

# EU safety data sheet

**Trade name:** Zementprodukte:

**Product no.:** K-ZP

**Current version :** 4.0.0, issued: 09.11.2023

**Replaced version:** 3.0.0, issued: 02.11.2023

**Region:** GB

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

### 1.1 Product identifier

Trade name

**Zementprodukte:**

**SICHERHEITSKLEBER FLEXIBEL PLUS**

**FUGENGRAU**

**SICHERHEITSKLEBER**

**FLEXKLEBER**

**FLIESENKLEBER 410**

**FLEXKLEBER 420**

**TROCK'NER KELLER DICHTUNGSSCHLÄMME**

**FLEX-FLIESENKLEBER C2T**

**PROFI-FLEXKLEBER**

**FLIESENKLEBER**

**GROSSFORMATKLEBER WAND & BODEN**

**FLEXKLEBER XXL 470**

**FLEXKLEBER C2T**

**FLEXKLEBER 418**

**GROSSFORMATKLEBER**

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

**Relevant identified uses of the substance or mixture**

Chemical product for building, modernising and repairing.

**Uses advised against**

No data available.

### 1.3 Details of the supplier of the safety data sheet

**Address**

LUGATO GmbH & Co. KG

Großer Kamp 1

D-22885 Barsbüttel

Telephone no. +49 (0)40 694 07-0

Fax no. +49 (0)40 694 07-109 + 110

**Information provided by / telephone**

Department TS, telephone +49 40 694 07-222

e-mail: [technik@lugato.de](mailto:technik@lugato.de)

**Advice on Safety Data Sheet**

[technik@lugato.de](mailto:technik@lugato.de)

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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## Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Eye Dam. 1; H318

Skin Irrit. 2; H315

STOT SE 3; H335

### Classification information

Classification and labelling with respect to skin sensitization and/or respiratory sensitization are based on toxicological studies performed on the product (mixture).

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

## 2.2 Label elements

### Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

#### Hazard pictograms



GHS05



GHS07

#### Signal word

Danger

#### Hazardous component(s) to be indicated on label:

Portland cement

#### Hazard statement(s)

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

#### Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
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 to hazardous or special waste collection point.

#### Labelling information

These mixtures are considered to be low in chromate in accordance with EC-regulation 1907/2006, annex XVII (47). The proportion of water soluble chromate (VI) is below 2 ppm (mg/kg).

## 2.3 Other hazards

No data available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

#### Chemical characterization

Preparation containing hazardous components given in the following list.

#### Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	Quartz (SiO <sub>2</sub> )			

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	14808-60-7 238-878-4 - -	-	>= 25.00 - < 50.00	wt%
<b>2</b>	<b>Portland cement</b>			
	65997-15-1 266-043-4 - -	Eye Dam. 1; H318 Skin Irrit. 2; H315 STOT SE 3; H335 Skin Sens. 1; H317	>= 25.00 - < 50.00	wt%
<b>3</b>	<b>Portland cement, Flue dust</b>			
	68475-76-3 270-659-9 - 01-2119486767-17	Eye Dam. 1; H318 Skin Irrit. 2; H315 STOT SE 3; H335 Skin Sens. 1; H317	< 2.50	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

#### After inhalation

Ensure supply of fresh air.

#### After skin contact

In case of contact with skin wash off immediately with copious amounts of water.

#### After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

#### After ingestion

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately. Never give anything by mouth to an unconscious person.

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

No data available.

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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

#### Unsuitable extinguishing media

No data available.

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

No data available.

### 5.3 Advice for firefighters

Cement reacts strongly alkaline with water.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid dust formation.

#### For emergency responders

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No data available. Personal protective equipment (PPE) - see Section 8.

## 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

## 6.3 Methods and material for containment and cleaning up

Product sets hard together with water, Collect mechanically. Send in suitable containers for recovery or disposal.

## 6.4 Reference to other sections

No data available.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Ensure adequate ventilation. Transport only in closed packing containers. Before use stand sacks upright and separate head piece (cover sheet) cleanly by cutting open. Carefully fill the powder, according to the instructions, into mixing vessels containing water. Avoid the formation and deposition of dust. Refer to protective measures listed in section 8.

#### General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

No special measures necessary.

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

#### Technical measures and storage conditions

Store in a dry place. Protect from atmospheric moisture and water.

#### Requirements for storage rooms and vessels

Keep in original packaging, tightly closed.

#### Incompatible products

None known

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	Quartz (SiO <sub>2</sub> )	14808-60-7	238-878-4
	2004/37/EC		
	Respirable crystalline silica dust		
	WEL long-term (8-hr TWA reference period)	0,1 (9)	mg/m <sup>3</sup>
2	Portland cement	65997-15-1	266-043-4
	List of approved workplace exposure limits (WELs) / EH40		
	Portland Cement		
	total inhalable dust		
	WEL long-term (8-hr TWA reference period)	10	mg/m <sup>3</sup>
	List of approved workplace exposure limits (WELs) / EH40		
	Portland Cement		
	respirable dust		
	WEL long-term (8-hr TWA reference period)	4	mg/m <sup>3</sup>

### 8.2 Exposure controls

#### Appropriate engineering controls

No data available.

