

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 A

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.

2.2. Label elements

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

Hazard pictograms:



GHS05
Corrosion

Signal word: Warning

hazard statements for physical hazards

H290 May be corrosive to metals.

2.3. Other hazards

Other adverse effects:

No risks worthy of mention.

SECTION 3: Composition / information on ingredients


3.2. Mixtures

Description:

P:A-Chlordioxid A

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Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Concentration
CAS No.: 7647-01-0 EC No.: 231-595-7 REACH No.: 01-2119484862-27-XXXX	hydrogen chloride Skin Corr. 1B, STOT SE 3  Danger H314-H335	0 - 1 %

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

No known symptoms to date.

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:

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: Corrosive vapours of acid.

5.3. Advice for firefighters

Use appropriate respiratory protection.

5.4. Additional information

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

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

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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:

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
TRGS 900 (DE)	hydrogen chloride CAS No.: 7647-01-0	① 2 ppm (3 mg/m ³) ② 4 ppm (6 mg/m ³) ⑤ (Hydrogenchlorid)
IOELV (EU)	hydrogen chloride CAS No.: 7647-01-0	① 5 ppm (8 mg/m ³) ② 10 ppm (15 mg/m ³) ⑤ (Hydrogen chloride)

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): > 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

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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	0.9 - 1.1	20 °C		
Melting point/freezing point	0 °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 - 1.5 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 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: Corrosive vapours of acid.

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

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	LD₅₀ oral: 900 mg/kg (Kaninchen) LC₅₀ inhalative: 3,124 ppmV 1 h (Ratte)

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Skin corrosion/irritation:
 an der Haut: Leichte Reizwirkung
 am Auge: Leichte Reizwirkung

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	—

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)
14.1. UN-No.			
1789	1789	1789	1789
14.2. UN proper shipping name			
HYDROCHLORIC ACID	HYDROCHLORIC ACID	HYDROCHLORIC ACID	HYDROCHLORIC ACID
14.3. Transport hazard class(es)			
 8	 8	 8	 8
14.4. Packing group			
III		III	III
14.5. Environmental hazards			
-	-	No	-

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Land transport (ADR/ RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO- TI / IATA-DGR)
14.6. Special precautions for user			
Hazard identification number (Kemler No.): 80 Classification code: - remark: Classification code: C1	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:

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

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
Corrosive to metals (<i>Met. Corr. 1</i>)	H290: May be corrosive to metals.	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.
H335	May cause respiratory irritation.

16.6. Training advice

No data available

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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.