLYN BASE

UFI:
79GJ-S1HJ-Y00S-Q3A4

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

Relevant identified uses of the substance or mixture
cleaning compound

Uses advised against
No data available.

1.3 Details of the supplier of the safety data sheet

Address
CITO-SYSTEM GmbH
Hugo-Junkers-Straße 7
90411 Nürnberg

Telephone no. +49 (0)911/95885-0
Fax no. +49 (0)911/95885-500
e-mail www.cito.de

Advice on Safety Data Sheet
sdb_info@umco.de

1.4 Emergency telephone number

In case of transport incidents and other emergencies:
+49 89 220 61012 (NCEC, National Chemical Emergency Centre)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)
Eye Irrit. 2; H319
Skin Irrit. 2; H315
Skin Sens. 1; H317

Classification information
This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:
Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP
Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms

GHS07

Signal word
Warning

Hazardous component(s) to be indicated on label:
2-methyl-2H-isothiazol-3-one

Hazard statement(s)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P501	Dispose of contents/container to a facility in accordance with local and national regulations.

UFI:
79GJ-S1HJ-Y00S-Q3A4

Supplemental label elements
Regulation (EC) No 648/2004 on detergents (Annex VII):
<5% non-ionic surfactants
<5% cationic surfactants
<5% amphoteric surfactants
<5% Phosphate
METHYLISOTHIAZOLINONE

2.3 Other hazards

This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

PBT assessment
According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment
According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	**Alcohols, C9-11, ethoxylated**			
	68439-46-3 - - -	Acute Tox. 4; H302 Eye Irrit. 2; H319	< 5,00	wt%
2	**2-(2-butoxyethoxy)ethanol**			

	112-34-5 203-961-6 603-096-00-8 01-2119475104-44	Eye Irrit. 2; H319	< 5,00	wt%
3	**2-aminoethanol**			
	141-43-5 205-483-3 603-030-00-8 01-2119486455-28	Acute Tox. 4; H302 Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335	< 5,00	wt%
4	**potassium hydroxide**			
	1310-58-3 215-181-3 019-002-00-8 01-2119487136-33	Acute Tox. 4; H302 Skin Corr. 1A; H314 Met. Corr. 1; H290 Eye Dam. 1; H318	< 2,50	wt%
5	**2-methyl-2H-isothiazol-3-one**			
	2682-20-4 220-239-6 613-326-00-9 01-2120764690-50	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 2; H330 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071	< 0,10	wt%

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
3	-	STOT SE 3; H335: C >= 5%	-	-
4	-	Eye Irrit. 2; H319: C >= 0,5% Skin Irrit. 2; H315: C >= 0,5% Skin Corr. 1B; H314: C >= 2% Skin Corr. 1A; H314: C >= 5%	-	-
5	-	Skin Sens. 1A; H317: C >= 0,0015%	M = 10	M = 1

Acute toxicity estimate (ATE) values			
No	**oral**	**dermal**	**inhalative**
3	1089 mg/kg bodyweight	1100 mg/kg bodyweight	
4	333 mg/kg bodyweight		
5	120 mg/kg bodyweight	242 mg/kg bodyweight	

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician. In case of allergic symptoms, especially respiratory tract related, seek medical help immediately.

After inhalation
Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air.

After skin contact
Rinse with plenty of water.

After eye contact
Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

After ingestion
Rinse the mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed
No data available.

4.3 Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

Unsuitable extinguishing media
High power water jet

5.2 Special hazards arising from the substance or mixture
In the event of fire, the following can be released: Carbon oxides (COx); Toxic gases/vapours

5.3 Advice for firefighters
Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Refer to protective measures listed in sections 7 and 8.

For emergency responders
Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions
Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections
Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling
Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

Advice on protection against fire and explosion
Keep away from ignition sources and provide for good ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions
Keep container tightly closed and dry in a cool, well-ventilated place.

Storage stability
Value 12 months

Requirements for storage rooms and vessels
Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products
Substances to be avoided, see section 10.

