

Trade name: Nano Pure Polish**Product no.:** 435999**Current version :** 4.0.0, issued: 19.04.2021**Replaced version:** 3.0.0, issued: 03.12.2020**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Nano Pure Polish****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Foam gloss polish

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**

Koch-Chemie GmbH

Einsteinstr. 42

D-59423 Unna

Telephone no. +49-2303-9 86 70-0

Fax no. +49-2303-9 86 70-26

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

For information in the event of an emergency during transport:

+44 1865 407333

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Eye Dam. 1; H318

Skin Irrit. 2; H315

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**

GHS05

Signal word

Danger

Hazardous component(s) to be indicated on label:

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides,

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inner salts
3-C12-18-(even numbered)-alkylamido-N,N-dimethylpropan-1-amino oxide
D-Glucopyranose, oligomeric, decyl octyl glycosides

Hazard statement(s)

H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statement(s)

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 CENTER/doctor.

2.3 Other hazards

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	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts			
	97862-59-4 931-296-8 - 01-2119488533-30	Aquatic Chronic 3; H412 Eye Dam. 1; H318	>= 10.00 - < 25.00	wt%
2	3-C12-18-(even numbered)-alkylamido-N,N-dimethylpropan-1-amino oxide			
	68155-09-9 939-581-9 - 01-2119978229-22	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 3; H412	>= 5.00 - < 10.00	wt%
3	D-Glucopyranose, oligomeric, decyl octyl glycosides			
	68515-73-1 500-220-1 - 01-2119488530-36	Eye Dam. 1; H318	>= 5.00 - < 10.00	wt%
4	2-butoxyethanol			
	111-76-2 203-905-0 603-014-00-0 01-2119475108-36	Acute Tox. 4; H302 Acute Tox. 4; H312 Acute Tox. 4; H332 Eye Irrit. 2; H319 Skin Irrit. 2; H315	< 5.00	wt%

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5	Acetic acid			
	64-19-7 200-580-7 607-002-00-6 01-2119475328-30	Flam. Liq. 3; H226 Skin Corr. 1A; H314 Eye Dam. 1; H318	< 2.50	wt%
6	1-Propanamine, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, ester with fatty acids, C18 unsaturated, Me sulphates (salts)			
	- 939-685-4 - 01-2119983493-26	Aquatic Chronic 3; H412 Eye Dam. 1; H318 Skin Irrit. 2; H315	< 2.50	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	Eye Irrit. 2; H319: C >= 4% Eye Dam. 1; H318: C >= 10%	-	-
5	B	Skin Irrit. 2; H315: C >= 10% Eye Irrit. 2; H319: C >= 10% Skin Corr. 1B; H314: C >= 25% Skin Corr. 1A; H314: C >= 90%	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

Acute toxicity estimate (ATE) values				
No	oral	dermal	inhalative	
4	1746 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.

After inhalation

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

After skin contact

In case of contact with skin wash off immediately with copious amounts of water. Consult a doctor if skin irritation persists.

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). Get immediate ophthalmic treatment.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

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

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Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas. Water spray jet; Foam; Carbon dioxide; Dry chemical extinguisher

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: Corrosive gases/vapours; Carbon monoxide (CO); Carbon dioxide (CO₂); Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear full protective suit.

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. Use personal protective clothing. Do not inhale vapours.

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. Have emergency shower available. Provide eye wash fountain in work area.

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.

