

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-KALK-EX

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 Corr. 1B</i>)	H314: Causes severe skin burns and eye damage.	

Additional information:

Additional information: Causes burns.

2.2. Label elements

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

Hazard pictograms:



GHS05
Corrosion

Signal word: Danger

Hazard components for labelling:

Formic acid

hazard statements for health hazards	
H314	Causes severe skin burns and eye damage.

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

Revision date: 08-Jul-2016 Print date: 08-Jul-2016

Precautionary statements Response

P302 + P352.1	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312.2	Call a doctor if you feel unwell.


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

Causes burns.

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

Chalk Remover

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 64-18-6 EC No.: 200-579-1 REACH No.: 01-2119491174-37-XXXX	formic acid Skin Corr. 1A  Danger H314	20 - 50 %

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

Causes burns.

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.

Revision date: 08-Jul-2016 Print date: 08-Jul-2016

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 ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
IOELV (EU)	formic acid CAS No.: 64-18-6	① 5 ppm (9 mg/m ³)
TRGS 900 (DE)	formic acid CAS No.: 64-18-6	① 5 ppm (9.5 mg/m ³) ② 10 ppm (19 mg/m ³)

8.1.2. biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

Revision date: 08-Jul-2016 Print date: 08-Jul-2016

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: Butyl caoutchouc (butyl rubber) CR (polychloroprene, chloroprene rubber)

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

Breakthrough time (maximum wearing time): > 8h

Respiratory protection:

Suitable respiratory protection apparatus: B2

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	70 °C			
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	1.5 - 1.15 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) Metal, base Hypochlorit

10.2. Chemical stability

No data available

Revision date: 08-Jul-2016 Print date: 08-Jul-2016

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Alkali (lye) Metal, base Hypochlorit

10.6. Hazardous decomposition products

T< Initial boiling point and boiling range No self decomposition on normal use

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

CAS No.	Substance name	Toxicological information
64-18-6	formic acid	LD₅₀ oral: 1,100 mg/kg (Ratte)

Skin corrosion/irritation:

Causes severe skin burns and eye damage.

Additional information:

Other information: In case of inhalation Dyspnoea May cause respiratory irritation. May cause damage to kidneys if swallowed. Acidosis

SECTION 12: Ecological information**12.1. Toxicity****Aquatic toxicity:****P:A-kalk-ex_ökotoxik.****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
64-18-6	formic acid	—

No data available

12.6. Other adverse effects

Further ecological information: No data available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

After neutralization and dilution 1:100 with water small amounts can be given to the sewage system.

Waste treatment options**Appropriate disposal / Package:**





Wash with water and give to pastic recycling.

13.2. Additional information

No data available

Revision date: 08-Jul-2016 Print date: 08-Jul-2016

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.			
3412	3412	3412	3412
14.2. UN proper shipping name			
Formic Acid	FORMIC ACID	Formic Acid	Formic Acid
14.3. Transport hazard class(es)			
 8	 8	 8	 8
14.4. Packing group			
II		II	II
14.5. Environmental hazards			
No data available			
14.6. Special precautions for user			
Hazard identification number (Kemler No.): 80 Classification code: - Remark: Classification code: C3	Classification code: -		

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

VOC < 50%

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

Revision date: 08-Jul-2016 Print date: 08-Jul-2016

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) 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 Corr. 1B</i>)	H314: Causes severe skin burns and eye damage.	

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.