

## 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-Neutralizer

#### 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
Corrosive to metals ( <i>Met. Corr. 1</i> )	H290: May be corrosive to metals.	Harmonised (legal) classification.
Skin corrosion/irritation ( <i>Skin Corr. 1A</i> )	H314: Causes severe skin burns and eye damage.	Harmonised (legal) classification.

#### Additional information:

Additional information: Causes severe burns.

#### 2.2. Label elements

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

Hazard pictograms:



**GHS05**

Corrosion

Signal word: Danger

hazard statements for physical hazards	
H290	May be corrosive to metals.
hazard statements for health hazards	
H314	Causes severe skin burns and eye damage.
Precautionary statements Prevention	
P280	Wear protective gloves/protective clothing/eye protection/face protection.

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**Precautionary statements Response**

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.
P308 + P311	IF exposed or concerned: Call a POISON CENTER/doctor/....


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

Causes severe burns.

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

Aqueous solution of sodium hydroxide

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

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
<b>CAS No.:</b> 1310-73-2 <b>EC No.:</b> 215-185-5 <b>REACH No.:</b> 01-2119457892-27-XXXX	<b>sodium hydroxide</b> Skin Corr. 1A  <b>Danger</b> H314	32 - 34 %

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). Seek medical advice.

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

Causes severe burns.

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

Causes severe burns.

**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**

Corrosive vapours may occur because of surrounding fire. Fire water may be corrosive on alumina.

**5.3. Advice for firefighters**

Use appropriate respiratory protection.

**5.4. Additional information**

No data available

## 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

Only give to sewage system after neutralization.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Protective measures****Advices on safe handling:**

Wear personal protection equipment.

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

**Requirements for storage rooms and vessels:**

Do not keep the container sealed. Behälter aus Polyethylen oder Polypropylen verwenden. Nicht in Leichtmetallbehälter umfüllen.

**Hints on storage assembly:**

Materials to avoid Acid

### 7.3. Specific end use(s)

**Recommendation:**

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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.

**Skin protection:**

Suitable material: NR (natural rubber, natural latex) NBR (Nitrile rubber)

Thickness of the glove material: 0,5 mm; 0,4 mm

Breakthrough time (maximum wearing time): > 8h

**Respiratory protection:**

Suitable respiratory protection apparatus: B2

**Other protection measures:**

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

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

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**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:** odourless**Safety relevant basis data**

parameter		at °C	Method	Remark
pH	14	20 °C		
Melting point	<i>not determined</i>			
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	1.32 - 1.4 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	14.8 - 15.2 s	20 °C	DIN 53211	
Kinematic viscosity	<i>not determined</i>			

**9.2. Other information**

No data available

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

Materials to avoid AcidLight metals

**10.2. Chemical stability**

No data available

**10.3. Possibility of hazardous reactions**

No data available

**10.4. Conditions to avoid**

No data available

**10.5. Incompatible materials**

AcidLight metals

**10.6. Hazardous decomposition products**

Corrosive vapours may occur because of surrounding fire. Fire water may be corrosive on alumina.

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

CAS No.	Substance name	Toxicological information
1310-73-2	sodium hydroxide	<b>LD<sub>50</sub> oral:</b> 500 mg/kg (Kaninchen)

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**Skin corrosion/irritation:**

Haut: 50 mg / 24 h stärkerer Reizeffekt  
 Auge: 1 mg / 24 h stärkerer Reizeffekt

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

CAS No.	Substance name	Toxicological information
1310-73-2	sodium hydroxide	LC <sub>50</sub> : 196 mg/l 4 d EC <sub>50</sub> : 40.4 mg/l 2 d

**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: Only give to sewage system after neutralization.

**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
1310-73-2	sodium hydroxide	—

No data available

**12.6. Other adverse effects**

Further ecological information: No data available

**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>			
1824	1824	1824	1824
<b>14.2. UN proper shipping name</b>			
SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION
<b>14.3. Transport hazard class(es)</b>			
 8	 8	 8	 8

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.4. Packing group</b>			
II	II	II	II
<b>14.5. Environmental hazards</b>			
No data available			
<b>14.6. Special precautions for user</b>			
<b>Special provisions: Limited quantity (LQ):</b> <b>Hazard identification number (Kemler No.):</b> 80 <b>Classification code:</b> - <b>Remark:</b> Classification code: C5	<b>Special provisions: Limited quantity (LQ):</b> <b>Classification code:</b> - <b>Remark:</b>	<b>Special provisions: Limited quantity (LQ):</b> <b>EmS-No.:</b> <b>Remark:</b> EmS-No.: 8-06 MFAG: 705	<b>Special provisions: Limited quantity (LQ):</b> <b>Remark:</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

**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

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

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

Hazard statements	
H314	Causes severe skin burns and eye damage.

#### 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.