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.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

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Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
	2000/39/EC		
	2-Butoxyethanol		
	WEL short-term (15 min reference period)	246	mg/m ³ 50 ppm
	WEL long-term (8-hr TWA reference period)	98	mg/m ³ 20 ppm
	Skin resorption / sensibilisation	Skin	
	List of approved workplace exposure limits (WELs) / EH40		
	2-Butoxyethanol		
	WEL short-term (15 min reference period)	246	mg/m ³ 50 ppm
	WEL long-term (8-hr TWA reference period)	123	mg/m ³ 25 ppm
	Comments	Sk, BMGV	
2	Acetic acid	64-19-7	200-580-7
	2017/164/EU		
	Acetic acid		
	WEL short-term (15 min reference period)	50	mg/m ³ 20 ppm
	WEL long-term (8-hr TWA reference period)	25	mg/m ³ 10 ppm
	List of approved workplace exposure limits (WELs) / EH40		
	Acetic acid		
	WEL short-term (15 min reference period)	50	mg/m ³ 20 ppm
	WEL long-term (8-hr TWA reference period)	25	mg/m ³ 10 ppm

DNEL, DMEL and PNEC values**DNEL values (worker)**

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts			
	dermal	Long term (chronic)	systemic	12.5 mg/kg/day
	inhalative	Long term (chronic)	systemic	44 mg/m ³
2	3-C12-18-(even numbered)-alkylamido-N,N-dimethylpropan-1-amino oxide			
	dermal	Long term (chronic)	systemic	5 mg/kg/day
	inhalative	Long term (chronic)	systemic	3.52 mg/m ³
3	D-Glucopyranose, oligomeric, decyl octyl glycosides			
	dermal	Long term (chronic)	systemic	595000 mg/kg/day
	inhalative	Long term (chronic)	systemic	420 mg/m ³
4	2-butoxyethanol			
	dermal	Long term (chronic)	systemic	125.00 mg/kg/day
	dermal	Short term (acut)	systemic	89.00 mg/kg/day
	inhalative	Long term (chronic)	systemic	98.00 mg/m ³
	inhalative	Short term (acut)	systemic	1091.00 mg/m ³
	inhalative	Long term (chronic)	local	246.00 mg/m ³
5	Acetic acid			
	inhalative	Long term (chronic)	local	25 mg/m ³
	inhalative	Short term (acut)	local	25 mg/m ³
6	1-Propanamine, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, ester with fatty acids, C18 unsaturated, Me sulphates (salts)			
	dermal	Long term (chronic)	systemic	112.5 mg/kg/day
	inhalative	Long term (chronic)	systemic	8.72 mg/m ³

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DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts			97862-59-4 931-296-8	
	oral	Long term (chronic)	systemic	7.5	mg/kg/day
	dermal	Long term (chronic)	systemic	7.5	mg/kg/day
2	3-C12-18-(even numbered)-alkylamido-N,N-dimethylpropan-1-amino oxide			68155-09-9 939-581-9	
	oral	Long term (chronic)	systemic	0.25	mg/kg/day
	dermal	Long term (chronic)	systemic	2.5	mg/kg/day
	inhalative	Long term (chronic)	systemic	0.87	mg/m ³
3	D-Glucopyranose, oligomeric, decyl octyl glycosides			68515-73-1 500-220-1	
	oral	Long term (chronic)	systemic	35.7	mg/kg/day
	dermal	Long term (chronic)	systemic	357000	mg/kg/day
	inhalative	Long term (chronic)	systemic	124	mg/m ³
4	2-butoxyethanol			111-76-2 203-905-0	
	oral	Long term (chronic)	systemic	6.30	mg/kg/day
	oral	Short term (acut)	systemic	26.70	mg/kg/day
	dermal	Long term (chronic)	systemic	75.00	mg/kg/day
	dermal	Short term (acut)	systemic	89.00	mg/kg/day
	inhalative	Long term (chronic)	systemic	59.00	mg/m ³
	inhalative	Short term (acut)	systemic	426.00	mg/m ³
	inhalative	Long term (chronic)	local	147.00	mg/m ³
5	Acetic acid			64-19-7 200-580-7	
	inhalative	Long term (chronic)	local	25	mg/m ³
	inhalative	Short term (acut)	local	25	mg/m ³
6	1-Propanamine, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, ester with fatty acids, C18 unsaturated, Me sulphates (salts)			- 939-685-4	
	oral	Long term (chronic)	systemic	1.25	mg/kg/day
	dermal	Long term (chronic)	systemic	56.25	mg/kg/day
	inhalative	Long term (chronic)	systemic	2.17	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts		97862-59-4 931-296-8	
	water	fresh water	0.013	mg/L
	water	marine water	0.001	mg/L
	water	fresh water sediment	1	mg/kg dry weight
	water	marine water sediment	0.1	mg/kg dry weight
	soil	-	0.8	mg/kg dry weight
	sewage treatment plant	-	3000	mg/L
2	3-C12-18-(even numbered)-alkylamido-N,N-dimethylpropan-1-amino oxide		68155-09-9 939-581-9	
	water	fresh water	30.3	µg/L
	water	marine water	3.04	µg/L
	water	fresh water sediment	0.214	mg/kg dry weight
	water	marine water sediment	0.214	mg/kg dry weight