Stoarge Class according TRGS 510
10 Combustible liquids that cannot be assigned to any of the above storage classes

7.3 Specific end use(s)
No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.		EC no.	
1	**2-(2-butoxyethoxy)ethanol**	**112-34-5**		**203-961-6**	
	2006/15/EC				
	2-(2-Butoxyethoxy)ethanol				
	WEL short-term (15 min reference period)	101,2	mg/m³	15	ppm
	WEL long-term (8-hr TWA reference period)	67,5	mg/m³	10	ppm
	TRGS 900				
	2-(2-Butoxyethoxy)ethanol				
	WEL long-term (8-hr TWA reference period)	67	mg/m³	10	ml/m³
	Ceiling Limit Notes	1,5(I) Y, 11			
2	**2-aminoethanol**	**141-43-5**		**205-483-3**	
	2006/15/EC				
	2-Aminoethanol				
	WEL short-term (15 min reference period)	7,6	mg/m³	3	ppm
	WEL long-term (8-hr TWA reference period)	2,5	mg/m³	1	ppm
	Skin resorption / sensibilisation	Skin			
	TRGS 907				
	2-Aminoethanol 3)				
	Skin resorption / sensibilisation	Sh			
	TRGS 900				
	2-Amino-ethanol				
	WEL long-term (8-hr TWA reference period)	0,5	mg/m³	0,2	ml/m³
	Ceiling Limit Skin resorption / sensibilisation Notes	1(I) H, Sh Y, 11			

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	**Exposure time**	**Effect**	**Value**	
1	**2-(2-butoxyethoxy)ethanol**			**112-34-5 203-961-6**	
	inhalative	Long term (chronic)	local	67,5	mg/m³
	inhalative	Short term (acut)	local	101,2	mg/m³
2	**2-aminoethanol**			**141-43-5 205-483-3**	
	dermal	Long term (chronic)	systemic	3,0	mg/kg/day
	inhalative	Long term (chronic)	systemic	1,0	mg/m³
	inhalative	Long term (chronic)	local	0,51	mg/m³
3	**potassium hydroxide**			**1310-58-3 215-181-3**	
	inhalative	Long term (chronic)	local	1	mg/m³
4	**2-methyl-2H-isothiazol-3-one**			**2682-20-4 220-239-6**	
	dermal	Long term (chronic)	local	0,021	mg/m³
	dermal	Short term (acut)	local	0,043	mg/m³
	inhalative	Long term (chronic)	local	0,021	mg/m³
	inhalative	Short term (acut)	local	0,043	mg/m³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	**Exposure time**	**Effect**	**Value**	
1	**2-(2-butoxyethoxy)ethanol**			**112-34-5 203-961-6**	
	oral	Long term (chronic)	systemic	6,25	mg/kg/day
2	**2-aminoethanol**			**141-43-5 205-483-3**	
	oral	Long term (chronic)	systemic	1,5	mg/kg/day
	dermal	Long term (chronic)	systemic	1,5	mg/kg/day
	inhalative	Long term (chronic)	systemic	0,18	mg/m³
	inhalative	Long term (chronic)	local	0,28	mg/m³
3	**potassium hydroxide**			**1310-58-3 215-181-3**	
	inhalative	Long term (chronic)	local	1	mg/m³
4	**2-methyl-2H-isothiazol-3-one**			**2682-20-4 220-239-6**	
	oral	Long term (chronic)	systemic	0,027	mg/kg/day
	oral	Short term (acut)	systemic	0,053	mg/kg/day
	inhalative	Long term (chronic)	local	0,021	mg/m³
	inhalative	Short term (acut)	local	0,043	mg/m³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	**Type**	**Value**	
1	**2-(2-butoxyethoxy)ethanol**		**112-34-5 203-961-6**	
	water	fresh water	1,1	mg/L
	water	fresh water sediment	4,4	mg/kg
	with reference to: dry weight			
	water	marine water	0,11	mg/L

	water	marine water sediment	0,44	mg/kg
	with reference to: dry weight			
	soil	-	0,32	mg/kg
	sewage treatment plant	-	200	mg/L
	secondary poisoning	-	56	mg/kg food
2	**2-aminoethanol**		**141-43-5 205-483-3**	
	water	fresh water	0,07	mg/L
	water	marine water	0,007	mg/L
	water	Aqua intermittent	0,028	mg/kg dry weight
	water	fresh water sediment	0,357	mg/kg dry weight
	water	marine water sediment	0,036	mg/L
	soil	-	1,29	mg/kg dry weight
	sewage treatment plant	-	100	mg/L
3	**2-methyl-2H-isothiazol-3-one**		**2682-20-4 220-239-6**	
	water	fresh water	3,39	µg/L
	water	marine water	3,39	µg/L
	soil	-	0,047	mg/kg dry weight
	sewage treatment plant	-	0,23	mg/L

