

Trade name: einZA Grundreiniger**Product no.:** 0027186**Current version:** 2.0.0, Revision: 25.02.2026**Replaced version:** 1.0.0, Revision: 28.01.2026**Region:**
GER**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****einZA Grundreiniger****UFI:****G69H-41C2-N00V-YSR3****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

processing aids

Uses advised against

No data available.

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

einZA Farben GmbH & Co KG

Junkersstraße 13

30179 Hannover

Telephone no. +49 (0)511 67490-0

Fax no. +49 (0)511 67490-20

e-mail info@einZA.com

Information provided by / telephone

In emergencies, the country-specific emergency number can be found in the corresponding country-specific safety data sheets.

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

+49 (0)40 0511 - 674 90-0

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

Acute Tox. 4; H332

Asp. Tox. 1; H304

Eye Dam. 1; H318

Skin Corr. 1B; H314

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



GHS07



GHS08

Signal word

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Danger

Hazardous component(s) to be indicated on label:

2-butoxyethanol
D-Glucopyranose, oligomeric, decyl octyl glycosides
sodium hydroxide

Hazard statement(s)

H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H332 Harmful if inhaled.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container to a facility in accordance with local and national regulations.

UFI:

G69H-41C2-N00V-YSR3

Supplemental label elements

Regulation (EC) No 648/2004 on detergents (Annex VII):
5-15% non-ionic surfactants
Perfumings

2.3 Other hazards

The product does not contain any components > 0.1% that meet the criteria for PBT and vPvB according to Regulation (EC) No. 1907/2006, Annex XIII, or that have been included in the list compiled in accordance with Article 59(1). 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.

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	2-butoxyethanol		
	111-76-2 203-905-0 603-014-00-0 01-2119475108-36	Acute Tox. 4; H302 Acute Tox. 3; H331 Skin Irrit. 2; H315 Eye Irrit. 2; H319	>= 25,00 - < 50,00 wt%
2	D-Glucopyranose, oligomeric, decyl octyl glycosides		
	68515-73-1 500-220-1 - 01-2119488530-36	Eye Dam. 1; H318	>= 10,00 - < 25,00 wt%
3	2-(2-butoxyethoxy)ethanol		

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	112-34-5 203-961-6 603-096-00-8 01-2119475104-44	Eye Irrit. 2; H319	>= 10,00 - < 25,00	wt%
4	(2-METHOXYMETHYLETHOXY)PROPANOL			
	34590-94-8 252-104-2 - 01-2119450011-60	-	>= 10,00 - < 25,00	wt%
5	sodium hydroxide			
	1310-73-2 215-185-5 011-002-00-6 01-2119457892-27	Skin Corr. 1A; H314 Met. Corr. 1; H290 Eye Dam. 1; H318	< 5,00	wt%
6	2,2',2"-nitrilotriethanol			
	102-71-6 203-049-8 - 01-2119486482-31	-	>= 10,00 - < 25,00	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)
5	-	Skin Irrit. 2; H315: C >= 0,5% Eye Irrit. 2; H319: C >= 0,5% Skin Corr. 1B; H314: C >= 2% Skin Corr. 1A; H314: C >= 5%	-	-

Acute toxicity estimate (ATE) values				
No	oral	dermal	inhalative	
1	1200 mg/kg bodyweight			

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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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Alcohol resistant foam, CO₂, powders, water spray

Unsuitable extinguishing media
water jet.

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); Toxic pyrolysis products; Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses. Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

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). Clean preferably with a detergent - avoid use of solvents.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Due to the organic solvents' content of the mixture: Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet [sanding]/[flattening] should be used wherever possible. Avoid inhalation of dust from sanding. For personal protection see section 8.

General protective and hygiene measures

Avoid skin and eye contact. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Advice on protection against fire and explosion

Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Electrical equipment should be protected to the appropriate standard. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Comply with legal health and safety regulations; Storage in accordance with the Ordinance on Industrial Safety and Health. Prevent unauthorised access. Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep away from sources of ignition. No smoking.

Requirements for storage rooms and vessels

Always keep in containers of same material as the original one. Never use pressure to empty: container is not a pressure vessel. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Observe label precautions.

Incompatible products

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Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Stoarge Class according TRGS 510

10-13

Combustible and Non-combustible liquids and solids that cannot be assigned to storage class 1-8.

