

# EC safety data sheet

**Trade name:** SICHERHEITSKLEBER FLEXIBEL

**Product no.:** ZG

**Current version :** 1.3.0, issued: 17.04.2019

**Replaced version:** 1.2.0, issued: 27.06.2018

**Region:** GB

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

### 1.1 Product identifier

Trade name

**SICHERHEITSKLEBER FLEXIBEL**

**Sicherheitskleber Flexibel**

**Flexkleber Extra 430**

**Sicherheitskleber Porenbeton**

### 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)

## 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.

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## 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  | <b>Portland cement</b>                           |  |                           |
|    | 65997-15-1<br>266-043-4<br>-<br>-                | Eye Dam. 1; H318<br>Skin Irrit. 2; H315<br>STOT SE 3; H335<br>Skin Sens. 1; H317 | >= 40.00 - < 50.00 %-b.w. |
| 2  | <b>Portland cement, Flue dust</b>                |  |                           |
|    | 68475-76-3<br>270-659-9<br>-<br>01-2119486767-17 | Eye Dam. 1; H318<br>Skin Irrit. 2; H315<br>STOT SE 3; H335<br>Skin Sens. 1; H317 | < 5.00 %-b.w.             |

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

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of persisting adverse effects, consult a physician.

#### 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

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

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

### 6.4 Reference to other sections

No data available.

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## 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.

#### Advice on storage assembly

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         |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |                 |            |                   |
| Portland Cement   |                 |            |                   |
| total inhalable dust  |                 |            |                   |
| WEL long-term (8-hr TWA reference period)                       |                 | 10         | mg/m <sup>3</sup> |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |                 |            |                   |
| 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

##### 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

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**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>Form/Colour</b>                               |                    |
| Powder   |                    |
| grey, white or coloured                          |                    |
| <b>Odour</b>                                     |                    |
| odourless  |                    |
| <b>Odour threshold</b>                           |                    |
| No data available                                |                    |
| <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 / melting range</b>             |                    |
| Value  | >= 1200 °C         |
| <b>Decomposition point / decomposition range</b> |                    |
| No data available                                |                    |
| <b>Flash point</b>                               |                    |
| Not applicable                                   |                    |

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|                                  |
|----------------------------------|
| <b>Auto-ignition temperature</b> |
| No data available                |

|                             |
|-----------------------------|
| <b>Oxidising properties</b> |
| No data available           |

|                             |
|-----------------------------|
| <b>Explosive properties</b> |
| No data available           |

|                                  |
|----------------------------------|
| <b>Flammability (solid, gas)</b> |
| No data available                |

|   |
|---|
| <b>Lower flammability or explosive limits</b> |
| No data available                             |

|   |
|---|
| <b>Upper flammability or explosive limits</b> |
| No data available                             |

|                        |
|------------------------|
| <b>Vapour pressure</b> |
| No data available      |

|                       |
|-----------------------|
| <b>Vapour density</b> |
| No data available     |

|                         |
|-------------------------|
| <b>Evaporation rate</b> |
| No data available       |

|                         |
|-------------------------|
| <b>Relative density</b> |
| No data available       |

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

|                     |       |      |                   |
|---------------------|-------|------|-------------------|
| <b>Bulk density</b> |       |      |                   |
| Value               | appr. | 1100 | kg/m <sup>3</sup> |

|                            |       |     |     |
|----------------------------|-------|-----|-----|
| <b>Solubility in water</b> |       |     |     |
| Value                      | appr. | 1.5 | g/l |
| Reference temperature      |       | 20  | °C  |

|                        |
|------------------------|
| <b>Solubility(ies)</b> |
| No data available      |

|   |
|---|
| <b>Partition coefficient: n-octanol/water</b> |
| No data available                             |

|                   |
|-------------------|
| <b>Viscosity</b>  |
| No data available |

## 9.2 Other information

|                          |
|--------------------------|
| <b>Other information</b> |
| No data available.       |

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

No data available.

### 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 toxicological effects

|                            |
|----------------------------|
| <b>Acute oral toxicity</b> |
| No data available          |

|                              |
|------------------------------|
| <b>Acute dermal toxicity</b> |
| No data available            |

|                                    |
|------------------------------------|
| <b>Acute inhalational toxicity</b> |
| No data available                  |

|                                  |
|----------------------------------|
| <b>Skin corrosion/irritation</b> |
| No data available                |

|                                      |
|--------------------------------------|
| <b>Serious eye damage/irritation</b> |
| No data available                    |

|  |  |
|--|--|
| <b>Respiratory or skin sensitisation</b> |  |
| <b>No</b>                                | <b>Product Name</b>  |
| 1  | SICHERHEITSKLEBER FLEXIBEL<br>Sicherheitskleber Flexibel<br>Flexkleber Extra 430<br>Sicherheitskleber Porenbeton |
| Route of exposure                        | Skin   |
| Evaluation/classification                | Based on available data, the classification criteria are not met.  |

|                               |
|-------------------------------|
| <b>Germ cell mutagenicity</b> |
| No data available             |

|                              |
|------------------------------|
| <b>Reproduction toxicity</b> |
| No data available            |

|                        |
|------------------------|
| <b>Carcinogenicity</b> |
| No data available      |

|                               |
|-------------------------------|
| <b>STOT - single exposure</b> |
| No data available             |

|                                 |
|---------------------------------|
| <b>STOT - repeated exposure</b> |
| No data available               |

|                          |
|--------------------------|
| <b>Aspiration hazard</b> |
| No data available        |

|   |
|---|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> |
| The product can cause skin and eye irritation.                                      |

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

Inhalation may lead to irritation of the respiratory tract.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Toxicity to fish (acute)

No data available

#### Toxicity to fish (chronic)

No data available

#### Toxicity to Daphnia (acute)

No data available

#### Toxicity to Daphnia (chronic)

No data available

#### Toxicity to algae (acute)

No data available

#### Toxicity to algae (chronic)

No data available

#### Bacteria toxicity

No data available

### 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 Other adverse effects

No data available.

### 12.7 Other information

#### Other information

Do not discharge into the drains or waters and do not store on public depositories.

## 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.



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## 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 Transport in bulk according to Annex II of Marpol and the IBC Code

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, PREPARATIONS AND ARTICLES**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on 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.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

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 chapter.

#### **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.

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**Department issuing safety data sheet**

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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.

Alterations/supplements:

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

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