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			weight
	soil	-	0.025 µg/kg dry weight
	sewage treatment plant	-	9.7 mg/L
	secondary poisoning	-	0.5 mg/kg food
3	D-Glucopyranose, oligomeric, decyl octyl glycosides		68515-73-1 500-220-1
	water	fresh water	0.176 mg/L
	water	marine water	0.0176 mg/L
	water	Aqua intermittent	0.27 mg/L
	water	fresh water sediment	1.516 mg/kg dry weight
	water	marine water sediment	0.152 mg/kg dry weight
	soil	-	0.654 mg/kg dry weight
	sewage treatment plant	-	560 mg/L
	secondary poisoning	-	111.11 mg/kg food
4	2-butoxyethanol		111-76-2 203-905-0
	water	fresh water	8.80 mg/L
	water	marine water	0.88 mg/L
	water	fresh water sediment	34.60 mg/kg
	with reference to: dry weight		
	water	marine water sediment	3.46 mg/kg
	water	Aqua intermittent	26.4 mg/L
	soil	-	2.33 mg/kg dry weight
	sewage treatment plant	-	463.00 mg/L
	secondary poisoning	-	0.02 g/kg
5	Acetic acid		64-19-7 200-580-7
	water	fresh water	3.058 mg/L
	water	marine water	0.3058 mg/L
	water	fresh water sediment	11.36 mg/kg
	water	marine water sediment	1.136 mg/kg
	water	Aqua intermittent	30.58 mg/L
	soil	-	0.47 mg/kg
	sewage treatment plant	-	85 mg/L
6	1-Propanamine, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, ester with fatty acids, C18 unsaturated, Me sulphates (salts)		- 939-685-4
	water	fresh water	0.017 mg/L
	water	marine water	0.002 mg/L
	water	fresh water sediment	1.7 mg/kg dry weight
	water	marine water sediment	0.17 mg/kg dry weight
	soil	-	0.331 mg/kg dry weight
	sewage treatment plant	-	10 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

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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.

Eye / face protection

Tightly fitting safety glasses (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.

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	
Form/Colour	
liquid	
yellow	
Odour	
of lemon	
pH value	
Value	appr. 5
Boiling point / boiling range	
Value	> 100 °C
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
No data available	
Ignition temperature	
No data available	
Flammability	
No data available	
Lower explosion limit	
No data available	
Upper explosion limit	
No data available	
Vapour pressure	
No data available	

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Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value	1.04	g/cm ³	
Reference temperature	20	°C	
Solubility in water			
Comments	miscible		
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	3-C12-18-(even numbered)-alkylamido-N,N-dimethylpropan-1-amino oxide	68155-09-9	939-581-9
log Pow		1.27	
Reference temperature		20	°C
Source	ECHA		
2	2-butoxyethanol	111-76-2	203-905-0
log Pow		0.81	
Reference temperature		25	°C
Source	ECHA		
Viscosity			
Value	<	5	mPa*s
Reference temperature		20	°C
Type	dynamic		
Particle characteristics			
No data available			

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

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, if handled according to intended use.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

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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)	
No	Product Name
1	Nano Pure Polish
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	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		
2	2-butoxyethanol	111-76-2	203-905-0
LD50	>	1746	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	Nano Pure Polish
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	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
2	2-butoxyethanol	111-76-2	203-905-0
LD50	>	2000	mg/kg bodyweight
Species	guinea pig		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	Nano Pure Polish
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	EC no.

