

# Safety data sheet

according to Regulation (EC) No 1907/2006



## EXBETAN-X

Compilation date: 28.11.2018  
Revision date: 03.02.20218

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

#### 1.1 Product identifier

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

##### Using of substance and mixture

Cleaning agent for workshop floors

##### Uses advised against

Do not use on not solvent-resistant materials.

#### 1.3 Details of the supplier of the safety data sheet

Company name: Arcora International GmbH  
Street: Marsstraße 9  
Place: 85609 Aschheim by Munich  
Germany  
Tel: +49 (0)89 / 14 33 29 3-0  
Fax: +49 (0)89 / 14 33 29 3-29  
E-Mail: info@arcora.de

#### 1.4 Emergency telephone number + 49 (0) 89 / 14 33 29 3-10

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification under CLP (EG) Nr. 1272/2008 [CLP]

Hazard categories:  
Serious eye damage/eye irritation: Eye Irrit. 2  
Hazard statement:  
Causes serious eye irritation.

#### 2.2 Label elements

Signal word: Warning  
Pictograms: GHS07



##### Hazard statements

H319 Causes serious eye irritation.

##### Precautionary statements

P102: Keep out of reach of children.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

### 2.3 Other hazards

This substance is not identified as a PBT substance.

## SECTION 3: Composition/information on ingredients

### 3.1 Mixtures

#### Hazardous ingredients

EG-No.	Chemical name	Quantity
CAS-No.		
Index-No.	Classification according to information (EG) Nr. 1272/2008 CLP]	
REACH-No.		
203-905-0	2-Butoxy-ethanol (vgl. Butylglykol)	5 - <10 %
111-76-2		
603-014-00-0	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2, Skin Irrit. 2; H332 H312 H302 H319 H315	
	Alcohols, C9-11 ethoxylated, < 2.5 EO	1 - <5 %
68439-46-3		
	Acute Tox. 4, Eye Dam. 1; H302 H318	
248-983-7	sodium cumenesulphonate	1 - < 5 %
28348-53-0		
	Eye Irrit. 2; H319	
248-827-8	Natriumcumolsulfonat, Kaliumcumolsulfonat	1 - < 5 %
28085.69-0		
	Eye Irrit 2 H319	

Full text of H and EUH statements: see section 16.

#### Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants, < 5 % phosphonates, fragrances.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

#### After inhalation

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



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Immediately remove any contaminated clothing, shoes or stockings. After contact with skin, wash immediately with plenty of water and soap. Do not wash with: Solvents/Thinner.

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

If swallowed, rinse mouth with water (only if the person is conscious). Call a physician immediately. Put victim at rest, cover with a blanket and keep warm. Do NOT induce vomiting.

If applicable, delayed occurring symptoms and effect may be found in section 11 or at the uptake routes in section 4.1.

No relevant data available.

alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Extinguishing powder  
Water mist

## Water full jet

In case of combustion strong development of soot. Hazardous decomposition products: Soot. Danger of serious damage to health by prolonged exposure. Use suitable respiratory protection.

Self-contained breathing apparatus, protective clothing and, depending on the size of the fire, full protection if necessary.



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### Additional information

Dispose of contaminated extinguishing water in accordance with official regulations. Do not allow to enter drains or water courses..

## SECTION 6: Accidental release measures

## 6.1 Personal precautions, protective equipment and emergency procedures

Contains: Solvents - Keep away from sources of ignition - No smoking. Ventilate the affected area.

Avoid inhalation of dust/fume/gas/mist/vapor/aerosol.

Safe handling: see section 7

Personal protective equipment: see section 8

## 6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

### 6.3 Methods and material for containment and cleaning up

Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Disposal: see section 13 Clean with detergents. Avoid solvent cleaners.

## 6. 4 Reference to other sections

Safe handling: see section 7. Personal protection equipment: see section 8.  
Information on disposal: see section 13.

## SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

Contains: Solvents - Formation of explosive/highly flammable mixtures possible in case of inadequate ventilation and/or through use. Use material only in places where open light, fire and other sources of ignition are kept away. Use explosion-proof electrical equipment.

Do not empty containers under pressure. Keep/store only in original container. Do not allow to enter drains or water courses. Keep away from heat sources (e.g. hot surfaces), sparks and open flames.

Avoid contact with skin, eyes and clothing. Avoidance of: Inhalation of vapors or mists/aerosols, inhalation of dusts/particles. Do not eat, drink, smoke while working.

## Notes on fire and explosion protection

Solvent vapors are heavier than air, spread on the ground and form explosive mixtures with air.



