

Safety Data Sheet

according to UK REACH Regulation

Kalk Ex S

Revision date: 09.03.2022

Product code:

Page 1 of 14

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Kalk Ex S

UFI: SX20-D07S-C00A-AXJR

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Cleaning agent, acidic

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Company name: Schaich Chemie und Bautenschutz GmbH

Street: Ficht 8

Place: D-94107 Untergriesbach

Telephone: +49(0)8593 93 96 207

Telefax: +49(0)8593 93 96 206

e-mail: info@schaich-chemie.de

Internet: www.schaich-chemie.de

Responsible Department: +49 (0)8593 9396207 (8:00-16:00)

Supplier

Company name: Stein & Co. GmbH

Street: Wirtschaftspark Straße 3/9

Place: A-4482 Ennsdorf

1.4. Emergency telephone number: +49 (0)8593 9396207 (8:00-13:00)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**

Met. Corr. 1; H290

Acute Tox. 4; H332

Skin Corr. 1B; H314

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

Formic acid ...%

glycolic acid

Signal word: Danger**Pictograms:****Hazard statements**

H290

May be corrosive to metals.

H314

Causes severe skin burns and eye damage.

Safety Data Sheet

according to UK REACH Regulation

Kalk Ex S

Revision date: 09.03.2022

Product code:

Page 2 of 14

H332 Harmful if inhaled.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Special labelling of certain mixtures

EUH071 Corrosive to the respiratory tract.

2.3. Other hazards

For information or further instructions, see also section 11 or 12.

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

in aqueous solution

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
64-18-6	Formic acid ...%			30 - < 35 %
	200-579-1	607-001-00-0	01-2119491174-37	
	Flam. Liq. 3, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1A; H226 H331 H302 H314 EUH071			
79-14-1	glycolic acid			10 - < 12 %
	201-180-5		01-2119485579-17	
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1; H332 H314 H318 EUH071			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
64-18-6	200-579-1	Formic acid ...%	30 - < 35 %
	inhalation: LC50 = 7,85 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = 730 mg/kg Skin Corr. 1A; H314: >= 90 - 100 Skin Corr. 1B; H314: >= 10 - < 90 Skin Irrit. 2; H315: >= 2 - < 10 Eye Irrit. 2; H319: >= 2 - < 10		
79-14-1	201-180-5	glycolic acid	10 - < 12 %
	inhalation: ATE = 11 mg/l (vapours); inhalation: LC50 = (3,6) mg/l (dusts or mists); oral: LD50 = 2040 mg/kg		

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures**4.1. Description of first aid measures**

Safety Data Sheet

according to UK REACH Regulation

Kalk Ex S

Revision date: 09.03.2022

Product code:

Page 3 of 14

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Remove contaminated, saturated clothing immediately.

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of irregular breathing or respiratory arrest provide artificial respiration. Where appropriate artificial ventilation. Seek medical advice immediately.

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with: Water and soap. Call a physician immediately.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. Call a physician immediately.

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

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

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

No active charcoal administration (as endoscopy will be required)!

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Carbon dioxide (CO₂), Extinguishing powder, alcohol resistant foam

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon dioxide (CO₂), Carbon monoxide

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove persons to safety. Provide adequate ventilation.

Avoid contact with skin, eyes and clothes. Do not breathe vapour/aerosol.

Wear personal protection equipment. (See section 8.)

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Discharge into the environment must be avoided.

Safety Data Sheet

according to UK REACH Regulation

Kalk Ex S

Revision date: 09.03.2022

Product code:

Page 4 of 14

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).
Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

Other information

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.
Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation as well as local exhaustion at critical locations.
Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

The usual precautions for handling chemicals should be considered.
Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work. Remove contaminated clothing immediately and dispose off safely. Wash contaminated clothing prior to re-use.

Further information on handling

Avoid contact with skin, eyes and clothes. Do not breathe vapour/aerosol.
General protection and hygiene measures: refer to chapter 8

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep only in the original container in a cool, well-ventilated place. Store locked up.
Unsuitable container/equipment material: Metal

Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Organic peroxides. Self-reactive substances and mixtures. Radioactive substances. Infectious substances.

