

EU safety data sheet

Trade name: Zementprodukte:

Product no.: K-ZP

Current version : 2.11.0, issued: 17.08.2022

Replaced version: 2.10.0, issued: 22.06.2021

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

FLEKKLEBER

FLIESENKLEBER 410

FLEKKLEBER 420

GROSSE KLASSE Spezialfliesenkleber

FLIESSBETTKLEBER 450

TROCK'NER KELLER DICHTUNGSSCHLÄMME

FLEX-FLIESENKLEBER C2T

PROFI-FLEKKLEBER

FLIESENKLEBER

GROSSFORMATKLEBER WAND & BODEN

FLEKKLEBER XXL 470

FLEKKLEBER C2T

FLEKKLEBER 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

Advice on Safety Data Sheet

technik@lugato.de

1.4 Emergency telephone number

For medical advice (in German and English):

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

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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	
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	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	Portland cement			
	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%
2	Portland cement, Flue dust			
	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	< 5.00	wt%
3	calcium diformate			
	544-17-2 208-863-7 - 01-2119486476-24	Eye Dam. 1; H318	< 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

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

For emergency responders

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	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 ³
List of approved workplace exposure limits (WELs) / EH40			
Portland Cement			
respirable dust			
	WEL long-term (8-hr TWA reference period)	4	mg/m ³

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	calcium diformate			544-17-2 208-863-7

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	dermal	Short term (acut)	local	16.7	mg/cm ²
	dermal	Short term (acut)	systemic	4780	mg/kg/day
	dermal	Long term (chronic)	local	16.7	mg/cm ²
	dermal	Long term (chronic)	systemic	4780	mg/kg/day
	inhalative	Short term (acut)	systemic	337	mg/m ³
	inhalative	Long term (chronic)	systemic	337	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	calcium diformate			544-17-2 208-863-7	
	oral	Long term (chronic)	systemic	23.9	mg/kg/day
	dermal	Short term (acut)	local	8.3	mg/cm ²
	dermal	Short term (acut)	systemic	2390	mg/kg/day
	dermal	Long term (chronic)	systemic	2390	mg/kg/day
	dermal	Long term (chronic)	local	8.3	mg/cm ²
	inhalative	Short term (acut)	systemic	83.2	mg/cm ²
	inhalative	Long term (chronic)	systemic	83.2	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	calcium diformate		544-17-2 208-863-7	
	water	fresh water	2	mg/L
	water	marine water	0.2	mg/L
	water	marine water sediment	1.34	mg/kg
	with reference to: dry weight			
	water	fresh water sediment	13.4	mg/kg
	with reference to: dry weight			
	soil	-	1.5	mg/kg dry weight
	sewage treatment plant	-	2.21	mg/L

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

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

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State of aggregation			
solid			
Form			
Powder			
Colour			
grey, white or coloured			
Odour			
odourless			
pH value			
Value	11.0	-	13.5
Reference temperature			20 °C
Comments	Saturated solution		
Boiling point / boiling range			
No data available			
Melting point/freezing point			
Value	>=		1200 °C
Decomposition temperature			
No data available			
Flash point			
Not applicable			
Ignition temperature			
No data available			
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value	2.9	-	3.2 g/cm ³
Reference temperature			20 °C
Bulk density			
Value	appr.		1100 kg/m ³
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	Substance name	CAS no.	EC no.
1	calcium diformate	544-17-2	208-863-7
log Pow			-2.3

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Reference temperature	20	°C
Method	EU Method A.8	
Source	ECHA	

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		
Source	ECHA		

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		

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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 GROSSE KLASSE Spezialfliesenkleber FLIESSBETTKLEBER 450 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	
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

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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		
2	calcium diformate	544-17-2	208-863-7
EC50	>	1000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
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		
2	calcium diformate	544-17-2	208-863-7
NOEC	>	100	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		
2	calcium diformate	544-17-2	208-863-7
EC50		807	mg/l
Duration of exposure		72	h
Species	Raphidocelis subcapitata		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No data available			

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12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	calcium diformate	544-17-2	208-863-7
Value		86	%
Duration		28	d
Method	OECD 301 D		
Source	ECHA		

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	calcium diformate	544-17-2	208-863-7
BCF		3.16	
Method	Calculation model used (Q)SAR		
Source	ECHA		

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	calcium diformate	544-17-2	208-863-7
log Pow		-2.3	
Reference temperature		20	°C
Method	EU Method A.8		
Source	ECHA		

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

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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)

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

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

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

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

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.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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