

## 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-UV**

#### 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 Irrit. 2</i> )        | H315: Causes skin irritation.        | Harmonised (legal) classification. |
| Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> ) | H319: Causes serious eye irritation. | Harmonised (legal) classification. |

#### Additional information:

Additional information: Irritating to eyes and skin. Do not allow to enter into surface water or drains.

#### 2.2. Label elements

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

Hazard pictograms:



**GHS07**

Exclamation mark.

**Signal word:** Warning

**Hazard components for labelling:**

Phosphoric acid

| hazard statements for health hazards |                                |
|--------------------------------------|--------------------------------|
| H315                                 | Causes skin irritation.        |
| H319                                 | Causes serious eye irritation. |

| Precautionary statements Prevention |  |
|-------------------------------------|--|
| P280                                | Wear protective gloves/protective clothing/eye protection/face protection. |

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**Precautionary statements Response**

|               |  |
|---------------|--|
| P302 + P352.1 | IF ON SKIN: Wash with plenty of soap and water.          |
| P332 + P313   | If skin irritation occurs: Get medical advice/attention. |
| P362          | Take off contaminated clothing.                          |


**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 cleaner for drinking water supplies

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

| product identifiers   | Substance name<br>Classification according to Regulation (EC) No 1272/2008 [CL<br>P]   | Concentration |
|---|--|---------------|
| <b>CAS No.:</b> 7664-38-2<br><b>EC No.:</b> 231-633-2<br><b>REACH No.:</b><br>01-2119485924-24-XXXX | <b>orthophosphoric acid</b><br>Skin Corr. 1B<br> <b>Danger</b> H314 | 5 - 20<br>%   |

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.

IF ON CLOTHING: Change contaminated, saturated clothing.

**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**

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

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

Product is non inflammable

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

Corrosive vapours of acid.

**5.3. Advice for firefighters**

Use appropriate respiratory protection.

**5.4. Additional information**

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

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## 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. Do not breathe aerosol.

#### 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:

Wear personal protection equipment.

### 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:

Materials to avoid Base

#### Further information on storage conditions:

Store in a well-ventilated place.

### 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<br>② short-term occupational exposure limit value<br>③ Instantaneous value<br>④ Monitoring and observation processes<br>⑤ Remark |
|--------------------------------------|--|--|
| TRGS 900 (DE)                        | orthophosphoric acid<br>CAS No.: 7664-38-2 | ① 2 mg/m <sup>3</sup><br>② 4 mg/m <sup>3</sup><br>⑤ (einatembare Fraktion)   |
| IOELV (EU)                           | orthophosphoric acid<br>CAS No.: 7664-38-2 | ① 1 mg/m <sup>3</sup><br>② 2 mg/m <sup>3</sup>   |

#### 8.1.2. biological limit values

No data available

#### 8.1.3. DNEL-/PNEC-values

No data available

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**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) Butyl caoutchouc (butyl rubber)

Thickness of the glove material: 0,65 mm; 0,4 mm; 0,7 mm

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

**Other protection measures:**

Protective clothing: Chemical protection clothing

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   | 1                         | 20 °C |        |                     |
| Melting point/freezing 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 - 1.1 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                            | 13 mPa*s                  | 20 °C |        | Art: 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 Alkali (lye) Metal, base Hypochlorit

**10.2. Chemical stability**

No data available

**10.3. Possibility of hazardous reactions**

In case of fire may be liberated: Corrosive vapours of acid.

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**10.4. Conditions to avoid**

No data available

**10.5. Incompatible materials**

Alkali (lye) Metal, base Hypochlorit

**10.6. Hazardous decomposition products**

No data available

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

| CAS No.   | Substance name       | Toxicological information  |
|-----------|----------------------|--|
| 7664-38-2 | orthophosphoric acid | <b>LD<sub>50</sub> oral:</b> 1,500 mg/kg (Ratte)<br><b>LD<sub>50</sub> dermal:</b> 2,740 mg/kg (Kaninchen)<br><b>LC<sub>50</sub> inhalative:</b> 0.85 mg/l 1 h (Ratte) |

**Skin corrosion/irritation:**

Causes severe skin burns and eye damage.

**Additional information:**

Other information: All figures relate to Phosphoric acid 75 %

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

Concentrated solution toxic for aquatic life due to pH-shift

**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 |
|-----------|----------------------|------------------------------------|
| 7664-38-2 | orthophosphoric acid | —                                  |

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>      |                             |                      |                                    |
| 1805                     | 1805                        | 1805                 | 1805                               |

ALBILEX-UV


**ALBILEX**  
 INNOVATIVE REINIGUNGSCHEMIE

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| Land transport (ADR/RID)   | Inland waterway craft (ADN)  | Sea transport (IMDG)  | Air transport (ICAO-TI / IATA-DGR)   |
|--|--|---|--|
| <b>14.2. UN proper shipping name</b>   |  |   |  |
| Phosphoric Acid  | PHOSPHORIC ACID SOLUTION   | Phosphoric Acid   | Phosphoric Acid  |
| <b>14.3. Transport hazard class(es)</b>  |  |   |  |
| <br>8   | <br>8                         | <br>8                                      | <br>8 |
| <b>14.4. Packing group</b>   |  |   |  |
| III  |  | III   | III  |
| <b>14.5. Environmental hazards</b>   |  |   |  |
| No data available  |  |   |  |
| <b>14.6. Special precautions for user</b>  |  |   |  |
| <b>Special provisions:</b><br><b>Limited quantity (LQ):</b><br><b>Hazard identification number (Kemler No.):</b> 80<br><b>Classification code:</b> -<br><b>Remark:</b> Classification code: C1 | <b>Special provisions:</b><br><b>Limited quantity (LQ):</b><br><b>Classification code:</b> -<br><b>Remark:</b> | <b>Special provisions:</b><br><b>Limited quantity (LQ):</b><br><b>EmS-No.:</b><br><b>Remark:</b> EmS-No.: 8-08<br>MFAG: 700 | <b>Special provisions:</b><br><b>Limited quantity (LQ):</b><br><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

**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

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### 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 Irrit. 2</i> )        | H315: Causes skin irritation.        | Harmonised (legal) classification. |
| Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> ) | H319: Causes serious eye irritation. | Harmonised (legal) classification. |

### 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.