

Material Safety Data Sheet

According to Regulation (EU) 2015/830



Trade name: KRONE Schnellzement

Revised on: 25 Oct. 2016

Effective date: 01 Jan. 2017

Version: 5

Replaces version: 4 dated 01 Feb. 2016

Section 1: Identification of the substance/mixture and of the company

1.1 Product identifier

Trade name:	Krone Schnellzement
Name of the substance:	Fast-hardening cement
Product properties::	Quickly setting, water-proof and weather-resistant mortar for urgent, fast installations.

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

Application of the mixture:	Suitable for fast casting and filling of holes and cracks in plaster and brickwork, for anchoring wall hooks, dowels, brackets for gutters and downpipes, rails, grids and radiators as well as for quick repairs in households, to seal pipe openings, for indoor and outdoor applications.
Relevant identified uses:	Industrial use. Commercial use. Use by private consumers,
Uses advised against:	Not known

1.3 Details of the supplier providing the material safety data sheet

Manufacturer/Supplier	Hilliges Gipswerk GmbH & Co. KG
Street / P.O. box	Hüttenweg 1
Nat. ID/ zip code/town or city:	DE – 37520 Osterode
Phone:	+49(0) 5522 9909-0
Fax:	+49(0) 5522 9909-90
E-Mail:	wichmann.mark@krone-gips.de

1.4 Emergency number

GIZ-Nord: [(Information centre for poisoning cases)]	+49 (0) 551 19240
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Section 2: Potential hazards

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard Hazard categories

Pictogram

notes

H315 Corrosive/irritant effect on the skin, hazard category 2 (Skin Irrit.2)
H317 Sensitation of respiratory tract/skin, hazard category 1 (Skin Sens.1)
H318 Serious damage/irritation to the eyes, hazard category 1 (Eye Dam.1)
H335 Specific target organ toxicity – single exposure (STOT SE 3)

GHS05 –
Corrosivity
GHS07 -
Caution

2.2 Labelling elements

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

The product is classified and labelled according to the CLP-Regulation:

Hazard

pictograms:



GHS05 - Corrosivity



GHS07 - Caution

Signal word: Danger:

Hazard H315 Causes skin irritation.

clauses: H317 May cause allergic skin reactions.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Safety P101 If medical advice is needed, have product container or label
clauses: at hand.

P102 Keep out of the reach of children.

P103 Read identification label before use.

P261 Avoid inhalation of dust.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+ P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or physician.

P321 Specific treatment (see ... on this label).

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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2.3 Other hazards

Additional hazards

Dust generated from the dry mixture may irritate the respiratory tract. Repeated inhalation of large quantities of dust increases the risk of lung diseases. The product reacts highly alkaline with moisture. When mixed with water, the product may cause serious damage to the skin in case of prolonged contact with the skin.

The preparation is classified as low-chromate under TRGS 613, as the content of allergising chromate (VI) has, by means of additives, been lowered to < 2 ppm in the cement fraction of the ready-to-use mortar.

For the chromate reduction to be effective, the product has to be properly stored and used within the shelf life.

Results of PBT- and vPvB-assessment:

PBT: Not applicable.

vPvB: Not applicable

Section 3: Composition / information on ingredients

3.1 Substances

This product is a mixture.

3.2 Mixtures

Consisting of: A special, hydraulically hardening mixture of bonding agents, selected aggregates and special additives. Factory-made dry-mix mortar

Identification	EINECS-No.:	CAS-No.:	Registration number (REACH)	Content	Classification according to Regulation (EC) No. 1272/2008	
Portland-Cement clinker	266-043-4	65997-15-1	Not applicable	< 50% and pH value \geq 11.5	Eye damage 1	H318
					Skin irritation 2	H315
					May cause allergic skin reactions	H317
					STOT single exposure 3, Exposure path: Inhalation	H335

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Section 4: First-aid measures

4.1. Description of first-aid measures

General information:	No adverse effects when the substance is used as specified. Contains cement. Highly alkaline reaction with moisture, so protect skin and eyes.
After inhalation:	Fresh air, consult physician when complaints occur.
After skin contact:	Remove dry mortar and rinse off with plenty of water.
After eye contact:	Rinse eyes under running water with eyelids open for at least 20 minutes and consult an eye specialist.
After ingestion:	Rinse out mouth and drink plenty of water. Do not induce vomiting. Seek medical attention.
Notes for the physician:	See Sec. 4.2

4.2. Main symptoms and effects, both acute and delayed

There is risk of serious damage to the eyes.