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## Further handling information

Do not inhale gas/fumes/vapor/aerosol. Do not eat, drink, smoke or snort in the workplace. Do not carry cleaning rags soaked in product in trouser pockets. When diluting/dissolving, always put water in front and slowly stir in product. Wash hands before breaks and at the end of work. Ensure sufficient ventilation and spot extraction at critical points.

## 7.2 Conditions for safe storage, including any incompatibilities

**Requirements for storage rooms and containers:**

Storage according to: Ordinance on Industrial Safety and Health  
(BetrSichV)

**Storage together instructions:** Do not store together with: Oxidizing agents, Strong acid, Strong alkali

**Further information on storage conditions:**

Follow the instructions for use on the label. Storage temperature from °C 5 to °C 25 Contains: Solvents - Keep container tightly closed and store in a cool, well-ventilated place. Protect from sunlight. Keep away from sources of ignition - Do not smoke. Store in a place accessible only to authorized persons. Always close containers tightly after removing product.

**Further information on storage conditions:**

Keep container in a well-ventilated place. Keep container closed.  
Protect against frost.

**Storage class according to TRGS 510:**

12 (Non-flammable liquids that cannot be assigned to any of the above LGKs)

## SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

### Exposure limits (TRGS 900)

CAS-No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/m <sup>3</sup>	Limit	Remark
111-76-2	2-Butoxyethanol	10	49		4 (II)	

### Biological limit values (TRGS 903)

CAS-No.	Chemical name	Parameter	Limit value	Distinctive - material	Samples-time
111-76-2	(OLD) 2-Butoxyethanol	Butoxyessigsäure	100 mg/l	U	c

## 8.2 Exposure controls

### Appropriate engineering controls

Provide adequate ventilation. If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.



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When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Thorough skin-cleansing after handling the product. If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs.

Suitable eye protection: Dust protection eye glasses/Face protection shield DIN EN 166

Wear suitable protective gloves. Replace when worn! The design of chemical protective gloves must be selected specifically for the workplace, depending on the concentration and quantity of hazardous substances. It is recommended to clarify the chemical resistance of the above mentioned protective gloves for special applications with the glove manufacturer. Follow the manufacturer's instructions.

Suitable material: EN 374

Penetration time (maximum wearing time): > 30 min.

Apply skin protection cream before handling the product.

Wear anti-static footwear and clothing (Natural fibres (e.g. cotton) / heat-resistant synthetic fibres)

Respiratory protection necessary at: exceeding exposure limit values. Use suitable breathing apparatus.

Do not allow to enter sewage system or water bodies

### 9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

pH-value (at 20 °C): 11,3-11,5

**Test method**  
ISO 4316



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## Explosive properties

Melting point:	not determined
Initial boiling point and boiling range:	not determined
Sublimation temperature:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	DIN 53213
Flammability	No data available
Density (at 20 °C):	1.045-1.055 g/cm³ DIN 53213
Solvent separation test:	<3% (land transport (ADR/RID))

## SECTION 10: Stability and reactivity

### 10.1 Chemical stability

The product is stable under storage at normal ambient temperatures.

## 10.2 Possibility of hazardous reactions

Exothermic reaction with: Oxidising agent, Strong acid, Strong alkali.

### 10.3 Conditions to avoid

On heating: Formation of: Hazardous decomposition products

### 10.5 Hazardous decomposition products

Nitrogen oxides (NOx), soot, carbon dioxide (CO2), carbon monoxide.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

## Acute toxicity

Based on available data, the classification criteria are not met

CAS-No.	Chemical name				
	Route of exposure	Method	Dose	Species	Source
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)				
	oral	LD50	470 mg/kg	Rat	
	dermal	ATE	1100 mg/kg		ATE
	Inhalative vapour	ATE	11 mg/l		ATE
	Inhalative aerosol	ATE	1,5 mg/l		ATE
68439-46-3	Alcohols, C9-11 ethoxylated, < 2.5 EO				
	oral	LD50	>5050 mg/kg	Rat	
	dermal	LC50	>2000 mg/kg	Rabbit	
28348-53-0	sodium cumenesulphonate				
	oral	LD50	>2000 mg/kg	Rat	
	dermal	LD50	>2000 mg/kg	Rabbit	



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28085-69-0	potassium cumenesulphonate				
	oral	LD50	5557 mg/kg	Rat	
	dermal	LD50	13142 mg/kg	Rabbit	

### Symptoms / absorption route

**Corrosive/irritant to skin:**

Causes severe eye irritation. Skin corrosion/irritation: Based on available data, the classification criteria are not met.

