

## Safety Data Sheet

### VITAPM Investment

Revision date: 01.03.2017

Product code: 183-US

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## 1. Identification

### Product identifier

VITAPM Investment

### Further trade names

Einbettmasse für Presskeramik, Investment for pressable ceramics, Revêtement pour céramique pressable, Revestimiento para cerámica inyectada, Rivestimento per ceramica a pressione

### Recommended use of the chemical and restrictions on use

#### Use of the substance/mixture

Use as laboratory reagent

### Details of the supplier of the safety data sheet

Company name: VITA Zahnfabrik H. Rauter GmbH & Co. KG

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79704 Bad Säckingen

Telephone: +49(0)7761-562-0

Telefax: +49(0)7761-562-299

e-mail: info@vita-zahnfabrik.com

Internet: www.vita-zahnfabrik.com

Emergency phone number: +49-(0)761-19240

## 2. Hazard(s) identification

### Classification of the chemical

#### **GB 30000-2013**

Hazard categories:

Specific target organ toxicity repeated or prolonged exposure: STOT RE 1

Hazard Statements:

Causes damage to organs through prolonged or repeated exposure

### Label elements

#### **GB 30000-2013**

**Signal word:** Danger

**Pictograms:**



### Hazard statements

Causes damage to organs through prolonged or repeated exposure

### Precautionary statements

Do not breathe dust/fume/gas/mist/vapors/spray.

Do not eat, drink or smoke when using this product.

### Hazards not otherwise classified

No information available.

## 3. Composition/information on ingredients

### Mixtures

#### Hazardous components

CAS No	Components	Quantity
14808-60-7	Quarz alveolgängig	45 %

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## 4. First-aid measures

### Description of first aid measures

#### General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

#### After inhalation

Provide fresh air.

#### After contact with skin

Wash with plenty of water. Immediately remove any contaminated clothing, shoes or stockings.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

#### After ingestion

Rinse mouth immediately and drink plenty of water.

### Most important symptoms and effects, both acute and delayed

No information available.

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## 5. Fire-fighting measures

### Extinguishing media

#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

### Specific hazards arising from the chemical

Non-flammable.

### Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

### Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

### Environmental precautions

Do not allow to enter into surface water or drains.

### Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

### Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## 7. Handling and storage

### Precautions for safe handling

#### Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe

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gas/fumes/vapour/spray.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

#### Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations.

##### Advice on storage compatibility

No special measures are necessary.

### 8. Exposure controls/personal protection

#### Control parameters

#### Exposure limits

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
1309-48-4	Magnesium oxide fume Total Particulate	-	15		TWA (8 h)	PEL
14808-60-7	Silica, crystalline (as respirable dust)	-	0.05		TWA (8 h)	REL
14464-46-1	Silica, crystalline cristobalite, respirable dust	(Z-3)	(Z-3)		TWA (8 h)	PEL
14808-60-7	Silica, crystalline quartz, respirable dust	(Z-3)	(Z-3)		TWA (8 h)	PEL

#### Exposure controls



##### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

##### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

##### Eye/face protection

Dust protection eye glasses

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Recommended glove articles KCL Dermatril P NBR (Nitrile rubber)

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

Avoid generation of dust. In case of inadequate ventilation wear respiratory protection. FFP2 /FFP3 If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

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## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	Powder	
Color:	whitish	
Odor:	characteristic	
pH-Value:		not determined

### **Changes in the physical state**

Melting point/freezing point:		not determined
Initial boiling point and boiling range:		?
Flash point:		X

### **Flammability**

Solid:		not applicable
Gas:		not applicable
Lower explosion limits:		not determined
Upper explosion limits:		not determined

### **Auto-ignition temperature**

Solid:		not applicable
Gas:		not applicable
Decomposition temperature:		not determined

### **Oxidizing properties**

Not oxidizing.		
Vapor pressure: (at 50 °C)		<=1100 hPa
Density:		2,36050 g/cm³
Water solubility:		No

### **Solubility in other solvents**

not determined		
Partition coefficient:		not determined
Vapor density:		not determined
Evaporation rate:		not determined

### Other information

Solid content:		100,0 %
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## 10. Stability and reactivity

### Reactivity

No hazardous reaction when handled and stored according to provisions.

### Chemical stability

The product is stable under storage at normal ambient temperatures.

### Possibility of hazardous reactions

No known hazardous reactions.

### Conditions to avoid

none

### Incompatible materials

No information available.

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#### Hazardous decomposition products

No known hazardous decomposition products.

### 11. Toxicological information

#### Information on toxicological effects

##### **Acute toxicity**

Based on available data, the classification criteria are not met.

##### **Irritation and corrosivity**

Based on available data, the classification criteria are not met.

##### **Sensitizing effects**

Based on available data, the classification criteria are not met.

##### **Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

##### **Specific target organ toxicity (STOT) - single exposure**

Based on available data, the classification criteria are not met.

##### **Specific target organ toxicity (STOT) - repeated exposure**

Causes damage to organs through prolonged or repeated exposure (Quarz alveolngängig)

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): Silica dust, crystalline, in the form of quartz or cristobalite (CAS 14808-60-7) is listed in group 1.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

##### **Aspiration hazard**

Based on available data, the classification criteria are not met.

##### **Additional information on tests**

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

### 12. Ecological information

#### Ecotoxicity

The product is not: Ecotoxic.

#### Persistence and degradability

The product has not been tested.

#### Bioaccumulative potential

The product has not been tested.

#### Mobility in soil

The product has not been tested.

#### Other adverse effects

No information available.

#### **Further information**

Avoid release to the environment.

### 13. Disposal considerations

#### Waste treatment methods

##### **Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

##### **Contaminated packaging**

Waste codes/waste designations according to EWC/AVV

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#### 14. Transport information

##### Marine transport (IMDG)

**UN number:** No dangerous good in sense of this transport regulation.  
**UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**Packing group:** No dangerous good in sense of this transport regulation.

##### Air transport (ICAO-TI/IATA-DGR)

**UN number:** No dangerous good in sense of this transport regulation.  
**UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**Packing group:** No dangerous good in sense of this transport regulation.

##### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

##### Special precautions for user

No information available.

##### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

#### 15. Regulatory information

##### U.S. Regulations

###### National regulatory information

SARA Section 311/312 Hazards:

Quarz alveolgängig (14808-60-7): Immediate (acute) health hazard, Delayed (chronic) health hazard

###### State Regulations

###### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

#### 16. Other information

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##### Abbreviations and acronyms

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 Harmonized 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  
 LC50: Lethal concentration, 50%  
 LD50: Lethal dose, 50%

##### Other data

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*