

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-Chlordioxid Komponente B

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

Supplemental Hazard information (EU)	
EUH032	Contact with acids liberates very toxic gas.

Precautionary statements Prevention	
P280.4	Wear protective gloves/protective clothing and eye/face protection.

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Precautionary statements Response

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313	Get medical advice/attention.

2.3. Other hazards

Adverse physicochemical effects:

Contact with acids liberates toxic gas.

Adverse human health effects and symptoms:

Harmful if swallowed. Risk of serious damage to eyes.


SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description:

P:A-Chlordioxid B

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Concentration
CAS No.: 7758-19-2 EC No.: 231-836-6 REACH No.: 01-2119529240-51-XXXX	sodium chlorite Skin Corr. 1B, Ox. Sol. 2, Acute Tox. 2, Acute Tox. 3, Aquatic Acute 1  Danger EUH032	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. Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure.

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). Do NOT induce vomiting.

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

Harmful if swallowed. Risk of serious damage to eyes.

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

After inhalation of chlorine dioxide risk of lung edema. After contact with skin or if swallowed treat like acid injury Do NOT induce vomiting.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water Foam

Unsuitable extinguishing media:

Extinguishing powder Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

In dry state: Oxidizing ; In case of fire may be liberated: chlorine dioxide

5.3. Advice for firefighters

Use appropriate respiratory protection.

5.4. Additional information

No data available

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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.

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

Do not empty into drains.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Measures to prevent aerosol and dust generation Do not allow to dry.

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
TRGS 900 (DE)	chlorine dioxide CAS No.: 10049-04-4	① 0.1 ppm (0.28 mg/m ³) ② 0.1 ppm (0.28 mg/m ³)

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

If handled uncovered, arrangements with local exhaust ventilation have to be used.

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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): > 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: light yellow

Odour: Chlorine

Safety relevant basis data

parameter		at °C	Method	remark
pH	12 - 13	20 °C		
Melting point/freezing point	-10 °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 g/cm ³	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	<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

Materials to avoid Oxidising agent, strong Acid

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

Keep away from heat. an oxidizing substance crystallizes when drying up

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10.4. Conditions to avoid

Heat Do not allow to dry.

10.5. Incompatible materials

Oxidising agent, strong Acid

10.6. Hazardous decomposition products

chlorine dioxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
7758-19-2	sodium chlorite	LC₅₀ inhalative: 0.23 g/m ³ 4 h (Ratte) LD₅₀ oral: 165 mg/kg (Ratte)

Skin corrosion/irritation:

Irritant effect on the skin: no Short-term (single)

Irritant effect on the eye: strongly irritant. Risk of serious damage to eyes.

Respiratory or skin sensitisation:

not sensitising.

Additional information:

Other information: If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
7758-19-2	sodium chlorite	LC₅₀: 75 mg/l 4 d EC₅₀: 0.01 mg/l 2 d EC₅₀: 0.904 mg/l 4 d

Aquatic toxicity:

Toxic to aquatic organisms. Aquatische Toxizität: LC50 (Brachydanio rerio) > 500 mg/l/96h

Effects in sewage plants:

After neutralization all organic components are readily biodegradable.

12.2. Persistence and degradability

Additional information:

Further ecological information: Do not allow to enter into surface water or drains. Hydrolyzes in water

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
7758-19-2	sodium chlorite	—
10049-04-4	chlorine dioxide	—

No data available

12.6. Other adverse effects

Further ecological information: No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Send to a hazardous waste incinerator facility under observation of official regulations. Do not empty into drains.

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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)
14.1. UN-No.			
1908	1908	1908	1908
14.2. UN proper shipping name			
CHLORITE SOLUTION	CHLORITE SOLUTION	CHLORITE SOLUTION	CHLORITE SOLUTION
14.3. Transport hazard class(es)			
 8	 8	 8	 8
14.4. Packing group			
III		III	III
14.5. Environmental hazards			
No data available			
14.6. Special precautions for user			
Hazard identification number (Kemler No.): 80 Classification code: - remark: Classification code: C9	Classification code: -	remark: 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:

2 - deutlich wassergefährdend

15.2. Chemical Safety Assessment

No data available

15.3. Additional information

No data available

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

Hazard statements	
H272	May intensify fire; oxidiser.
H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.

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.