Further information on storage conditions

Protect against: UV-radiation/sunlight., Heat, Humidity

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
64-18-6	Formic acid	5	9.6		TWA (8 h)	WEL

Safety Data Sheet

according to UK REACH Regulation

Kalk Ex S

Revision date: 09.03.2022

Product code:

Page 5 of 14

DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
64-18-6	Formic acid ...%		
Worker DNEL, acute	inhalation	local	19 mg/m ³
Worker DNEL, acute	inhalation	systemic	19 mg/m ³
Worker DNEL, long-term	inhalation	local	9,5 mg/m ³
Worker DNEL, long-term	inhalation	systemic	9,5 mg/m ³
Consumer DNEL, acute	inhalation	local	9,5 mg/m ³
Consumer DNEL, acute	inhalation	systemic	9,5 mg/m ³
Consumer DNEL, long-term	inhalation	local	3 mg/m ³
Consumer DNEL, long-term	inhalation	systemic	3 mg/m ³
79-14-1	glycolic acid		
Worker DNEL, long-term	inhalation	systemic	10,56 mg/m ³
Worker DNEL, acute	inhalation	systemic	9,2 mg/m ³
Worker DNEL, long-term	inhalation	local	1,53 mg/m ³
Worker DNEL, acute	inhalation	local	9,2 mg/m ³
Worker DNEL, long-term	dermal	systemic	57,69 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	2,6 mg/m ³
Consumer DNEL, acute	inhalation	systemic	2,3 mg/m ³
Consumer DNEL, acute	inhalation	local	2,3 mg/m ³
Consumer DNEL, long-term	dermal	systemic	28,85 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,75 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment	Value	
64-18-6	Formic acid ...%	
Freshwater	2 mg/l	
Freshwater (intermittent releases)	1 mg/l	
Marine water	0,2 mg/l	
Freshwater sediment	13,4 mg/kg	
Marine sediment	1,34 mg/kg	
Micro-organisms in sewage treatment plants (STP)	7,2 mg/l	
Soil	1,5 mg/kg	
79-14-1	glycolic acid	
Freshwater	0,031 mg/l	
Freshwater (intermittent releases)	0,312 mg/l	
Marine water	0,003 mg/l	
Freshwater sediment	0,115 mg/kg	
Marine sediment	0,011 mg/kg	
Secondary poisoning	16,66 mg/kg	

Safety Data Sheet

according to UK REACH Regulation

Kalk Ex S

Revision date: 09.03.2022

Product code:

Page 6 of 14

Micro-organisms in sewage treatment plants (STP)	7 mg/l
Soil	0,007 mg/kg

8.2. Exposure controls**Appropriate engineering controls**

Provide adequate ventilation as well as local exhaust at critical locations.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Suitable eye protection: Tightly sealed safety glasses. BS/EN 166

Hand protection

Wear suitable gloves. BS EN 374

Gloves with long cuffs

Suitable material:

Butyl rubber. (0,5 mm) (Breakthrough time \geq 8h)

FKM (fluororubber). (0,4 mm) (Breakthrough time \geq 8h)

CR (polychloroprenes, Chloroprene rubber). (0,5 mm) (Breakthrough time \geq 2h)

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Protective clothing. Protective apron (acid-resistant)

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

Exceeding exposure limit values

Insufficient ventilation

Generation/formation of aerosols

Suitable respiratory protective equipment: Combination filtering device (EN 14387) Type: EP-2/3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

This material and its container must be disposed of in a safe way.

The product is an acid. Before discharge into sewage plants the product normally needs to be neutralised.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	colourless
Odour:	stinging

Changes in the physical state

Melting point/freezing point:	-13,5 °C
Boiling point or initial boiling point and boiling range:	100 °C

Safety Data Sheet

according to UK REACH Regulation

Kalk Ex S

Revision date: 09.03.2022

Product code:

Page 7 of 14

Sublimation point:	No information available.
Softening point:	No information available.
Pour point:	not determined
Flash point:	71 °C

Flammability

Solid/liquid:	No information available.
Gas:	No information available.

Explosive properties

none

Lower explosion limits:	14 vol. %
Upper explosion limits:	33 vol. %
Auto-ignition temperature:	520 °C

Self-ignition temperature

Solid:	No information available.
Gas:	No information available.

Decomposition temperature: not determined

pH-Value: 3,5

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Flow time: not determined

Water solubility: very soluble

Solubility in other solvents

No information available.

