

## Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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

#### 1.1. Product identifier

Trade name/designation:

ALBILEX-BR-bio

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

Use of the substance/mixture:

Industrial uses

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

Supplier (manufacturer/importer/only representative/downstream user/distributor):

**ALBILEX GmbH & Co. KG**

Achtzehnmorgenweg 3

61250 Usingen

**Telephone:** +49-6081-10400

**Telefax:** +49-6081-104040

**E-mail:** info@albilex.de

**Website:** www.albilex.de

#### 1.4. Emergency telephone number

Notfallauskunft: The Emergency telephone is available during Europaen time zone office time between 8 am and 5 pm on working days., +49-6081-10400 (Only available during office hours.)

### SECTION 2: Hazards identification

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

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation ( <i>Skin Corr. 1A</i> )	H314: Causes severe skin burns and eye damage.	Calculation method.
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	Calculation method.

#### Additional information:

Additional information: Concentrated solution toxic for aquatic life due to pH-shift

#### 2.2. Label elements

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

Hazard pictograms:



**GHS05**  
Corrosion

Signal word: Danger

Hazard components for labelling:

Hydrochloric acid

#### hazard statements for health hazards

H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

#### Precautionary statements Prevention

P280.2	Wear protective gloves and eye/face protection.
--------	---

Revision date: 08-Jul-2016 Print date: 08-Jul-2016

**Precautionary statements Response**

P302 + P352.1	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.




**2.3. Other hazards****Adverse human health effects and symptoms:**

Irritating to eyes and skin.

**SECTION 3: Composition / information on ingredients****3.2. Mixtures****Description:**

Acid solution for well cleaning

**Hazardous ingredients / Hazardous impurities / Stabilisers:**

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CL P]	Concentration
CAS No.: 7647-01-0 EC No.: 231-595-7 REACH No.: 01-2119484862-27-XXXX	<b>hydrogen chloride</b> Skin Corr. 1B, STOT SE 3   <b>Danger</b> H314-H335	0 - 20 %
CAS No.: 7664-38-2 EC No.: 231-633-2 REACH No.: 01-2119485924-24-XXXX	<b>orthophosphoric acid</b> Skin Corr. 1B  <b>Danger</b> H314	0 - 10 %

Full text of H- and EUH-phrases: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information:**

Move victim out of danger zone.

**Following inhalation:**

Remove casualty to fresh air and keep warm and at rest.

**In case of skin contact:**

After contact with skin, wash immediately with plenty of water and soap.

**After eye contact:**

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

**After ingestion:**

Let water be drunken in little sips (dilution effect).

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

Irritating to eyes and skin.

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

Let water be drunken in little sips (dilution effect).

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media:**

Co-ordinate fire-fighting measures to the fire surroundings. The product itself does not burn.

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

In case of fire may be liberated: Phosphorus oxides

**5.3. Advice for firefighters**

Use appropriate respiratory protection.

**5.4. Additional information**

Higher amounts of product in fire water, it must be neutralized with sodium hydroxide.

Revision date: 08-Jul-2016 Print date: 08-Jul-2016

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

##### Personal precautions:

Remove persons to safety. Wear personal protection equipment.

#### 6.1.2. For emergency responders

No data available

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

##### For cleaning up:

Pump away bigger amounts. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Wash with plenty of water.

### 6.4. Reference to other sections

No data available

### 6.5. Additional information

No data available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

##### Advices on safe handling:

Measures to prevent aerosol and dust generation

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

#### Requirements for storage rooms and vessels:

Keep container tightly closed. Suitable material for Container: Polyethylene Polypropylen

#### Hints on storage assembly:

Do not store together with: Base

### 7.3. Specific end use(s)

#### Recommendation:

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
IOELV (EU)	hydrogen chloride CAS No.: 7647-01-0	① 5 ppm (8 mg/m <sup>3</sup> ) ② 10 ppm (15 mg/m <sup>3</sup> ) ⑤ (Hydrogen chloride)
TRGS 900 (DE)	hydrogen chloride CAS No.: 7647-01-0	① 2 ppm (3 mg/m <sup>3</sup> ) ② 4 ppm (6 mg/m <sup>3</sup> ) ⑤ Chlorwasserstoff
TRGS 900 (DE)	orthophosphoric acid CAS No.: 7664-38-2	① 2 mg/m <sup>3</sup> ② 4 mg/m <sup>3</sup> ⑤ (einatembare Fraktion)
IOELV (EU)	orthophosphoric acid CAS No.: 7664-38-2	① 1 mg/m <sup>3</sup> ② 2 mg/m <sup>3</sup>

Revision date: 08-Jul-2016 Print date: 08-Jul-2016

**8.1.2. biological limit values**

No data available

**8.1.3. DNEL-/PNEC-values**

No data available

**8.2. Exposure controls****8.2.1. Appropriate engineering controls**

No data available

**8.2.2. Personal protection equipment****Eye/face protection:**

Tightly sealed safety glasses. oder Face protection shield

**Skin protection:**

Suitable material: NBR (Nitrile rubber) Butyl caoutchouc (butyl rubber)

Thickness of the glove material: 0,4 mm; 0,7 mm

Breakthrough time (maximum wearing time): &gt; 8h

**Respiratory protection:**

Suitable respiratory protection apparatus: B2

**Other protection measures:**

Protective clothing: Chemical resistant safety shoes Chemical protection clothing acid-resistant

