

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## ARCOMAT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 1 of 11

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

#### 1.1. Product identifier

ARCOMAT

UFI: VW6C-4VR2-AQHR-HEGN

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

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

Company name: ARCORA International GmbH  
Street: Marsstraße 9  
Place: D-85609 Aschheim  
Telephone: +49 (0)89 / 14 33 29 3-0      Telefax: +49 (0)89 / 14 33 29 3-29  
e-mail: info@arcora.de

**1.4. Emergency telephone number:** Giftnotruf der Charité - Universitätsmedizin Berlin -24H- Tel.: 030 30686700

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

Benzolsulfonsäure, C10-13-Alkylderivate, Natriumsalze  
sodium hydroxide; caustic soda

**Signal word:** Warning

**Pictograms:**



##### Hazard statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.

##### Precautionary statements

P264 Wash mit Wasser thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P302+P352 IF ON SKIN: Wash with plenty of Wasser.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

# ARCOMAT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 2 of 11

P310

Immediately call a POISON CENTER/doctor.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	GHS Classification	
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)	5 - < 10 %
	203-905-0	01-2119475108-36
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H312 H302 H315 H319	
68411-30-3	Benzolsulfonsäure, C10-13-Alkylderivate, Natriumsalze	1 - < 5 %
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H302 H315 H318 H412	
1310-73-2	sodium hydroxide; caustic soda	1 - < 5 %
	215-185-5	
	Met. Corr. 1, Skin Corr. 1A; H290 H314	

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

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
111-76-2	203-905-0	2-Butoxy-ethanol (vgl. Butylglykol)	5 - < 10 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 1200 mg/kg; oral: LD50 = 1480 mg/kg	
68411-30-3		Benzolsulfonsäure, C10-13-Alkylderivate, Natriumsalze	1 - < 5 %
		inhalation: Data lacking (gases); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 1080 mg/kg	
1310-73-2	215-185-5	sodium hydroxide; caustic soda	1 - < 5 %
		inhalation: Data lacking (gases); dermal: Data lacking; oral: Data lacking Skin Corr. 1A; H314: >= 5 - 100 Skin Corr. 1B; H314: >= 2 - < 5 Skin Irrit. 2; H315: >= 0,5 - < 2 Eye Irrit. 2; H319: >= 0,5 - < 2	

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

< 5 % anionic surfactants, < 5 % non-ionic surfactants.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

Provide fresh air.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

#### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

# ARCOMAT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 3 of 11

### After ingestion

Rinse mouth immediately and drink 1 glass of water.

### **4.2. Most important symptoms and effects, both acute and delayed**

No information available.

### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## SECTION 5: Firefighting measures

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

### **5.2. Special hazards arising from the substance or mixture**

Non-flammable.

### **5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

#### **Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **General advice**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

#### **Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

No special measures are necessary.

#### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

#### **Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## ARCOMAT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 4 of 11

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed.

#### Hints on joint storage

No special measures are necessary.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
111-76-2	2-Butoxyethanol	20	98		TWA (8 h)	
		50	246		STEL (15 min)	

#### DNEL/DMEL values

CAS No	Name of agent			
DNEL type	Exposure route	Effect	Value	
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)			
Consumer DNEL, long-term	oral	systemic	6,3 mg/kg bw/day	
Consumer DNEL, acute	oral	systemic	26,7 mg/kg bw/day	
Consumer DNEL, acute	dermal	systemic	89 mg/kg bw/day	
Worker DNEL, acute	dermal	systemic	89 mg/kg bw/day	
Consumer DNEL, long-term	dermal	systemic	75 mg/kg bw/day	
Worker DNEL, long-term	dermal	systemic	125 mg/kg bw/day	
Consumer DNEL, acute	inhalation	systemic	426 mg/m <sup>3</sup>	
Worker DNEL, acute	inhalation	systemic	1091 mg/m <sup>3</sup>	
Consumer DNEL, long-term	inhalation	systemic	59 mg/m <sup>3</sup>	
Worker DNEL, long-term	inhalation	systemic	98 mg/m <sup>3</sup>	
Worker DNEL, acute	inhalation	local	246 mg/m <sup>3</sup>	
Consumer DNEL, long-term	inhalation	local	147 mg/m <sup>3</sup>	
1310-73-2	sodium hydroxide; caustic soda			
Worker DNEL, long-term	inhalation	local	1 mg/m <sup>3</sup>	
Consumer DNEL, long-term	inhalation	local	1 mg/m <sup>3</sup>	