8.2 Exposure controls

Appropriate engineering controls
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection
If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Short term: filter apparatus, Filter A

Eye / face protection
Safety glasses with side protection shield (EN 166)

Hand protection
Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	nitrile		
Material thickness	>	0,38	mm
Breakthrough time	appr.	240	min

Other
Chemical-resistant work clothes.

Environmental exposure controls
No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation
liquid

Colour
pink

Odour
characteristic

pH value			
Value		11,3	
Reference temperature		20	°C

Boiling point / boiling range			
Value	>	100	°C

Melting point/freezing point
No data available

Decomposition temperature
No data available

Flash point			
Value	>	100	°C

Ignition temperature
No data available

Flammability
No data available

Lower explosion limit
No data available

Upper explosion limit
No data available

Vapour pressure			
Value		23,39	hPa
Reference temperature		20	°C

Relative vapour density
No data available

Relative density
No data available

Density			
Value		1,01	g/cm³
Reference temperature		20	°C

Solubility in water	
Comments	soluble

Solubility
No data available

Partition coefficient n-octanol/water (log value)			
No	**Substance name**	**CAS no.**	**EC no.**
1	**2-aminoethanol**	**141-43-5**	**205-483-3**

log Pow		-2,3	
Reference temperature		25	°C
Method	OECD 107		
Source	ECHA		
2	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**	**220-239-6**
log Pow		-0,486	
Reference temperature		20	°C
Method	OECD 107		
Source	ECHA		

Kinematic viscosity
No data available

Particle characteristics
No data available

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability
Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions
Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid
None known

10.5 Incompatible materials
None known.

10.6 Hazardous decomposition products
None if stored, handled and transported properly. In case of fire: see section 5.

SECTION 11: Toxicological information

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

Acute oral toxicity (result of the ATE calculation for the mixture)	
Product Name	
CITOCLYN BASE	
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity				
No	**Substance name**	**CAS no.**	**EC no.**	
1	**2-aminoethanol**	**141-43-5**	**205-483-3**	
LD50		1089		mg/kg bodyweight
Species	rat			

Method	OECD 401
Source	ECHA

2	potassium hydroxide	1310-58-3	215-181-3	
LD50		333		mg/kg bodyweight
Species	rat			
Method	OECD 425			
Source	ECHA			
Evaluation/classification	Based on available data, the classification criteria are met.			

3	2-methyl-2H-isothiazol-3-one	2682-20-4	220-239-6	
LD50		120		mg/kg bodyweight
Species	rat			
Method	EPA OPPTS 870.1100			
Source	ECHA			

Acute dermal toxicity (result of the ATE calculation for the mixture)	
Product Name	
CITOCLYN BASE	
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE dermal > 2000 mg/kg).

Acute dermal toxicity				
No	**Substance name**	**CAS no.**	**EC no.**	
1	**2-aminoethanol**	**141-43-5**	**205-483-3**	
LD50		2504		mg/kg bodyweight
Species	rabbit			
Method	OECD 402			
Source	ECHA			
Evaluation/classification	The classification is according to the current version of the harmonized classification found in Annex VI of Regulation EC 1272/2008.			

2	2-methyl-2H-isothiazol-3-one	2682-20-4	220-239-6	
LD50		242		mg/kg bodyweight
Species	rat			
Method	OECD 402			
Source	ECHA			

Acute inhalational toxicity (result of the ATE calculation for the mixture)	
Product Name	
CITOCLYN BASE	
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).