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-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	
	TRGS 900		
	2-Butoxyethanol		
	WEL long-term (8-hr TWA reference period)	49	mg/m ³ 10 ml/m ³
	Ceiling Limit	2(l)	
	Skin resorption / sensibilisation	H	
	Notes	Y	
2	2,2',2''-nitrilotriethanol	102-71-6	203-049-8
	TRGS 900		
	2,2',2''-Nitrilotriethanol		
	WEL long-term (8-hr TWA reference period)	1 E	mg/m ³
	Ceiling Limit	1 (l)	
	Notes	Y	
3	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/m ³ 15 ppm
	WEL long-term (8-hr TWA reference period)	67,5	mg/m ³ 10 ppm
	TRGS 900		
	2-(2-Butoxyethoxy)ethanol		
	WEL long-term (8-hr TWA reference period)	67	mg/m ³ 10 ml/m ³
	Ceiling Limit	1,5(l)	
	Notes	Y, 11	
4	(2-METHOXYMETHYLETHOXY)PROPANOL	34590-94-8	252-104-2
	TRGS 900		
	(2-Methoxymethylethoxy)propanol (Isomerengemisch)		
	WEL long-term (8-hr TWA reference period)	310	mg/m ³ 50 ml/m ³
	Ceiling Limit	1(l)	
	2000/39/EC		
	(2-Methoxymethylethoxy)-propanol		
	WEL long-term (8-hr TWA reference period)	308	mg/m ³ 50 ppm
	Skin resorption / sensibilisation	Skin	

Biological limit values

No	Substance name	
1	2-butoxyethanol	
	TRGS 903	
	Butoxyessigsäure	
	parameter	Butoxyessigsäure (nach Hydrolyse)
	Value	150 mg/g Kreatinin

EU safety data sheet



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Comments sample material Sampling moment	5/2024 DFG U c
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DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	2-butoxyethanol			111-76-2 203-905-0
	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
2	D-Glucopyranose, oligomeric, decyl octyl glycosides			68515-73-1 500-220-1
	dermal	Long term (chronic)	systemic	595000 mg/kg/day
	inhalative	Long term (chronic)	systemic	420 mg/m ³
3	2-(2-butoxyethoxy)ethanol			112-34-5 203-961-6
	inhalative	Long term (chronic)	local	67,5 mg/m ³
	inhalative	Short term (acut)	local	101,2 mg/m ³
4	sodium hydroxide			1310-73-2 215-185-5
	dermal	Long term (chronic)	local	
	Comments: high hazard (no threshold derived)			
	dermal	Short term (acut)	local	
	Comments: high hazard (no threshold derived)			
	inhalative	Long term (chronic)	local	1 mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	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
	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
2	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
3	2-(2-butoxyethoxy)ethanol			112-34-5 203-961-6
	oral	Long term (chronic)	systemic	6,25 mg/kg/day
4	sodium hydroxide			1310-73-2 215-185-5
	oral	Long term (chronic)	systemic	
	Comments: high hazard (no threshold derived)			
	oral	Short term (acut)	systemic	
	Comments: high hazard (no threshold derived)			
	dermal	Long term (chronic)	local	
	Comments: high hazard (no threshold derived)			
	dermal	Short term (acut)	local	
Comments: high hazard (no threshold derived)				
	inhalative	Long term (chronic)	local	1 mg/m ³

PNEC values

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No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	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
2	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	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
3	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

8.2 Exposure controls

Appropriate engineering controls

Provide good 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, suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. In case of brush application: Filter A2. When applied by spraying: Filter A2P2. (DIN EN 14387)

Eye / face protection

Wear safety goggles to protect against splashes. Safety glasses with side protection shield (EN 166)

Hand protection

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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 In case of short-term contact / splash protection: nitrile rubber

Material thickness > 0,4 mm

Breakthrough time > 120 min

Appropriate Material In case of prolonged exposure: nitrile rubber

Material thickness > 0,4 mm

Breakthrough time > 480 min

Other

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation	
liquid	
Form	
liquid	
Colour	
according to product name	
Odour	
characteristic	
pH value	
Value	13,5 - 14,0
Boiling point / boiling range	
Value	appr. 100 °C
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
Value	>= 61 °C
Method	closed cup
Ignition temperature	
No data available	
Oxidising properties	
Not applicable	
Flammability	
Not applicable	
Lower explosion limit	
No data available	
Upper explosion limit	
No data available	
Vapour pressure	
Value	< 100 hPa

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Reference temperature	50 °C
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Relative vapour density
No data available

Relative density
No data available

Density	
Value	1,00 - 1,10 g/cm ³
Reference temperature	20 °C
Method	DIN 51757

Solubility in water	
Comments	miscible

Solubility
No data available

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
log Pow		0,81	
Reference temperature		25 °C	
Source	ECHA		

Kinematic viscosity	
Value	10 - 13 sec
Reference temperature	20 °C
Method	DIN EN 2431 (4 mm)

Solvent separation test	
Not applicable	

Particle characteristics	
No data available	

9.2 Other information

Other information	
No data available.	

