

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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## ALBILEX SUPER-19

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

#### 1.1. Product identifier

Trade name/designation:

ALBILEX SUPER-19

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

Use of the substance/mixture:

chemical reagent

#### 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

+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
Acute toxicity (oral) ( <i>Acute Tox. 4</i> )	H302: Harmful if swallowed.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	

#### 2.2. Label elements

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

Hazard pictograms:



**GHS05**  
Corrosion



**GHS07**  
Exclamation mark

Signal word: Danger

Hazard components for labelling:

hydrogen peroxide

hazard statements for health hazards	
H302	Harmful if swallowed.
H318	Causes serious eye damage.

Supplemental Hazard information (EU): -

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

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### Precautionary statements Response

P301 + P312	IF SWALLOWED: Call a POISON CENTER/doctor/.../ if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330	Rinse mouth.

### Precautionary statements Disposal

P501	Dispose of contents/container to ....
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### 2.3. Other hazards

No data available

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 7722-84-1 EC No.: 231-765-0 REACH No.: 01-2119485845-22-XXXX	hydrogen peroxide Acute Tox. 4, Ox. Liq. 1, Skin Corr. 1A <b>Danger</b> H271-H302-H314-H332	10 - < 20 Wt %

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

#### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact:

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

#### 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:

Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

#### Self-protection of the first aider:

Use personal protection equipment. No direct artificial respiration to be given by first aider.

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

Serious eye damage/eye irritation

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:**

Product is non inflammable Carbon dioxide (CO<sub>2</sub>), Water spray jet, alcohol resistant foam

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

The product itself does not burn.

**Hazardous combustion products:**

In case of fire: Gases/vapours, toxic, Oxygen

Due to gaseous decomposition products, overpressure can occur in tightly sealed containers.

#### 5.3. Advice for firefighters

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

#### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/ mists with water spray jet.

### 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 vapour/aerosol. Provide adequate ventilation.

**Protective equipment:**

Wear protective gloves/protective clothing/eye protection/face protection.

##### 6.1.2. For emergency responders

**Personal protection equipment:**

Personal protection equipment: see section 8

#### 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 containment:**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

**For cleaning up:**

Cover drains. Pump away bigger amounts. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Wash with plenty of water. Spilled product must never be returned to the original container for recycling. Provide adequate ventilation.

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

#### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Protective measures

##### Advices on safe handling:

Wear personal protection equipment (refer to section 8). Notice the directions for use on the label.

Avoid: generation/formation of aerosols, Put lids on containers immediately after use. When using do not eat, drink or smoke. Wash hands and face before breaks and after work and take a shower if necessary.

Immediately remove any contaminated clothing, shoes or stockings.

##### Fire prevent measures:

Danger of bursting container. Due to gaseous decomposition products, overpressure can occur in tightly sealed containers.

##### Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

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

##### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

##### Requirements for storage rooms and vessels:

Keep away from heat. Protect against direct sunlight. Store dark. Do not keep the container sealed.

Suitable material for Container: Polyethylene, Polypropylen

**Storage class:** 5.1B - Oxidising substances

##### Further information on storage conditions:

Store dark. Protect against direct sunlight. Keep away from heat. Keep in a cool, well-ventilated place.

#### 7.3. Specific end use(s)

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
DFG (DE)	hydrogen peroxide CAS No.: 7722-84-1	① 0.5 ppm (0.71 mg/m <sup>3</sup> ) ② 0.5 ppm (0.71 mg/m <sup>3</sup> )

##### 8.1.2. Biological limit values

No data available

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

Substance name	DNEL value	① DNEL type ② Exposure route
hydrogen peroxide CAS No.: 7722-84-1	3 mg/m <sup>3</sup>	① DNEL worker ② DNEL acute inhalative (local)
hydrogen peroxide CAS No.: 7722-84-1	1.93 mg/m <sup>3</sup>	① DNEL Consumer ② DNEL acute inhalative (local)
hydrogen peroxide CAS No.: 7722-84-1	1.4 mg/m <sup>3</sup>	① DNEL worker ② DNEL long-term inhalative (local)
hydrogen peroxide CAS No.: 7722-84-1	0.21 mg/m <sup>3</sup>	① DNEL Consumer ② DNEL long-term inhalative (local)

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Substance name	PNEC Value	① PNEC type
hydrogen peroxide CAS No.: 7722-84-1	0.0126 mg/l	① PNEC aquatic, freshwater
hydrogen peroxide CAS No.: 7722-84-1	0.0126 mg/l	① PNEC aquatic, marine water
hydrogen peroxide CAS No.: 7722-84-1	0.0138 mg/l	① PNEC aquatic, intermittent release
hydrogen peroxide CAS No.: 7722-84-1	0.47 mg/kg	① PNEC sediment, freshwater
hydrogen peroxide CAS No.: 7722-84-1	0.47 mg/kg	① PNEC sediment, marine water
hydrogen peroxide CAS No.: 7722-84-1	0.0023 mg/ kg	① PNEC soil, freshwater
hydrogen peroxide CAS No.: 7722-84-1	4.66 mg/l	① PNEC sewage treatment plant (STP)

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No data available

#### 8.2.2. Personal protection equipment

##### Eye/face protection:

Eye glasses with side protection DIN EN 166

##### Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: 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): > 8h

In the case of wanting to use the gloves again, clean them before taking off and air them well.

