

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/24/2023

Version No. 7

Reviewed on 05/24/2023

## 1 Identification

- **Trade name:** UZIN PE 280
- **Application of the substance / the mixture** Super-fast dispersion-based primer
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 Manufacturer:  
 UZIN UTZ SE  
 Dieselstrasse 3  
 D-89079 Ulm  
 Germany  
 Tel.: +49 (0)731 4097-0  
 Fax: +49 (0)731 4097-110
- **Supplier:**  
 Uzin Utz North America, 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  
 phone: 720-373-4810  
 email: [safety.us@uzin-utz.com](mailto:safety.us@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**  
 The product is not classified, according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Information pertaining to particular dangers for man and environment:**
- **NFPA ratings (scale 0 - 4)**



Health = 1  
 Flammability = 0  
 Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 1  
 Flammability = 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).

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- **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.

#### · Hazardous ingredients:

CAS: 14808-60-7	Quartz (crystalline silica) ☠ Carcinogenicity 1A, H350; Specific Target Organ Toxicity - Repeated Exposure 1, H372	5-<10%
CAS: 13463-67-7	Titanium dioxide ☠ Carcinogenicity 2, H351	1-<3%

#### · Additional information:

This product contains crystalline silica (quartz sand) which has been classified by IARC as a Group 1 carcinogen (human carcinogen). Evidence is based on the chronic and long-term exposure workers have had to respirable sized crystalline silica dust particles. This product is used in liquid form only and therefore does not pose a dust hazard / carcinogen hazard during its use. However, 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.

The exact percentages of the ingredients have been withheld by the manufacturer as trade secrets.  
For the wording of the listed hazard phrases refer to section 16.

### 4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Information for doctor:**
- **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:**  
CO<sub>2</sub> 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
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information:** Flash point : Not applicable

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## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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.
- **Protective Action Criteria for Chemicals**

### · PAC-1:

CAS: 14808-60-7	Quartz (crystalline silica)	0.075 mg/m <sup>3</sup>
CAS: 13463-67-7	Titanium dioxide	30 mg/m <sup>3</sup>

### · PAC-2:

CAS: 14808-60-7	Quartz (crystalline silica)	33 mg/m <sup>3</sup>
CAS: 13463-67-7	Titanium dioxide	330 mg/m <sup>3</sup>

### · PAC-3:

CAS: 14808-60-7	Quartz (crystalline silica)	200 mg/m <sup>3</sup>
CAS: 13463-67-7	Titanium dioxide	2,000 mg/m <sup>3</sup>

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Avoid contact with the eyes and skin.  
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:**  
Keep receptacle tightly sealed.  
Protect from frost.
- **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:**  
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.  
At this time, the remaining constituent has no known exposure limits.

### CAS: 14808-60-7 Quartz (crystalline silica)

PEL	Long-term value: 0.05* mg/m <sup>3</sup> *resp. dust; 30mg/m <sup>3</sup> /%SiO <sub>2</sub> +2	
REL	Long-term value: 0.05* mg/m <sup>3</sup> *respirable dust; See Pocket Guide App. A	

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TLV	Long-term value: 0.025* mg/m <sup>3</sup> *respirable particulate matter, A2
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- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.  
Avoid contact with the eyes and skin.  
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**



PVC or PE gloves

- **Material of gloves** PVC or PE 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:	Fluid
Color:	Light brown
Odor:	Light
Odor threshold:	Not determined.

- **pH-value at 20 °C (68 °F):** 7.5-8.5

- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

- **Flash point:** >100 °C (>212 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Decomposition temperature:** Not determined.

- **Ignition temperature:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

- **Vapor pressure:** Not determined.

- **Density at 20 °C (68 °F):** 1 g/cm<sup>3</sup> (8.35 lbs/gal)

- **Relative density** Not determined.

- **Vapor density** Not determined.

