

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/31/2015

Version No. 3

Reviewed on 03/30/2015

1 Identification

- **Trade name:** UZIN NC 182
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Low-Slump Repair Mortar
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Manufacturer:
 UZIN UTZ AG
 Dieselstrasse 3
 D-89079 Ulm
 Germany
 Tel.: +49 (0)731 4097-0
 Fax: +49 (0)731 4097-110
- Supplier:
 UFLOOR Systems Inc.
 14509 E. 33rd. Place, Unit G
 Aurora, CO 80011
 Phone: +720-374-4810
 Toll-Free: +1 866-505-4810
 Fax: +1 720-374-2113
- **Information department:**
 Product safety department
 email: msds.info@uzin-utz.com
- **Emergency telephone number:**
 For Chemical Emergency Spill Leak Fire Exposure or Accident
 Call CHEMTREC Day or Night: DOMESTIC NORTH AMERICA 800-424-9300
 International, call +49 621 60 43 333

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.

- **Information concerning particular hazards for human and environment:**
 The product has to be labeled due to the calculation procedure of international guidelines.

-
- **Label elements**
 - **GHS label elements**
 The product is classified and labeled according to the Globally Harmonized System (GHS).
 - **Hazard pictograms** GHS05
 - **Signal word** Danger
 - **Hazard-determining components of labeling:**
 Portland cement
 - **Hazard statements**
 Causes serious eye damage.
 - **Precautionary statements**
 Keep out of reach of children.
 Avoid breathing dust.
 Wear protective gloves / eye protection.
 If on skin: Wash with plenty of soap and water.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing.

(Contd. on page 2)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/31/2015

Version No. 3

Reviewed on 03/30/2015

Trade name: UZIN NC 182

(Contd. of page 1)

If eye irritation persists: Get medical advice/attention.

· **NFPA ratings (scale 0 - 4)**



Health = 2
Fire = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



HEALTH 2 Health = 2
FIRE 0 Fire = 0
REACTIVITY 0 Reactivity = 0

· **Other hazards**

NFPA Rating Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe.

NFPA is the National Fire Protection Association.

HMIS Rating Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe.

HMIS®, the Hazardous Materials Identification System, is a registered mark of the National Paint and Coatings Association (NPCA).

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

14808-60-7	Quartz (SiO ₂) ☠ Carc. 1A, H350	25-50%
65997-15-1	Portland cement ☠ Xi R37/38-41 ☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; STOT SE 3, H335	5 - <10%

· **Additional information:**

For the wording of the listed risk phrases refer to section 16.

The amount of respirable crystalline silica is less than 0.1 %.

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** Do not induce vomiting; immediately call for medical help.

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/31/2015

Version No. 3

Reviewed on 03/30/2015

Trade name: UZIN NC 182

(Contd. of page 2)

- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear dust mask.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **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.

7 Handling and storage

- **Precautions for safe handling**
Keep out of the reach of children.
Prevent formation of dust.
Wear suitable protective clothing, gloves and eye/face protection.
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes and skin.
Rinse tools with water and soap immediately after use.
Wash hands before breaks and at the end of work.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store in dry conditions.
Protect from humidity and water.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

Components with limit values that require monitoring at the workplace:

14808-60-7 Quartz (SiO₂)

PEL	see Quartz listing
REL	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m ³ *as respirable fraction

65997-15-1 Portland cement

PEL	Long-term value: 50 mppcf or 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 1* mg/m ³ E; *as respirable fraction

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/31/2015

Version No. 3

Reviewed on 03/30/2015

Trade name: UZIN NC 182

(Contd. of page 3)

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Prevent formation of dust.
 - Wear suitable protective clothing, gloves and eye/face protection.
 - Keep away from foodstuffs, beverages and feed.
 - Avoid contact with the eyes and skin.
 - Do not eat, drink, smoke or sniff while working.
 - Wash hands before breaks and at the end of work.
- **Breathing equipment:**
 - Not required.
 - When mixing wear suitable NIOSH-approved dust respirator.
 - Thorough ventilation should be ensured during and after the installation and drying time of the product.
- **Protection of hands:**