Acute inhalational toxicity				
No	**Substance name**	**CAS no.**	**EC no.**	
1	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**	**220-239-6**	
LC50		0,1		mg/l
Duration of exposure		4		h
State of aggregation	Dust/mist			
Species	rat			
Method	OECD 403			

Source	ECHA

Skin corrosion/irritation			
No	**Substance name**	**CAS no.**	**EC no.**
1	**2-aminoethanol**	**141-43-5**	**205-483-3**
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	corrosive		
2	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**	**220-239-6**
Species	Human Skin Model		
Method	OECD 431		
Source	ECHA		
Evaluation	corrosive		

Serious eye damage/irritation			
No	**Substance name**	**CAS no.**	**EC no.**
1	**2-aminoethanol**	**141-43-5**	**205-483-3**
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	corrosive		
2	**potassium hydroxide**	**1310-58-3**	**215-181-3**
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	corrosive		
Evaluation/classification	Based on available data, the classification criteria are met.		
3	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**	**220-239-6**
Evaluation/classification	Test data are not required for substances classified as corrosive to the skin		

Respiratory or skin sensitisation			
No	**Substance name**	**CAS no.**	**EC no.**
1	**2-aminoethanol**	**141-43-5**	**205-483-3**
Route of exposure	Skin		
Species	guinea pig		
Source	ECHA		
Evaluation	non-sensitizing		
2	**potassium hydroxide**	**1310-58-3**	**215-181-3**
Route of exposure	Skin		
Species	guinea pig		
Source	ECHA		
Evaluation	non-sensitizing		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**	**220-239-6**
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	sensitizing		

Germ cell mutagenicity			
No	**Substance name**	**CAS no.**	**EC no.**
1	**2-aminoethanol**	**141-43-5**	**205-483-3**
Type of examination	in vitro gene mutation study in mammalian cells		
Source	ECHA		

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

2	**potassium hydroxide**	**1310-58-3**	**215-181-3**
Type of examination	in vitro gene mutation study in bacteria		
Species	Bacteria - Salmonella typhimurium		
Method	Ames-Test		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

3	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**	**220-239-6**
Species	Salmonella typhimurium TA98, TA100, TA102, TA1535, TA1537		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
No	**Substance name**	**CAS no.**	**EC no.**
1	**2-aminoethanol**	**141-43-5**	**205-483-3**
Species	rat		
Method	OECD 416		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**	**220-239-6**
Species	rat		
Method	OECD 416		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity			
No	**Substance name**	**CAS no.**	**EC no.**
1	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**	**220-239-6**
Species	rat		
Method	OECD 453		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

STOT - single exposure
No data available

STOT - repeated exposure			
No	**Substance name**	**CAS no.**	**EC no.**
1	**2-aminoethanol**	**141-43-5**	**205-483-3**
Route of exposure	oral		
NOAEL	300		mg/kg bw/d
Species	rat		
Method	OECD 416		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Route of exposure	inhalational		
NOEC	10		mg/m³
Species	rat		
Method	OECD 412		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**	**220-239-6**
NOAEL	19		mg/kg bw/d
Species	rat		
Method	OECD 408		
Source	ECHA		

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

Aspiration hazard
No data available

11.2 Information on other hazards

Endocrine disrupting properties
Product Name
CITOCLYN BASE
This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Other information
No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**2-aminoethanol**	**141-43-5**		**205-483-3**
LC50		349		mg/l
Duration of exposure		96		h
Species	Cyprinus carpio			
Method	440/2008/EC C.1.			
Source	ECHA			
2	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**		**220-239-6**
LC50		4,77		mg/l
Duration of exposure		96		h
Species	Oncorhynchus mykiss			
Method	OECD 203			
Source	ECHA			

Toxicity to fish (chronic)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**2-aminoethanol**	**141-43-5**		**205-483-3**
NOEC		1,24		mg/l
Duration of exposure		41		day(s)
Species	Oryzias latipes			
Method	OECD 210			
Source	ECHA			
2	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**		**220-239-6**
NOEC		4,93		mg/l
Duration of exposure		62		day(s)
Species	Oncorhynchus mykiss			
Method	OECD 210			
Source	ECHA			

Toxicity to Daphnia (acute)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**		**220-239-6**
EC50		0,85		mg/l
Duration of exposure		48		h
Species	Daphnia magna			
Method	OECD 202			