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- |   |  |
|---|--|
| · <b>Evaporation rate</b>                         | Not determined.                            |
| · <b>Solubility in / Miscibility with Water:</b>  | Dispersible.                               |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                            |
| · <b>Viscosity:</b>                               |  |
| <b>Dynamic:</b>                                   | Not determined.                            |
| <b>Kinematic:</b>                                 | Not determined.                            |
| · <b>Other information</b>                        | No further relevant information available. |

## 10 Stability and reactivity

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

#### · LD/LC50 values that are relevant for classification:

**CAS: 13463-67-7 Titanium dioxide**

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

#### · Specific symptoms in biological assay:

· **Primary route(s) of entry:** Skin contact, eye contact, ingestion.

#### · Primary irritant effect:

· **on the skin:** No irritant effect.

· **on the eye:** No irritant effect.

· **Sensitization:** No sensitizing effects known.

#### · Subacute to chronic toxicity:

This product contains crystalline silica (quartz sand) which has been classified by IARC as a Group 1 carcinogen (human carcinogen). Evidence is based on the chronic and long-term exposure workers have had to respirable sized crystalline silica dust particles. This product is used in liquid form only and therefore does not pose a dust hazard / carcinogen hazard during its use. However, 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:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

#### · Carcinogenic categories

#### · IARC (International Agency for Research on Cancer)

CAS: 14808-60-7	Quartz (crystalline silica)	I
CAS: 13463-67-7	Titanium dioxide	2B

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· <b>NTP (National Toxicology Program)</b>	
CAS: 14808-60-7 Quartz (crystalline silica)	K
· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>	
None of the ingredients is listed.	

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **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.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Do not allow product to reach sewage system.  
Absorb smaller quantities with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust), allow to harden, then dispose of as construction waste.  
Dispose of bigger amounts in accordance with Local Authority requirements.
- **Uncleaned packagings:**
- **Recommendation:**  
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

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

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· UN "Model Regulation": Void

## 15 Regulatory information

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

· EPCRA Section 302 (Extremely Hazardous Substances):
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None of the ingredient is listed.
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· SARA Title III Section 313 (Toxic Release Inventory - TRI):
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None of the ingredients is listed.
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· TSCA (Toxic Substances Control Act):
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All components have the value ACTIVE.
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· Hazardous Air Pollutants
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None of the ingredients is listed.
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· Proposition 65 (California)
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· Chemicals known to cause cancer:
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Crystalline silica (quartz) is classified as a substance known to the State of California to be a carcinogen.
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CAS: 14808-60-7	Quartz (crystalline silica)
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CAS: 13463-67-7	Titanium dioxide
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· Chemicals known to cause reproductive toxicity for females:
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None of the ingredients is listed.
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· Chemicals known to cause reproductive toxicity for males:
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None of the ingredients is listed.
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· Chemicals known to cause developmental toxicity:
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None of the ingredients is listed.
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· Carcinogenicity categories
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· EPA (Environmental Protection Agency)
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None of the ingredients is listed.
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· TLV (Threshold Limit Value)
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CAS: 14808-60-7	Quartz (crystalline silica)	A2
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CAS: 13463-67-7	Titanium dioxide	A4
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· NIOSH-Ca (National Institute for Occupational Safety and Health)
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CAS: 14808-60-7	Quartz (crystalline silica)
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CAS: 13463-67-7	Titanium dioxide
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## 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
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H350 May cause cancer.
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H351 Suspected of causing cancer.
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H372 Causes damage to organs through prolonged or repeated exposure.
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· Department issuing SDS: Product safety department
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· Contact:
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Product safety department
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phone: 720-373-4810
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email: safety.us@uzin-utz.com
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· **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 relatif au transport international 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*

*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)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*NIOSH: National Institute for Occupational Safety*

*OSHA: Occupational Safety & Health*

*TLV: Threshold Limit Value*

*PEL: Permissible Exposure Limit*

*REL: Recommended Exposure Limit*

*Carcinogenicity 1A: Carcinogenicity – Category 1A*

*Carcinogenicity 2: Carcinogenicity – Category 2*

*Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1*

· **\* Data compared to the previous version altered.**

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