



MATERIAL SAFETY DATA SHEET

according to 1907/2006/EC

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1. Identification of the Product and Company

1.1. Trade name / Brand name

Commercial name: *Beton für Kreative*
Productcode: 9-404-XXX-XX

1.2. Relevant identified uses

SU21: consumer uses: private households / general public / consumers.

Use of the substance or mixture:

Concrete for art and craft

1.3. Name and address of supplier:

VIVA DECOR GmbH
Meierweg 8
D-32108 Bad Salzuflen
Germany

Email: info@viva-decor.de, www.viva-decor.de
Phone: +49-(0) 5222-36 336 0

2. Hazards Identification

2.1. Classification of the substance or mixture

Classification according to Regulation No 1272/2008/EC:

GHS05, GHS07; Skin Irrit. 2 / H315; Eye Dam.1 / H318; STOT SE 3 / H335

2.2. Label elements according to Regulation No 1272/2008/EC:

The product is classified and labelled according to the CLP regulation

Hazard pictograms



GHS07 GHS05
Signal word: Danger

Hazardous ingredient/s for labeling: Portland cement

Hazard statements:

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

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust.
P280: Wear protective gloves/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water and soap.



P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor

2.3. Special hazards for human health and environment: none

2.4. Other hazards: When cement reacts with water and becomes wet, a strong alkaline solution is produced. Due to the high alkalinity, wet cement may provoke skin and eye irritation

3. Composition / Information on Ingredients

3.1. Chemical characterization: Mixture

Cement, aggregates (sand, chalk), flux

3.2. Hazardous ingredients according to 1272/2008/EC:

EC-No.:	chemical name:	
CAS-No.:	classification:	% (w/w)
266-043-4	Portland cement clinker	30-40
65997-15-1	GHS05, GHS07; Skin Irrit.2/H315, Eye Dam.1/H318, STOT SE 3/H335	

The full text of H-Phrases is displayed in Section 16

3.3. Additional informations: Cement does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation No 1907/2006/EC). It contains chromate reducers, keeping the content of water-soluble chromium(VI) below 0.0002%.

4. First Aid Measures

4.1. General information: No adverse effects are expected during normal use of the mixture, however if any effects do appear the following recommendations apply.

4.2. In cases of eye contact: Do not rub eyes dry because mechanical stress may cause additional damage to the cornea. Where applicable, remove contact lenses and immediately rinse the eye while open under running water for at least 20 minutes in order to remove all particles. If possible, use isotonic eye-cleansing solution (0.9% NaCl). If eye irritation persists, seek medical advice

4.3. In cases of skin contact: Rinse with soap and plenty of water, in the case of skin irritation take medical advice

4.4. In cases of ingestion: Rinse out mouth and give plenty of water to drink. If symptoms develop, seek medical attention

4.5. In cases of inhalation: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion

4.6. Most important symptoms and effects, both acute and delayed: May cause serious and potentially irreversible eye damage

4.7. Advice to doctor: treat symptoms

5. Fire-fighting Measures

5.1. Extinguishing agents: Use any means suitable for extinguishing surrounding fire.

5.2. Extinguishing media which must not be used for safety reasons: full water jet



- 5.3. **Special exposure hazards arriving from substance or preparation itself, combusting products, resulting gases:** None in particular, cements are non-combustible and non-explosive and will not facilitate or sustain the combustion of other materials
 - 5.4. **Protective equipment:** adapt to surrounding fire
 - 5.5. **Additional information:** The product is not flammable.
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6. Accidental Release Measures

- 6.1. **Personal precaution:**
Ventilate area of leak. Wear appropriate personal protective equipment. Avoid contact with skin and eyes, do not breathe dust
 - 6.2. **Environmental precautions:**
Cement must not be allowed to penetrate the sewage water system, surface water or groundwater.
 - 6.3. **Clean-up procedure:**
Pick it up mechanically and collect in suitable containers for disposal or reuse
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7. Handling and Storage.

- 7.1. **Advice on safe handling**
No special provisions if the product is used appropriately
Avoid contact with eyes and skin. Avoid formation of dust. Comply with the health and safety at work laws
 - 7.2. **Advice on protection against fire, aerosol and dust generation**
Product itself does not burn. No special fire protection measures are necessary.
 - 7.3. **Storage:** No requirements for storage rooms and vessels. Protect from sunlight and do not expose to temperatures above 50°C, keep from extreme cold. Storage temperature 5-25°C
 - 7.4. **Storage class:** Non-combustible solids
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8. Exposure Control / Personal Protection