Partition coefficient n-octanol/water: No information available.

Vapour pressure:
(at 20 °C) 43 hPaVapour pressure:
(at 50 °C) No information available.Density (at 20 °C): 1,063 g/cm³

Bulk density: No information available.

Relative vapour density: not determined

9.2. Other information**Information with regard to physical hazard classes**

Sustaining combustion: No data available

Oxidizing properties
none**Other safety characteristics**

Solvent separation test: No information available.

Solvent content: No information available.

Solid content: not determined

Evaporation rate: No information available.

Further Information

No information available.

SECTION 10: Stability and reactivity

Safety Data Sheet

according to UK REACH Regulation

Kalk Ex S

Revision date: 09.03.2022

Product code:

Page 8 of 14

10.1. Reactivity

May be corrosive to metals.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Violent reaction with: alkali

10.4. Conditions to avoid

Protect against direct sunlight.

Keep away from heat.

10.5. Incompatible materials

Strong acid, Strong alkali, Oxidising agent, strong

10.6. Hazardous decomposition productsCan be released in case of fire: Carbon dioxide (CO₂), Carbon monoxide**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Toxicokinetics, metabolism and distribution**

No information available.

Acute toxicity

Harmful if inhaled.

ATEmix calculated

ATE (inhalation vapour) 19,50 mg/l; ATE (inhalation dust/mist) 1,384 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64-18-6	Formic acid ...%				
	oral	LD50 730 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rat	ECHA Dossier	
	inhalation (4 h) vapour	LC50 7,85 mg/l	Rat	ECHA Dossier	
	inhalation dust/mist	ATE 0,5 mg/l			
79-14-1	glycolic acid				
	oral	LD50 2040 mg/kg	Rat	Study report (1998)	EPA OPP 81-1
	inhalation vapour	ATE 11 mg/l			
	inhalation (4 h) dust/mist	LC50 (3,6) mg/l	Rat..male. , OECD 403	ECHA Dossier	

Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious eye damage.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

Formic acid (CAS No. 64-18-6):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Reproductive toxicity:

Safety Data Sheet

according to UK REACH Regulation

Kalk Ex S

Revision date: 09.03.2022

Product code:

Page 9 of 14

Exposure time: 75d
 Species: Rat.
 Method: OECD Guideline 416
 Result: NOEL = 650 mg/kg bw/day
 Literature information: ECHA Dossier

glycolic acid (CAS No. 79-14-1):
 In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.
 Reproductive toxicity:
 Exposure time: 111d
 Species: Rat.
 Method: OECD Guideline 415
 Result: NOEL = 600 mg/kg bw/day
 Developmental toxicity/teratogenicity:
 Exposure time: 21d
 Species: Rat.
 Method: OECD Guideline 414
 Result: NOEL = 150 mg/kg bw/day
 Literature information: ECHA Dossier

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.

Formic acid (CAS No. 64-18-6):
 Subchronic inhalation toxicity:
 Exposure time: 90d
 Species: Rat.
 Method: OECD Guideline 413
 Result: NOAEC = 62 ppm
 Literature information: ECHA Dossier

glycolic acid (CAS No. 79-14-1):
 Subchronic oral toxicity:
 Exposure time: 90d
 Species: Rat.
 Method: OECD Guideline 408
 Result: NOEL = 150 mg/kg bw/day (70% sol)
 Literature information: ECHA Dossier

Aspiration hazard

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

Specific effects in experiment on an animal

No information available.

11.2. Information on other hazards**Endocrine disrupting properties**

No information available.

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

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64-18-6	Formic acid ...%					

Safety Data Sheet

according to UK REACH Regulation

Kalk Ex S

Revision date: 09.03.2022

Product code:

Page 10 of 14

	Acute fish toxicity	LC50 mg/l	40-100	96 h	Leuciscus idus	IUCLID	
	Acute algae toxicity	ErC50	27 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 mg/l	34,2	48 h	Daphnia magna	IUCLID	
79-14-1	glycolic acid						
	Acute fish toxicity	LC50	164 mg/l	96 h	Pimephales promelas	REACH Registration Dossier	other: US EPA Pesticide Assessment Guide
	Acute algae toxicity	ErC50 mg/l	22,5	72 h	Pseudokirchneriella subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50	141 mg/l	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202
	Acute bacteria toxicity	(EC50 mg/l)	> 100	3 h	Activated sludge	REACH Registration Dossier	OECD Guideline 209

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64-18-6	Formic acid ...%			
	OECD 301C / ISO 9408 / EEC 92/69/V, C.4-F	100%	14	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
79-14-1	glycolic acid			
	OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C	78%	11	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-18-6	Formic acid ...%	-0,54
79-14-1	glycolic acid	< 0,3

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

12.7. Other adverse effects

No information available.