## Sensitising effects

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

### Carcinogenic, mutagenic and toxic for reproduction effects

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

### Specific target organ toxicity at single exposure

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

### Specific target organ toxicity in case of repeated exposure

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

## Aspiration hazard

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

### Other information on examinations

The mixture was tested by the Laus Kirrweiler company. Study plan 14111003G850.

### General remarks

The mixture was tested by the Laus Kirrweiler company. Study plan 14111003G850.



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## SECTION 12: Ecological information

### 12.1 Toxicity

CAS-No.	Name					
	Aquatic toxicity	Methode	[h] [d]	Dose	Species	Source
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)					
	Acute fish toxicity	LD50	96 h	1490 mg/l	Lepomis macrochirus	
68439-46-3	Alcohols, C9-11 ethoxylated, < 2.5 EO					
	Acute fish toxicity	LD50	96 h	>5050 mg/kg	Oncorhynchus mykiss (Rainbow trout)	
	Acute algal toxicity	ErC50	72 h	0,711 mg/l	Desmodesmus subspicatus	
	Acute crustacean toxicity	EC50	48 h	9,9 mg/l		
28348-53-0	sodium cumenesulphonate					
	Acute fish toxicity	LC50	96 h	>100 mg/l	Cyprinus carpio (Carp)	
	Acute algal toxicity	ErC50	72 h	>100 mg/l	Scendesmus subspicatus	
	Acute crustacean toxicity	EC50	48 h	>100 mg/l	Daphnia magna (Large water flea)	
28085-69-0	potassium cumenesulphonate					
	Acute fish toxicity	LC50	96 h	>100 mg/l	Cyprinus carpio (Carp)	
	Acute algal toxicity	ErC50	72 h	>100 mg/l	ScenDaphnia magna (Large water flea) Scendesmus subspicatus	
	Acute crustacean toxicity	EC50	48 h	>100 mg/l	Daphnia magna (Large water flea)	

### 12.3 Bioaccumulative potential

#### Partition coefficient n-octanol/water

CAS-No.	Name	Log Pow
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)	0,81 (25 °C)

### 12.5 Results of the PBT and vPvB assessment

The substances in the mixture do not fulfil the PBT/vPvB criteria according to REACH, Annex XIII.

#### Further notes

No data available for the mixture. Do not allow to enter drains or water courses.



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## Recommendation

Do not allow to enter drains or water courses.  
Dispose of in accordance with official regulations.

070699	WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from MFSU of fats, lubricants, soaps, detergents, disinfectants and personal care products; wastes not otherwise specified.
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070699	WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from MFSU of fats, lubricants, soaps, detergents, disinfectants and personal care products; wastes not otherwise specified.
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070699	WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from MFSU of fats, lubricants, soaps, detergents, disinfectants and personal care products; wastes not otherwise specified.
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Completely emptied packaging can be recycled.  
Dispose of in compliance with official regulations.

<b>14.1 UN-number</b>	No dangerous good in sense of these transport regulations.
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## 14.2 UN proper shipping name

### 14.3 The transport hazard class

## 14.4 Packing group

### Other relevant information about land transport

lapse

### Inland waterways transport (ADN)

<b>14.1 UN-number</b>	No dangerous good in sense of these transport regulations.
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## 14.2 UN proper shipping name

### 14.3 The transport hazard class

## 14.4 Packing group

### Other relevant information about Inland waterways transport

lapse

## Marine transport (IMDG)

<b>14.1 UN-number</b>	No dangerous good in sense of these transport regulations.
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### 14.2 UN proper shipping name

### 14.3 The transport hazard class

### 14.4 Packing group

### Other relevant information about marine transport

lapse

### Air transport (ICAO)

#### 14.1 UN-number

No dangerous good in sense of these transport regulations.

#### 14.2 UN proper shipping name

#### 14.3 The transport hazard class

#### 14.4 Packing group

### Other relevant information about air transport

lapse

### 14.5 Environmental hazards

no

### 14.6 Special precautions for user

endangering the environment: no

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: Regulatory information

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

#### EU-regulations

Restrictions of use (REACH, Annex XVII):

Entry 3: 2-butoxy-ethanol (cf. butyl glycol)

#### Information on IE Directive 2010/75/EU (VOC):

8,37 %

#### Information on VOC Directive 2004/42/EC:

8,37 %

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## National regulations

Water hazard class: 1 – water contaminating

Status: Mixture rule according to VwVwS Annex 4, No. 3

## Additional notes

The national legal regulations must also be observed!

## SECTION 16: Other information

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road )  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection.

### Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

## Further information

The above information describes exclusively the safety requirements of the product and is based on our present -day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.