Use nitrile impregnated cotton-gloves

- **Material of gloves** Nitrile impregnated cotton-gloves
- **Penetration time of glove material**
 - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Solid
Color:	Grey
Odor:	Light
- **pH-value at 20 °C (68 °F):** 11
- **Change in condition**
 - Melting point/Melting range: Undetermined.
 - Boiling point/Boiling range: Undetermined.
- **Flash point:** Not applicable.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density:** Not determined.
- **Solubility in / Miscibility with**

Water:	Insoluble.
	Sets with water.
- **Other information** No further relevant information available.

* 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/31/2015

Version No. 3

Reviewed on 03/30/2015

Trade name: UZIN NC 182

(Contd. of page 4)

- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Specific symptoms in biological assay:**
- **Primary route(s) of entry:** Inhalation, skin contact, eye contact.
- **Primary irritant effect:**
- **on the skin:** Slightly irritant effect may occur.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:**
No sensitizing effects known.
Low in Chromate (< 2 ppm) acc. Regulation (EC) No 1907/2006 (REACH).
- **Subacute to chronic toxicity:**
The amount of respirable cristalline silica is less than 0.1 %.
Respirable crystalline silica (quartz) may cause a severe lung disease named silicosis. Symptoms of silicosis may be a shortness of breath, fever or cough. Silicosis is reported to increase the risk of carcinogenicity caused by continuous inhalation of respirable crystalline silica. Though the product itself does not contain respirable crystalline silica, respirable silica may be generated from working procedures such as grinding e.g. In general, inhalation of silica dust should be avoided. Therefore, for your own safety wear a suitable NIOSH-approved respirator in all occasions when handling of the product generates dust.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Corrosive
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

14808-60-7	Quartz (SiO ₂)	I
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- **NTP (National Toxicology Program)**

14808-60-7	Quartz (SiO ₂)	K
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- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.		
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12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Do not allow product to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

USA

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/31/2015

Version No. 3

Reviewed on 03/30/2015

Trade name: UZIN NC 182

(Contd. of page 5)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Do not allow product to reach sewage system.
Mix product residues with water, allow to harden, then dispose of as construction waste.
- **Uncleaned packagings:**
- **Recommendation:** Empty paper packaging is recyclable.

14 Transport information

- | | |
|--|-----------------|
| · DOT, ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name | |
| · DOT, ADR, ADN, IMDG, IATA | Void |
| · DOT, ADN, IMDG, IATA | |
| · Class | Void |
| · DOT, IMDG, IATA | Void |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport/Additional information: Not regulated as hazardous material according to the above specifications. | |
| · UN "Model Regulation": | - |

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- SARA (Superfund Amendments and Reauthorization Act)

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65 (California)

· Chemicals known to cause cancer:

14808-60-7 Quartz (SiO₂)

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Cancerogenity categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/31/2015

Version No. 3

Reviewed on 03/30/2015

Trade name: UZIN NC 182

(Contd. of page 6)

· TLV (Threshold Limit Value established by ACGIH)		
14808-60-7	Quartz (SiO ₂)	A2

· NIOSH-Ca (National Institute for Occupational Safety and Health)		
14808-60-7	Quartz (SiO ₂)	

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms** GHS05

- **Signal word** Danger

- **Hazard-determining components of labeling:**

Portland cement

- **Hazard statements**

Causes serious eye damage.

- **Precautionary statements**

Keep out of reach of children.

Avoid breathing dust.

Wear protective gloves / eye protection.

If on skin: Wash with plenty of soap and water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

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.

- **Department issuing SDS:** Product safety department

- **Contact:**

USA: Daniel Gill, phone + 1 720-374-4810

Germany: Dr. Zieger, phone +49 731.409.7207

- **Date of preparation / last revision** 03/31/2015 / 2

- **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

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

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

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

Carc. 1A: Carcinogenicity, Hazard Category 1A

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

- *** Data compared to the previous version altered.**