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

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)

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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-butoxyethanol	111-76-2	203-905-0
ATE		1200	mg/kg bodyweight
Species		rat	
Source		1272/2008/EC, Annex VI	
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
LD50		>	2000 mg/kg bodyweight
Species		rat	
Method		OECD 423	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
LD50		>	2000 mg/kg bodyweight
Species		guinea pig	
Method		OECD 402	
Source		ECHA	
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
LD50		>	2000 mg/kg bodyweight
Species		rabbit	
Method		OECD 402	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Acute inhalational toxicity (result of the ATE calculation for the mixture)	
Product Name	
einza Grundreiniger	
ATE (Mixture)	12,0000 mg/l
Route of exposure / physical form	Vapour
Method	Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6.

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
ATE		3	mg/l
Duration of exposure		4	h
State of aggregation		Vapour	
Species		rat	
Source		1272/2008/EC, Annex VI	

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	
2	sodium hydroxide	1310-73-2	215-185-5
Source		1272/2008/EC, Annex VI	
Evaluation		corrosive	

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Evaluation/classification	Based on available data, the classification criteria are met.
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Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
Duration of exposure		24	h
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		Irritating to eyes	
2	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	
Evaluation/classification		Based on available data, the classification criteria are met.	
3	sodium hydroxide	1310-73-2	215-185-5
Source		1272/2008/EC, Annex VI	
Evaluation		Irreversible effects on the eye	
Evaluation/classification		Based on available data, the classification criteria are met.	

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
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	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	sodium hydroxide	1310-73-2	215-185-5
Route of exposure		Skin	
Species		Human	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	

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			
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	

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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-butoxyethanol	111-76-2	203-905-0
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Aspiration hazard

No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

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	2-butoxyethanol	111-76-2	203-905-0
LC50		1474	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	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
NOEC		>	100
Duration of exposure		21	day(s)
Species		Danio rerio	
Method		OECD 204	
Source		ECHA	
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
NOEC		1,8	mg/l

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Duration of exposure	28	day(s)
Species	Brachydanio rerio	
Method	OECD 204	
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	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		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
EC50		>	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	sodium hydroxide	1310-73-2	215-185-5
EC50		40,4	mg/l
Duration of exposure		48	h
Species	Ceriodaphnia spec		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	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		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	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		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	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		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	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		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	2-(2-butoxyethoxy)ethanol	112-34-5	203-961-6
EC50		>	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Source	ECHA		

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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	mg/l
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	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		
2	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		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
log Pow		0,81	
Reference temperature		25	°C
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information
Do not allow to enter drains or water courses.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste code 08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

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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.

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. Empty containers must be scrapped or reconditioned.

SECTION 14: Transport information**14.1 UN number or ID number**

ADR/RID/ADN	UN3266
IMDG	UN3266
ICAO-TI / IATA	UN3266

14.2 UN proper shipping name

ADR/RID/ADN	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Technical name	sodium hydroxide
IMDG	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Technical name	sodium hydroxide
ICAO-TI / IATA	Corrosive liquid, basic, inorganic, n.o.s.
Technical name	sodium hydroxide

14.3 Transport hazard class(es)

ADR/RID/ADN - Class	8
Label	8
Classification code	C5
Tunnel restriction code	E
Hazard identification no.	80
IMDG - Class	8
Label	8
ICAO-TI / IATA - Class	8
Label	8

14.4 Packing group

ADR/RID/ADN	II
IMDG	II
ICAO-TI / IATA	II

14.5 Environmental hazards

EmS	F-A, S-B
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14.6 Special precautions for user

Transport within the user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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

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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	2,2'-iminodiethanol	111-42-2	203-868-0	75
3	2-butoxyethanol	111-76-2	203-905-0	75
4	sodium hydroxide	1310-73-2	215-185-5	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	45,00 %
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National regulations

Water Hazard Class (Germany)

Class

1

Source

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

Other regulations

The surfactants contained in this product comply with the DetVO 648/2004/EC.

GISCODE GG60 Basic cleaner, irritant (including severe eye damage), contains solvents with 2-butoxyethanol

Other national regulations

Adhere to national regulations for proper handling and use of hazardous materials. Use appropriate personal protective equipment. For example, TRGS (Technical Rules for Hazardous Substances) and the DGUV (German Social Accident Insurance) rules.

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.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

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.

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

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.

Classification information

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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.

Alterations/supplements:

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

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