#### Personal protective equipment

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## Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. Short term: filter apparatus, Filter P2

## Eye / face protection

Safety glasses with side protection shield (EN 166)

## Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material Nitrile impregnated protective gloves

## Other

Light protective clothing

## Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>State of aggregation</b>	
solid	
<b>Form</b>	
Powder	
<b>Colour</b>	
grey, white or coloured	
<b>Odour</b>	
odourless	
<b>pH value</b>	
Value	11.0 - 13.5
Reference temperature	20 °C
Comments	Saturated solution
<b>Boiling point / boiling range</b>	
No data available	
<b>Melting point/freezing point</b>	
Value	>= 1200 °C
<b>Decomposition temperature</b>	
No data available	
<b>Flash point</b>	
Not applicable	
<b>Ignition temperature</b>	
No data available	
<b>Flammability</b>	
No data available	
<b>Lower explosion limit</b>	
No data available	
<b>Upper explosion limit</b>	
No data available	
<b>Vapour pressure</b>	
No data available	

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## Relative vapour density

No data available

## Relative density

No data available

## Density

Value	2.9	-	3.2	g/cm <sup>3</sup>
Reference temperature			20	°C

## Bulk density

Value	appr.	1100	kg/m <sup>3</sup>
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## Solubility in water

Value	appr.	1.5	g/l
Reference temperature		20	°C

## Solubility

No data available

## Partition coefficient n-octanol/water (log value)

No data available

## Kinematic viscosity

No data available

## Particle characteristics

No data available

## 9.2 Other information

### Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute oral toxicity

No data available

#### Acute dermal toxicity

No	Substance name	CAS no.	EC no.
1	Portland cement, Flue dust	68475-76-3	270-659-9
	LD50	>	2000 mg/kg bodyweight
	Species	rabbit	
	Method	OECD 402	

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Source	ECHA
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Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	Portland cement, Flue dust	68475-76-3	270-659-9
LC50	>	6.04	mg/l
Duration of exposure		4	h
State of aggregation	Dust		
Species	rat		
Method	OECD 436		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	Portland cement, Flue dust	68475-76-3	270-659-9
Method	OECD		
Source	ECHA		
Evaluation	irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	Portland cement, Flue dust	68475-76-3	270-659-9
Method	OECD 438		
Source	ECHA		
Evaluation	Irreversible effects on the eye		

Respiratory or skin sensitisation	
No	Product Name
1	Zementprodukte: SICHERHEITSKLEBER FLEXIBEL PLUS FUGENGRAU SICHERHEITSKLEBER FLEKKLEBER FLIESENKLEBER 410 FLEKKLEBER 420 TROCK'NER KELLER DICHTUNGSSCHLÄMME FLEX-FLIESENKLEBER C2T PROFI-FLEKKLEBER FLIESENKLEBER GROSSFORMATKLEBER WAND & BODEN FLEKKLEBER XXL 470 FLEKKLEBER C2T FLEKKLEBER 418 GROSSFORMATKLEBER
Route of exposure	Skin
Evaluation/classification	Based on available data, the classification criteria are not met.

Germ cell mutagenicity
No data available

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	Portland cement, Flue dust	68475-76-3	270-659-9
NOAEC		1010	mg/kg bw/d
Method	OECD 422		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity
No data available

STOT - single exposure
No data available

STOT - repeated exposure

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No data available

## Aspiration hazard

No data available

## Symptoms related to the physical, chemical and toxicological characteristics

The product can cause skin and eye irritation.

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

Inhalation may lead to irritation of the respiratory tract.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

No data available.

#### Other information

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	Portland cement, Flue dust	68475-76-3	270-659-9
LC50	>	11.1	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Source	OECD 203		

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	Portland cement, Flue dust	68475-76-3	270-659-9
EL50	>	100	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	Portland cement, Flue dust	68475-76-3	270-659-9
NOEC		50	mg/l
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	Portland cement, Flue dust	68475-76-3	270-659-9
EC50		22.4	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No data available			



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## 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

No data available.

## 12.6 Endocrine disrupting properties

No data available.

## 12.7 Other adverse effects

No data available.

## 12.8 Other information

### Other information

Do not discharge into drains or waters and do not dispose of in public landfills.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

#### Packaging

Completely emptied packagings can be given for recycling. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user

No data available.

### 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 regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

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According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

#### **REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

#### **Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	Calcium carbonate	471-34-1	207-439-9	75
2	titanium dioxide; [not containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$ ]	13463-67-7	236-675-5	75

#### **Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is not subject to Part 1 or 2 of Annex I.

## 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: Other information

#### **Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

#### **Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H317 May cause an allergic skin reaction.

#### **Creation of the safety data sheet**

UMCO GmbH

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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