- 8.1. **Exposure limit values:**
Portland cement (CAS-Nr.: 65997-15-1)
Working place limit according to TRGS 900 (AGW): 5 mg/m³ (Inhalable dust fraction), DFG
General dust limit (2.4 TRGS 900): 1.25 mg/m³ (Respirable dust fraction), 10 mg/m³ (Inhalable dust fraction)
- 8.2. **Personal protection:** The usual precautionary measures are to be adhered to, when handling chemicals: avoid formation of dust, avoid contact with skin and eyes, do not eat, drink or smoke
- 8.3. **Eye protection:** use tight-fitting safety goggles according to EN 166 where dust is formed or in case of risk of spilling
- 8.4. **Hand protection:** wear waterproof, abrasion and alkali-resistant gloves (EN 374), use skin care products after working
- 8.5. **Respiratory protection:** Mixing and filling of dry cement in open systems, e.g. manual mixing of cement paste or cement mortar, transfer of sacked product into mixing machines: If it is not possible to adhere to occupational exposure limits by means of dust control



measures, e.g. local suction units, particle-filters P1 type (according to EN 143) should be used.

8.6. **Body protection:** working cloths

9. **Physical and Chemical Properties**

9.1. **General information**

Physical state:	solid, powder
Colour:	grey
Odour:	weak
Flash point:	not applicable
Flammability:	not applicable
Melting point:	not applicable
Explosion risk:	not explosive, not oxidizing
Density at 20°C:	~ 3 g/cm ³
Water solubility (at 20°C):	reacts with water
pH-value at 20°C:	> 11.5 (10% in water)
Viscosity:	not applicable

9.2. **Additional information:** VOC-content (EU) < 1% (w/w), hygroscopic powder

10. **Stability and Reactivity**

10.1. **Chemical stability:**

Product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.2. **Materials to avoid:** strong acids and alkali, oxidizing agents

10.3. **Hazardous decomposition products:** If stored and handled properly: none known

10.4. **Conditions to avoid:** humidity, water

10.5. **Hazardous reactions:** none known

11. **Toxicological Information**

11.1. **Acute toxicity (mixture):** no data available

Relevant LD₅₀/LC₅₀-Values: similar products
Dermal: LD₅₀ (rabbit): > 2,000 mg/kg (24 hrs exposure)

11.2. **Primary irritation:** irritating

Skin: Cement has an irritating effect on skin and mucous membranes. Dry cement in contact with moist skin or skin in contact with damp or wet cement can lead to various irritating and inflammatory skin reactions, e.g. redness and chaps. Prolonged contact in combination with mechanical abrasion may cause severe skin damage

Eye: Direct contact with cement can lead to cornea damage due to either an immediate or delayed irritation or inflammation, or mechanical stress. Direct contact with large amounts of dry cement or splashes of wet cement may have effects ranging from moderate eye irritation (e.g. conjunctivitis or blepharitis) to serious eye damage and blindness.



Sensitization / allergisation: sensitizing effects not known, low chromate
CMR: no data available

- 11.3. Others:** According to our experience no damage to health has appeared. Cement may aggravate existing skin, eye and respiratory tract diseases, for example emphysema or asthma
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12. Ecological Information

- 12.1. Ecotoxicity:** no data of the mixture available;
after hydration, residual cement presents no toxicological risk
- 12.2. Persistence and degradation:**
Not applicable, as the product is a mixture of inorganic mineral materials
- 12.3. Other adverse effects:**
According to the criteria of the European classification and labeling system, the product has not to be labeled as „dangerous for the environment“.
- On the basis of existing data about the elimination/degradation and bioaccumulation potential longer term damage to the environment is unlikely.
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13. Disposal Considerations

- 13.1. Product:** In compliance with local regulations,
Product after addition of the water, hardened: according to AVV (German Regulation): 17 01 01 (concrete) or 10 13 14 (waste concrete or concrete sludge)
- 13.2. Packaging:** Non-contaminated packages may be recycled
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14. Transport Information

Not classified as „hazardous for transport“

Land, river/canal, sea, air-transport: not regulated for transport by ADR/RID-GGVS/E, IMDG/GGVSee, ICAO/IATA

15. Regulatory Information

Labelling in accordance with EC-guidelines:

The mixture requires a hazard warning label in accordance with EC directives and/or the relevant national laws.

Water hazard class 1 (German Regulation, self-assessment): slightly hazardous
Storage class: non-combustible solids (LGK 10-13 according to German Regulation)
GISCODE: ZP 1 (cement-containing products, low in chromate)

16. Other Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product, but to liberation of major amounts in case of accidents and irregularities.

- 16.1. H-Phrases** (Section 3):
H315: Causes skin irritation



H318: Causes serious eye damage
H335: May cause respiratory irritation

This material safety data sheet is accurate to the best of our present-day knowledge and is based on information which we consider as reliable. The data should not be taken to imply any guarantee of a particular or general specification. It is the responsibility of the user of the product to ensure to his satisfaction that the product is suitable for the intended purpose and method of use.

This data do not constitute a guarantee for the characteristics of the product as defined by the legal warranty regulations.