Breakthrough times and swelling properties of the material must be taken into consideration.

##### Respiratory protection:

Respiratory protection necessary at: vapour / Aerosol

Suitable respiratory protection apparatus: NO-P3

##### 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. Keep away from food, drink and animal feedingstuffs. Take off immediately all contaminated clothing. Do not breathe gas/vapour/aerosol. Avoid contact with skin. Avoid contact with eyes. 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.

#### 8.2.3. Environmental exposure controls

Avoid release to the environment. Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state:** Liquid

**Colour:** colourless

**Odour:** not determined

#### Safety relevant basis data

parameter		at °C	Method	Remark
pH	2 - 4	20 °C		
Melting point	-26 °C			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	100 °C			
Decomposition temperature	<i>not determined</i>			

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parameter		at °C	Method	Remark
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	23 hPa	20 °C		
Vapour density	<i>not determined</i>			
Density	1 - 1.3 g/cm <sup>3</sup>	20 °C		
Bulk density	<i>not determined</i>			
Water solubility	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product itself does not burn. Oxidizing agent/oxidizing

### 10.2. Chemical stability

Store dark. Keep away from heat. Heating. No decomposition on normal use

### 10.3. Possibility of hazardous reactions

Exothermic, self accelerating decomposition reaction develops oxygen gas. Containers may burst due to rising gas pressure

Violent reaction with: Oxidizing agent

### 10.4. Conditions to avoid

Heating. Store dark.

### 10.5. Incompatible materials

Heavy metals, Alkali (lye)

### 10.6. Hazardous decomposition products

In case of fire: Gases/vapours, toxic

Danger of bursting container. No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
7722-84-1	hydrogen peroxide	<b>LD<sub>50</sub> oral:</b> 376 mg/kg (Ratte) <b>LD<sub>50</sub> dermal:</b> 3,000 mg/kg (Ratte) <b>LC<sub>50</sub> Acute inhalation toxicity (gas):</b> 2 mg/l 4 h (Ratte)

#### Acute oral toxicity:

Harmful if swallowed.

#### Acute dermal toxicity:

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

#### Acute inhalation toxicity:

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

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### Skin corrosion/irritation:

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

### Serious eye damage/irritation:

Causes serious eye damage.

### Respiratory or skin sensitisation:

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

### Germ cell mutagenicity:

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

### Carcinogenicity:

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

### Reproductive toxicity:

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

### STOT-single exposure:

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

### STOT-repeated exposure:

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

### Aspiration hazard:

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

### Additional information:

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No.	Substance name	Toxicological information
7722-84-1	hydrogen peroxide	LC <sub>50</sub> : 22 mg/l 4 d EC <sub>50</sub> : 2.3 mg/l 2 d EC <sub>50</sub> : 0.71 mg/l 3 d EC <sub>50</sub> : 5.38 mg/l 4 d NOEC: 0.63 mg/l 21 d NOEC: 0.63 mg/l 21 d

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

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
7722-84-1	hydrogen peroxide	—

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dilute with plenty of water. Do not dispose of as domestic waste. Small amounts (several grams) can be given to the sewage system after dilution 1:100 with water. Bigger amounts must be treated as special waste. Do not empty into drains.

### Waste treatment options

#### Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

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## ALBILEX SUPER-19

### 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>			
UN 2984	UN 2984	UN 2984	UN 2984
<b>14.2. UN proper shipping name</b>			
Hydrogen peroxide, aqueous solution	Hydrogen peroxide, aqueous solution	Hydrogen peroxide, aqueous solution	Hydrogen peroxide, aqueous solution
<b>14.3. Transport hazard class(es)</b>			
 5.1	 5.1	 5.1	 5.1
<b>14.4. Packing group</b>			
III	III	III	III
<b>14.5. Environmental hazards</b>			
No	No	No	No
<b>14.6. Special precautions for user</b>			
<b>Special provisions:</b> 65 <b>Limited quantity (LQ):</b> 5 L <b>Excepted Quantities:</b> E1 <b>Hazard identification number (Kemler No.):</b> 50 <b>Classification code:</b> O1 <b>tunnel restriction code:</b> (E) <b>Remark:</b>	<b>Special provisions:</b> 65 <b>Limited quantity (LQ):</b> 5 L <b>Excepted Quantities:</b> E1 <b>Classification code:</b> O1 <b>Remark:</b>	<b>Special provisions:</b> 65 <b>Limited quantity (LQ):</b> 5 L <b>Excepted Quantities:</b> E1 <b>EmS-No.:</b> F-H, S-Q <b>Remark:</b>	<b>Excepted Quantities:</b> E1 <b>Remark:</b>

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
No data available

### 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



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### 15.1.2. National regulations

#### [DE] National regulations

#### Restrictions of occupation

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

#### Water hazard class (WGK)

##### WGK:

1 - schwach wassergefährdend

### 15.2. Chemical Safety Assessment

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

### 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
Acute toxicity (oral) ( <i>Acute Tox. 4</i> )	H302: Harmful if swallowed.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	

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

Hazard statements	
H271	May cause fire or explosion; strong oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.

### 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.