General health and safety measures: When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

**8.2.3. Environmental exposure controls**

No data available

**8.3. Additional information**

No data available

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance****Physical state:** liquid**Colour:** colourless**Odour:** acidic**Safety relevant basis data**

parameter		at °C	method	Remark
pH	0.9 - 1.1	20 °C		Gehalt an gelöster Substanz: 20 g / L
Melting point/freezing point	-16 - -14 °C			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	100 °C			pressure: 1013 mbar
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1.1 - 1.2 g/cm <sup>3</sup>	20 °C		
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/ water	<i>not determined</i>			
Dynamic viscosity	10.9 - 11.1 s	20 °C	DIN 53211	
Kinematic viscosity	<i>not determined</i>			

**9.2. Other information**

No data available

Revision date: 08-Jul-2016 Print date: 08-Jul-2016

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Materials to avoid Alkali (lye); Hypochlorit; The product develops hydrogen in an aqueous solution in contact with metals.

**10.2. Chemical stability**

No data available

**10.3. Possibility of hazardous reactions**

In case of fire may be liberated: Phosphorus oxides

**10.4. Conditions to avoid**

No data available

**10.5. Incompatible materials**

Alkali (lye); Hypochlorit; The product develops hydrogen in an aqueous solution in contact with metals.

**10.6. Hazardous decomposition products**

< 100 °C-No self decomposition on normal use

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

CAS No.	Substance name	Toxicological information
7647-01-0	hydrogen chloride	<b>LD<sub>50</sub> oral:</b> 900 mg/kg (Kaninchen) <b>LC<sub>50</sub> inhalative:</b> 3,124 ppmV 1 h (Ratte)
7664-38-2	orthophosphoric acid	<b>LD<sub>50</sub> oral:</b> 1,500 mg/kg (Ratte) <b>LD<sub>50</sub> dermal:</b> 2,740 mg/kg (Kaninchen) <b>LC<sub>50</sub> inhalative:</b> 0.85 mg/l 1 h (Ratte)

**Skin corrosion/irritation:**

Causes skin irritation.

Causes serious eye irritation.

**Respiratory or skin sensitisation:**

negative.

**SECTION 12: Ecological information****12.1. Toxicity****Aquatic toxicity:**

Concentrated solution toxic for aquatic life due to pH-shift

**Effects in sewage plants:**

After neutralization all organic components are readily biodegradable.

**12.2. Persistence and degradability****Additional information:**

Further ecological information: After neutralization all organic components are readily biodegradable.

**12.3. Bioaccumulative potential****Accumulation / Evaluation:**

Additional information: No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

CAS No.	Substance name	Results of PBT and vPvB assessment
7647-01-0	hydrogen chloride	—
7664-38-2	orthophosphoric acid	—

No data available

**12.6. Other adverse effects**

Chemical oxygen demand (COD): 13 mg/g Verdünnung 1 : 1000

Revision date: 08-Jul-2016 Print date: 08-Jul-2016

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Only give to sewage system after neutralization.

### Waste treatment options





#### Appropriate disposal / Package:

Wash with water and give to pastic recycling.

### 13.2. Additional information

No data available

## SECTION 14: Transport information

Land transport (ADR/ RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO- TI / IATA-DGR)
<b>14.1. UN-No.</b>			
1789	1789	1789	1789
<b>14.2. UN proper shipping name</b>			
HYDROCHLORIC ACID	HYDROCHLORIC ACID	HYDROCHLORIC ACID	HYDROCHLORIC ACID
<b>14.3. Transport hazard class(es)</b>			
 8	 8	 8	 8
<b>14.4. Packing group</b>			
III		III	III
<b>14.5. Environmental hazards</b>			
-	-	No	-
<b>14.6. Special precautions for user</b>			
<b>Hazard identification number (Kemler No.):</b> 80 <b>Classification code:</b> - <b>Remark:</b> Classification code: C1	<b>Classification code:</b> -	<b>Remark:</b> EmS-No.: F-A, S-B	

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

#### Additional information:

Keep away from food, drink and animal feedingstuffs.

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

No data available

#### 15.1.2. National regulations

##### [DE] National regulations

#### Water hazard class (WGK)

##### WGK:

1 - schwach wassergefährdend

#### Other regulations, restrictions and prohibition regulations

Merkblatt BG Chemie M 004, M 051

Revision date: 08-Jul-2016 Print date: 08-Jul-2016

**15.2. Chemical Safety Assessment**

No data available

**15.3. Additional information**

No data available

**SECTION 16: Other information****16.1. Indication of changes**

No data available

**16.2. Abbreviations and acronyms**

No data available

**16.3. Key literature references and sources for data**

No data available

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation ( <i>Skin Corr. 1A</i> )	H314: Causes severe skin burns and eye damage.	Calculation method.
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	Calculation method.

**16.5. Relevant R-, H- and EUH-phrases (Number and full text)**

Hazard statements	
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.

**16.6. Training advice**

No data available

**16.7. Additional information**

The data presented here correspond to the present state of our knowledge and experience and are intended to describe our product with respect to possible safety demands. We imply with this however no guarantee of properties or description of qualities.