Source	ECHA

Toxicity to Daphnia (chronic)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**		**220-239-6**
NOEC		0,359		mg/l
Duration of exposure		21		day(s)
Species	Daphnia magna			
Method	OECD 211			
Source	ECHA			

Toxicity to algae (acute)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**2-(2-butoxyethoxy)ethanol**	**112-34-5**		**203-961-6**
EC50	>	100		mg/l
Duration of exposure		72		h
Species	Desmodesmus subspicatus			
Source	ECHA			
2	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**		**220-239-6**
EC50		0,072		mg/l
Duration of exposure		72		h
Species	Selenastrum capricornutum			
Method	OECD 201			
Source	ECHA			

Toxicity to algae (chronic)
No data available

Bacteria toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**2-aminoethanol**	**141-43-5**		**205-483-3**
EC10	>	1000		mg/l
Duration of exposure		30		min
Species	activated sludge			
Method	OECD 209			
Source	ECHA			
2	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**		**220-239-6**
EC50		41		mg/l
Duration of exposure		3		h
Species	activated sludge			
Method	OECD 209			
Source	ECHA			

12.2 Persistence and degradability

Biodegradability				
No	**Substance name**	**CAS no.**		**EC no.**
1	**2-aminoethanol**	**141-43-5**		**205-483-3**
Type	aerobic biodegradation			
Value	>	90		%
Duration		21		day(s)
Method	OECD 301 A			
Source	ECHA			
Evaluation	readily biodegradable			
2	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**		**220-239-6**
Value		50		%
Duration		29		day(s)
Method	OECD 301 B			

Source	ECHA
Evaluation	not readily biodegradable
Value	%

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	**Substance name**	**CAS no.**	**EC no.**
1	**2-aminoethanol**	**141-43-5**	**205-483-3**
BCF	2,3 - 9,2		
Method	Calculation model used (Q)SAR		
Source	ECHA		

Partition coefficient n-octanol/water (log value)			
No	**Substance name**	**CAS no.**	**EC no.**
1	**2-aminoethanol**	**141-43-5**	**205-483-3**
log Pow	-2,3		
Reference temperature	25 °C		
Method	OECD 107		
Source	ECHA		
2	**2-methyl-2H-isothiazol-3-one**	**2682-20-4**	**220-239-6**
log Pow	-0,486		
Reference temperature	20 °C		
Method	OECD 107		
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
Product Name	
CITOCLYN BASE	
PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.
vPvB assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

12.6 Endocrine disrupting properties

Endocrine disrupting properties
Product Name
CITOCLYN BASE
Pursuant to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605, the product does not contain any endocrine disruptors in a concentration of 0.1% weight by weight and above.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.
Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging
Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 UN number or ID number
Not classified as dangerous in the meaning of transport regulations.

14.2 UN proper shipping name
Not classified as dangerous in the meaning of transport regulations.

14.3 Transport hazard class(es)
Not classified as dangerous in the meaning of transport regulations.

14.4 Packing group
Not classified as dangerous in the meaning of transport regulations.

14.5 Environmental hazards
Not classified as dangerous in the meaning of transport regulations.

14.6 Special precautions for user
No data available.

14.7 Maritime transport in bulk according to IMO instruments
Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation
According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	2-(2-butoxyethoxy)ethanol	112-34-5	203-961-6	55, 75
2	2-aminoethanol	141-43-5	205-483-3	75
3	2-methyl-2H-isothiazol-3-one	2682-20-4	220-239-6	75
4	potassium hydroxide	1310-58-3	215-181-3	75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances
This product is not subject to Part 1 or 2 of Annex I.

Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)	
VOC content	10,115 g/L
VOC-value	1,002 %

Other regulations
Adhere to the national sanitary and occupational safety regulations when using this product.

National regulations

Water Hazard Class (Germany)

Class	1
Source	Classification according to AwSV (Regulation on facilities for handling substances that are hazardous to water).

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:
Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.
Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

EUH071	Corrosive to the respiratory tract.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Classification information
This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:
Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP
Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

Creation of the safety data sheet
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This information is based on our present knowledge and experience.
The safety data sheet describes products with a view to safety requirements.
It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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