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1	2-butoxyethanol	111-76-2	203-905-0
ATE		1.5	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
Duration of exposure		4	h
Species	rabbit		
Method	EU B.4		
Source	ECHA		
Evaluation	irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	Irreversible effects on the eye		
2	2-butoxyethanol	111-76-2	203-905-0
Duration of exposure		24	h
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	Irritating to eyes		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	3-C12-18-(even numbered)-alkylamido-N,N-dimethylpropan-1-amino oxide	68155-09-9	939-581-9
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
Route of exposure	Skin		
Species	guinea pig		
Source	ECHA		
Evaluation	non-sensitizing		
3	2-butoxyethanol	111-76-2	203-905-0
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
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No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
NOAEL			
Species	rat		
Method	OECD 421		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
Species	rat		
Method	OECD 451		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

STOT - single exposure	
No data available	

STOT - repeated exposure	
No data available	

Aspiration hazard	
No data available	

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	3-C12-18-(even numbered)-alkylamido-N,N-dimethylpropan-1-amino oxide	68155-09-9	939-581-9
LC50		0.68	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
LC50		126	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 203		
Source	ECHA		
3	2-butoxyethanol	111-76-2	203-905-0
LC50		>	1474
Duration of exposure			96
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)			
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No	Substance name	CAS no.	EC no.
1	3-C12-18-(even numbered)-alkylamido-N,N-dimethylpropan-1-amino oxide	68155-09-9	939-581-9
NOEC		0.42	mg/l
Species	Pimephales promelas		
Method	OECD 210		
Source	ECHA		
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
NOEC		1.8	mg/l
Duration of exposure		28	day(s)
Species	Brachydanio rerio		
Method	OECD 204		
Source	ECHA		
3	2-butoxyethanol	111-76-2	203-905-0
NOEC	>	100	mg/l
Duration of exposure		21	day(s)
Species	Danio rerio		
Method	OECD 204		
Source	ECHA		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	3-C12-18-(even numbered)-alkylamido-N,N-dimethylpropan-1-amino oxide	68155-09-9	939-581-9
EC50		19.9	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
EC50	>	100	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
3	2-butoxyethanol	111-76-2	203-905-0
EC50		1550	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	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
NOEC		1	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	OECD 202		
2	2-butoxyethanol	111-76-2	203-905-0
NOEC		100	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		

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Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
EC50		27.22	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Source	ECHA		
2	2-butoxyethanol	111-76-2	203-905-0
EC50		911	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
EC50		>	560
Duration of exposure		6	h
Species	Pseudomonas putida		
Method	Bringmann and Kuehn (1977)		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
Type	DOC decrease		
Value		100	%
Duration		28	day(s)
Method	OECD 301 E		
Source	ECHA		
Evaluation	readily biodegradable		
2	2-butoxyethanol	111-76-2	203-905-0
Type	aerobic biodegradation		
Value		90.4	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	readily biodegradable		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	3-C12-18-(even numbered)-alkylamido-N,N-dimethylpropan-1-amino oxide	68155-09-9	939-581-9
log Pow		1.27	
Reference temperature		20	°C
Source	ECHA		
2	2-butoxyethanol	111-76-2	203-905-0
log Pow		0.81	
Reference temperature		25	°C

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Source

ECHA

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
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

No data available.

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 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

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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
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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.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.
Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.
The surfactants contained in this product comply with the DetVO 648/2004/EC.

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)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

B Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and

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labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

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.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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