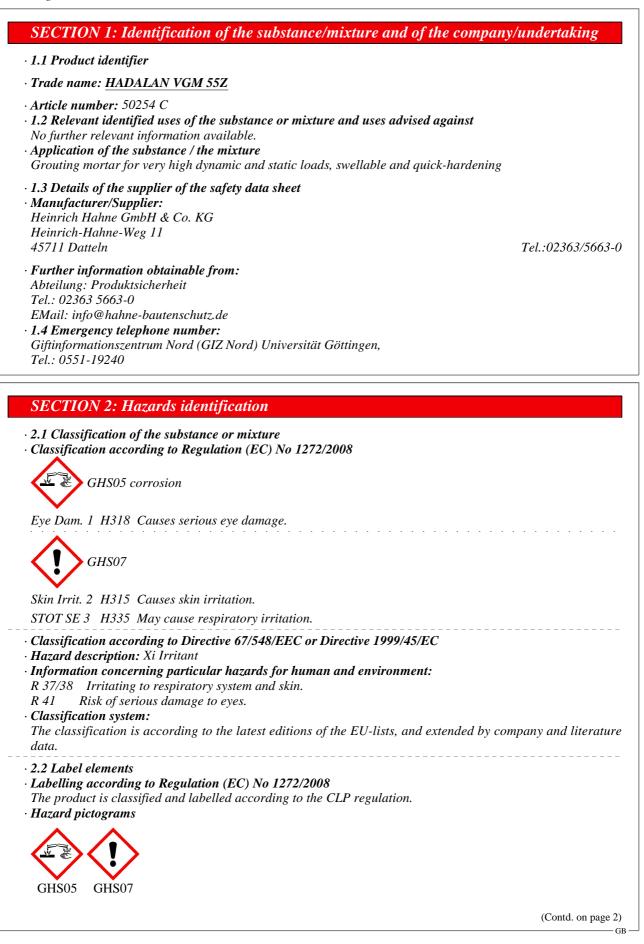


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Simulan and Da	(Contd. of page 1)
• Signal word Da	nger
Hazard-determi	ining components of labelling:
Cement, portlan	d, chemicals
Hazard stateme	nts
H315 Causes sk	in irritation.
H318 Causes se	rious eye damage.
H335 May cause	e respiratory irritation.
Precautionary s	tatements
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P3	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
2.3 Other hazar	ds
Results of PBT	and vPvB assessment
PBT: Not applie	cable.
vPvB: Not appli	cable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

• Description: Dry mortar based on Portland cement.

· Dangerous components:

 CAS: 65997-15-1
 Cement, portland, chemicals
 25-50%

 EINECS: 266-043-4
 Xi R37/38-41
 25-50%

 Einect: 266-043-4
 Eye Dam. 1, H318; \$ Skin Irrit. 2, H315; STOT SE 3, H335
 25-50%

• Additional information:

For the wording of the listed risk phrases refer to section 16. GISCODE: ZP1 This product contains less than 1% quartz (respirable)

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- After inhalation: Supply fresh air and to be sure call for a doctor.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.
- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

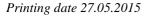
No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents: Use in accordance to surrounding.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.

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· 5.3 Advice for firefighters

· Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- · 6.1 Personal precautions, protective equipment and emergency procedures Avoid exposure to skin and eyes.
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up: Pick up mechanically.
- · 6.4 Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Avoid formation of dust.
- Avoid skin and eye contact.
- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store only in unopened original receptacles.
- · Information about storage in one common storage facility: Do not store together with acids.
- Further information about storage conditions: Store in dry conditions.
- Storage class: VCI storage class: 13 Non-hazardous solid brand.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

- 65997-15-1 Cement, portland, chemicals (10-25%)
- WEL Long-term value: 10* 4** mg/m³
 - *inhalable dust **respirable dust

14808-60-7 Quartz (SiO2) (50-100%)

WEL 0.15 A mg / m³

24, Y; DFG

· Additional information: The lists valid during the making were used as basis.

- · 8.2 Exposure controls
- · Personal protective equipment:
- \cdot General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the skin. Avoid contact with the eyes and skin.
- **Respiratory protection:**
- Leaflet ZH1/134 professional association Creating a dust mask if dust is generated
- Dust mask P1

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- · Protection of hands:
- Protective gloves
- Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Protective gloves made of PVC, rubber, nitrile rubber.

- · Penetration time of glove material
- The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: In case of dust and splashes goggles.
- **Body protection:** Wear protective clothing.

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physi	cal and chemical properties
• General Information	
· Appearance:	
Form:	powdery
Colour:	Grey
· Odour:	Odourless
• pH-value at 20 •C:	11-13 (100 g/l)
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· Flash point:	Not applicable.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density:	Not determined.
· Solubility in / Miscibility with	
water:	Dispersible.
· Solvent content:	
Solids content:	100.0 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: Avoid contact with acids.
- 10.6 Hazardous decomposition products: No, with proper handling and storage.

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SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- Acute toxicity:
- · Primary irritant effect:
- \cdot on the skin: Irritant to skin and mucous membranes.
- \cdot on the eye: Strong irritant with the danger of severe eye injury.
- · Sensitisation:

As long as the expiration date of the product is not exceeded, is not expected to have a sensitizing effect.

 $\cdot Additional \ toxicological \ information:$

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant

SECTION 12: Ecological information

· 12.1 Toxicity

- Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:
- Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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 adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

17 01 01 concrete

· Uncleaned packaging:

• *Recommendation:* Disposal must be made according to official regulations.

· 14.1 UN-Number		
· ADR, ADN, IMDG, IATA	Void	
· 14.2 UN proper shipping name		
$\cdot ADR$	Void	
· ADN, IMDG, IATA	Void	



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· 14.3 Transport hazard class(es)		
· ADR, ADN, IMDG, IATA		
· Class	Void	
· 14.4 Packing group		
· ADR, IMDG, IATA	Void	
· 14.5 Environmental hazards:	Not applicable.	
· 14.6 Special precautions for user	Not applicable.	
· 14.7 Transport in bulk according to Anne	x II of	
MARPOL73/78 and the IBC Code	Not applicable.	
· Transport/Additional information:	Not classified as dangerous in the meaning of transpor regulations	
· UN "Model Regulation":	-	

SECTION 15: Regulatory information

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

· National regulations:

• Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H315 Causes skin irritation.

- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

• Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

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