Even when dry, the product may have an irritant effect on wet skin in case of prolonged contact, which may cause skin irritations and/or serious damage to the skin.

4.3 Information on medical emergency assistance or special treatment needed

When a physician is consulted, show the material safety data sheet when possible.

Section 5: Fire-fighting measures

5.1 Extinguishing agents

General information:	The product itself is non-combustible. In the event of a surrounding fire, the following points have to be observed:
Suitable extinguishing agents	All extinguishing agents are suitable.
Unsuitable extinguishing agents:	None

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Special protective equipment.	Wear self-contained breathing apparatus
Further information:	The product is not combustible.

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Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personnel and members of emergency services not trained for emergencies:

- Ensure sufficient ventilation.
- Wear suitable personal protective equipment.
- Avoid dust formation.
- The product forms slippery surfaces when combined with water.

6.2 Environmental precautions

Keep mixture dry, cover to avoid dust formation, do not allow to get into sewer system, surface water or ground water (increase of the pH)

6.3 Methods and material for containment and cleaning up

Take up mechanically, take up dry. In case of dust formation, wear protective mask and goggles.

6.4 Reference to other sections

Observe items 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Precautions:	Avoid formation of dust and contact with eyes.
Fire protection measures:	The product itself is non-combustible. No special measures required.
Measures to prevent aerosol and dust formation:	If technically feasible, use equipment with local evacuation.
Advice relating to general industrial hygiene:	Do not eat, drink, smoke or snuff at the workplace. Wash hands before breaks and after work. Used work clothing should not be worn outside the workplace.

7.2 Conditions for safe storage, including incompatibilities

Requirements for storage rooms and containers:	Protect from moisture and water. Leave product in original container for storage.
Information on storage with other products:	Do not store together with acids. Store far from foodstuffs.
Further information about storage conditions:	Store in a dry place. Keep container tightly closed.
Storage category:	Non-flammable solid material (LGK 13) [storage category].

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7.3 Specific end use

No additional relevant information available.

Section 8: Exposure controls and personal protection

8.1 Parameters to be monitored

Occupational exposure limit

Components requiring monitoring of occupational exposure limit values	CAS-number	Type of assessment value	Assessment value (mg/m ³) Basis 8 h	Peak limitation (mg/m ³)	Origin
General dust limit	None	OEL	3 (A) 10 (I)	2 (II) 6 (A) 20 (I) (15 min)	TRGS 900
Portland cement clinkers	65997-15-1	OEL	5 (I)		

(A) = alveolar dust fraction (I) = inhalable dust fraction

8.2 Limitation and monitoring of exposure

General protection and hygiene measures: Refer to Section 7

Personal protective equipment

Respiratory protection:

In case of dust formation, wear respirator mask with FFP 2-filter.

Hand protection:

In case of prolonged or repeated contact, wear protective gloves.

The glove material must be impermeable and resistant against the product / substance / preparation. Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation

Glove material

Nitrile-impregnated cotton gloves with CE-mark

Penetration time of the glove material:

Information on the precise penetration time is available from the manufacturer; it has to be observed.

Eye protection:

In the event of any risk of splashing, wear safety glasses with lateral shields
(as defined in EN 166).

Body protection:

Protective work clothing

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Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Aggregation state:	Powdery/solid
Colour:	Grey
Odour:	Odourless (neutral)
pH (at 20 °C), as-delivered condition:	Not applicable
pH (at 20°C), in aqueous solution:	11...13.5 (mixed ready for use, when used as intended)
Melting point/freezing point:	1250 °C
Boiling point:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gaseous):	Inflammable
Upper / lower flammability or explosive limits	Not applicable
Steam pressure:	Not applicable
Vapour density	Not applicable
Relative density:	approx.. 2.3...3.0 g/cm ³
Bulk density:	1100-1500 kg/m ³
Solubility in water (at 20°C):	Practically insoluble
Partition coefficient (n-octanol/water):	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature of the set material:	Not applicable
Viscosity:	Not applicable
Explosive properties:	Not explosive
Oxidizing properties.	Not oxidizing
VOC-content:	0.0 g/kg

9.2 Other information:

None.

Section 10: Stability and reactivity

10.1 Reactivity

Upon contact with water, the product start to set and hardens. Alkaline reaction.

10.2 Chemical stability

No (thermal) decomposition when stored and handled as specified.

10.3 Possibility of hazardous reactions

Reaction with light metals in the presence of water with formation of hydrogen is possible.

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10.4 Conditions to be avoided

Uncontrolled entry of moisture (material will set and harden).

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

None known.