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

# ARCOMAT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 5 of 11

### PNEC values

CAS No	Name of agent	
Environmental compartment		Value
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)	
Freshwater		8,8 mg/l
Freshwater (intermittent releases)		9,1 mg/l
Marine water		0,88 mg/l
Freshwater sediment		34,6 mg/kg
Marine sediment		3,46 mg/kg
Micro-organisms in sewage treatment plants (STP)		463 mg/l
Soil		2,33 mg/kg

### 8.2. Exposure controls



#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Suitable eye protection: goggles.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Skin protection

Use of protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	blue
Odour:	characteristic

#### Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flash point:	not determined

#### Flammability

Solid/liquid:	not applicable
Gas:	not applicable

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

# ARCOMAT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 6 of 11

### Explosive properties

The product is not: Explosive.

Lower explosion limits:

not determined

Upper explosion limits:

not determined

### Self-ignition temperature

Solid:

not applicable

Gas:

not applicable

Decomposition temperature:

not determined

### Oxidizing properties

The product is not: oxidising.

pH-Value (at 20 °C):

11

Water solubility:

easily soluble

### Solubility in other solvents

not determined

Partition coefficient n-octanol/water:

not determined

Vapour pressure:

not determined

Density (at 20 °C):

1,03 g/cm<sup>3</sup>

Relative vapour density:

not determined

## 9.2. Other information

### Other safety characteristics

Solid content:

not determined

Evaporation rate:

not determined

### Further Information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

### 10.4. Conditions to avoid

none

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

# ARCOMAT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 7 of 11

### Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)				
	oral	LD50 1480 mg/kg	Rat		
	dermal	LD50 1200 mg/kg	Kaninchen		
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			
68411-30-3	Benzolsulfonsäure, C10-13-Alkylderivate, Natriumsalze				
	oral	LD50 1080 mg/kg	Ratte		
	dermal	LD50 > 2000 mg/kg	Ratte		
	inhalation	Data lacking			
1310-73-2	sodium hydroxide; caustic soda				
	oral	Data lacking			
	dermal	Data lacking			
	inhalation	Data lacking			

### Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

The product is not: Ecotoxic.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

# ARCOMAT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 8 of 11

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)					
	Acute fish toxicity	LC50 mg/l	1474	96 h	RegenbogenForelle	
	Acute crustacea toxicity	EC50 mg/l	1550	48 h	Wasserfloh	
	Fish toxicity	NOEC mg/l	>100	21 d	Zebrabärbling	
68411-30-3	Benzolsulfonsäure, C10-13-Alkylderivate, Natriumsalze					
	Acute fish toxicity	LC50 mg/l	1-10	96 h	Cyprinus carpio	
	Acute algae toxicity	ErC50 mg/l	10-100	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50 mg/l	1-10	48 h	Daphnia magna	
	Fish toxicity	NOEC mg/l	> 0,1-1	28 d	Lepomis macrochirus	
1310-73-2	sodium hydroxide; caustic soda					
	Acute crustacea toxicity	EC50 mg/l	40,4	48 h	Ceriodaphnia dubia	

### 12.2. Persistence and degradability

The product has not been tested.

### 12.3. Bioaccumulative potential

The product has not been tested.

### Partition coefficient n-octanol/water

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

### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

The product has not been tested.

### 12.7. Other adverse effects

No information available.

### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

#### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

# ARCOMAT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 9 of 11

## SECTION 14: Transport information

### Land transport (ADR/RID)

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

### Inland waterways transport (ADN)

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

### Marine transport (IMDG)

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

### Air transport (ICAO-TI/IATA-DGR)

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

### 14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

## SECTION 15: Regulatory information

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

2010/75/EU (VOC):	5,996 % (61,761 g/l)
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

#### Additional information

Regulation (EC) No. 648/2004 (Detergents regulation).

#### National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
Water hazard class (D):	2 - obviously hazardous to water

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

# ARCOMAT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 10 of 11

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 1.

### Abbreviations and acronyms

CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
IMDG: International Maritime Code for Dangerous Goods  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
VOC: Volatile Organic Compounds  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

### Classification for mixtures and used evaluation method according to regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	

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

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

# ARCOMAT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 11 of 11

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

---

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*