Safety Data Sheet

according to UK REACH Regulation

Kalk Ex S

Revision date: 09.03.2022

Product code:

Page 11 of 14

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

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

List of Wastes Code - used product

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number or ID number:**

UN 3265

14.2. UN proper shipping name:

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Formic acid/glycolic acid)

14.3. Transport hazard class(es):

8

14.4. Packing group:

II

Hazard label:

8



Classification code:

C3

Special Provisions:

274

Limited quantity:

1 L

Excepted quantity:

E2

Transport category:

2

Hazard No:

80

Tunnel restriction code:

E

Inland waterways transport (ADN)**14.1. UN number or ID number:**

UN 3265

14.2. UN proper shipping name:

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Formic acid/glycolic acid)

14.3. Transport hazard class(es):

8

14.4. Packing group:

II

Hazard label:

8



Safety Data Sheet

according to UK REACH Regulation

Kalk Ex S

Revision date: 09.03.2022

Product code:

Page 12 of 14

Classification code: C3
 Special Provisions: 274
 Limited quantity: 1 L
 Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number or ID number: UN 3265
14.2. UN proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (formic acid/glycolic acid)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Marine pollutant: NO
 Special Provisions: 274
 Limited quantity: 1 L
 Excepted quantity: E2
 EmS: F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 3265
14.2. UN proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (formic acid/glycolic acid)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Special Provisions: A3 A803
 Limited quantity Passenger: 0.5 L
 Passenger LQ: Y840
 Excepted quantity: E2
 IATA-packing instructions - Passenger: 851
 IATA-max. quantity - Passenger: 1 L
 IATA-packing instructions - Cargo: 855
 IATA-max. quantity - Cargo: 30 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Safe handling: see section 7
 Personal protection equipment: see section 8

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):
 Entry 3, Entry 40

Safety Data Sheet

according to UK REACH Regulation

Kalk Ex S

Revision date: 09.03.2022

Product code:

Page 13 of 14

2010/75/EU (VOC):	not determined
2004/42/EC (VOC):	not determined
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

Additional information

Safety Data Sheet according to UK-REACH Regulation
 The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].
 UK REACH Appendix XVII, No (mixture): 3

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
Water hazard class (D):	1 - slightly hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

Rev. 1,0; Initial release: 05.10.2015
 Rev. 2,0; Revision: 22.07.2019
 Rev. 3,0; Revision: 11.03.2022

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 CAS: Chemical Abstracts Service
 CLP: Classification, Labelling and Packaging of substances and mixtures
 DNEL: Derived No Effect Level
 d: day(s)
 EINECS: European INventory of Existing Commercial chemical Substances
 ELINCS: European List of Notified Chemical Substances
 ECHA: European Chemicals Agency
 EWC: European Waste Catalogue
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
 h: hour
 LOAEL: Lowest observed adverse effect level
 LOAEC: Lowest observed adverse effect concentration
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NOAEL: No observed adverse effect level
 NOAEC: No observed adverse effect concentration
 NLP: No-Longer Polymers
 N/A: not applicable
 OECD: Organisation for Economic Co-operation and Development
 PNEC: predicted no effect concentration
 PBT: Persistent bioaccumulative toxic
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de

Safety Data Sheet

according to UK REACH Regulation

Kalk Ex S

Revision date: 09.03.2022

Product code:

Page 14 of 14

fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

REACH: Registration, Evaluation, Authorisation of Chemicals

SVHC: substance of very high concern

TRGS: Technische Regeln für Gefahrstoffe

UN: United Nations

VOC: Volatile Organic Compounds

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Met. Corr. 1; H290	On basis of test data
Acute Tox. 4; H332	Calculation method
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
EUH071	Corrosive to the respiratory tract.

Further Information

Classification according to GHS [UK CLP] - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)