Section 11: Toxicological Information

11.1 Information on toxicological effects

General remarks:	No toxicological data available. Classification of the preparation has been done by calculation procedures in accordance with EC directives. On the basis of the results of calculations made according to the EU Dangerous Preparations Directive in its latest valid version this product is associated with the following risks: irritant When mixed with water, the product may cause serious damage to the skin in case of prolonged contact with the skin. Simultaneous mechanical stress of the skin may aggravate such effects.
Acute toxicity	No information available.
Primary irritant effect on skin	Irritant to skin and mucous membranes
Primary irritant effect on the eyes	Strong irritant with the danger of serious eye damage
Inhalation	Irritation of lungs, coughing and dyspnoea possible.
Allergisation	Allergisation through skin contact possible. As long as the minimum use by date is not exceeded, a sensitising effect is not to be expected.

Section 12: Environmental information

12.1 Toxicity

Ecotoxic effects, in particular aquatic toxicity, are only to be expected in the event of a release of major quantities in combination with water, due to pH-value shifts.

12.2 Persistence and degradability

The mixture is not bio-degradable.

12.3 Bioaccumulation potential

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Due to the low solubility in water and the high hydrolytic stability, transfer processes between organisms or processes of bioaccumulations are highly unlikely.

Building material residues remaining in hydration do not present any toxicological risk.

12.4 Mobility in soil

Due to the low solubility in water, mobility in soil is not to be expected.

Building material residues remaining in hydration do not present any toxicological risk.

Other ecological information: *General information:* Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT- and vPvB-assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other harmful effects:

Release of major quantities in connection with water causes an increase of the pH-value.

Dilution (with water) reduces the pH-value rapidly.

Section 13: Disposal considerations

13.1 Waste treatment process

Recommendation: Disposal in accordance with the applicable government regulations

European waste catalogue:

17 01 07

Construction and demolition wastes: concrete, bricks, tiles and ceramics as well as mixtures of them other than those mentioned in 17 01 06.

Waste

Re-use/recycling in facilities authorised for the above waste codes. Waste disposal on landfills for non-inert waste according to Decision 2003/33/EC.

Section 14: Transport information

14.1 UN- Number

Not applicable

14.2 Proper UN-shipping name:

Not applicable

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14.3 Transport hazard classes

Not applicable

14.4 Pack group

Not applicable

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for the user:

Not applicable.

14.7 Transportation in bulk according to Annex II of MARPOL-agreement And according to IBC-Code

Not applicable.

UN "Model Regulation": Not applicable

Section 15: Legislation

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations:

Water hazard class

Slightly hazardous to waters – WGK 1 (Appendix 4, VwVwS Deutschland dated 27 Jul.2005 [German Administrative Regulation Regarding Water Pollutants])

TRGS 559 (Technical regulation for hazardous materials)

Mineral dust

TRGS 900 (Technical regulation for hazardous materials)

Occupational exposure limits

Relevant UVV, BGV, BGR

BGR 190

Use of protective respirators

BGR 192

Use of eye and face protection

BGR 189

Use of protective clothing

BGR 195

Use of protective gloves

15.2 Chemical safety assessment

A chemical safety assessment was not performed.

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Section 16: Other information

Department issuing data
specification sheet:

Hilliges Gipswerk GmbH & Co. KG,
Abteilung Qualitätssicherung, [Quality Assurance Department]
Hüttenweg 1,
37520 Osterode am Harz

Contact:

Quality Assurance Department:
Tel.-No.: +49(0) 5522 9909-34
Fax No.: +49(0) 5522 990990

Wording of H-clauses:

H315 Causes skin irritation.
H317 May cause allergic skin reactions.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Training advice on health
and safety:

www.eurogypsum.org

Other notes;

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. 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 as far as the product described in this material safety data sheet is combined, mixed or processed with other materials or is subjected to any adaptation, the information provided in this material safety data sheet may, unless expressly stated otherwise, not be transferred to the new material manufactured in the above manner.

Abbreviations and acronyms

OEL	Occupational exposure limit
CAS	Chemical Abstracts Service - international identification standard for chemical substances
DNEL	Derived No-Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
EN	European Norm
GHS	Globally Harmonized Systems of Classification, Labelling and Packaging of Chemicals
IBC-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
MARPOL	Marine pollution (International Convention for the Prevention of Pollution From Ships)
PBT	Persistent, bio-accumulative and toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No. 1907/2006
STOT	Specific target organ toxicity
TRGS	Technische Regeln für Gefahrstoffe - technical rules for hazardous substances
VOC	Volatile organic compound
vPvB	Very persistent, very bio-accumulative