

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 02.02.2016

Version: 6

Revision: 02.02.2016

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Alpha OKM
- **Article number:** 629250-1
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Auxiliary for dental technology
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Schütz Dental GmbH, Dieselstrasse 5-6, D-61191 Rosbach v.d.H. (Germany)  
Tel.: +49 (0)6003/814-0 Fax: +49 (0)6003/814-900  
www.schuetz-dental.de; e-mail: info@schuetz-dental.de
- **Further information obtainable from:** F&E, Tel. +49 (0)6003/814-100
- **1.4 Emergency telephone number:**  
+49 (0) 6003 8140 Schütz Dental (8:00 - 17:00 Uhr) or  
+49 (0) 6131 19240 Poison Information Center, University Mainz (24 h)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture consisting of the following components.

· **Dangerous components:**

CAS: 1314-23-4 EINECS: 215-227-2	zirconium dioxide	substance with a Community workplace exposure limit	50-75%
CAS: 60676-86-0 EINECS: 262-373-8	Silica, vitreous	substance with a Community workplace exposure limit	25-50%
CAS: 1344-28-1 EINECS: 215-691-6	aluminium oxide	substance with a Community workplace exposure limit	2,5-10%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Rinse nose and throat thoroughly with water.
- **After skin contact**  
Generally the product does not irritate the skin.  
Rubbing on skin may lead irritation
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

(Contd. on page 2)

GB

# Safety data sheet

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**Trade name: Alpha OKM**

(Contd. of page 1)

- **After swallowing** Rinse out mouth and then drink plenty of water.
- **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 fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **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**  
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **6.4 Reference to other sections**  
No dangerous substances are released.  
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**  
Prevent formation of dust.  
Ensure that suitable extractors are available on processing machines
- **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:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in dry conditions.
- **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:**

#### 1314-23-4 zirconium dioxide

WEL Short-term value: 10 mg/m<sup>3</sup>  
Long-term value: 5 mg/m<sup>3</sup>  
as Zr

#### 60676-86-0 Silica, vitreous

WEL Long-term value: 0.08 mg/m<sup>3</sup>  
fused respirable dust

(Contd. on page 3)

# Safety data sheet

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Version: 6

Revision: 02.02.2016

**Trade name: Alpha OKM**

(Contd. of page 2)

**1344-28-1 aluminium oxide**

WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
 \*inhalable dust \*\*respirable dust

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures** Do not inhale dust / smoke / mist.
- **Respiratory protection:**  
 Not necessary if room is well-ventilated.  
 Use suitable respiratory protective device in case of insufficient ventilation.  
 Dust protective mask  
 Filter P2.
- **Protection of hands:** Protective gloves.
- **Material of gloves** Natural rubber, NR
- **Penetration time of glove material**  
 0,1 - 0,2 mm  
 Penetration time: 5 min.
- **Eye protection:** Safety glasses

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

Form: Powder

Colour: White

· Odour: Odourless

· Odour threshold: Not determined.

· pH-value: Not applicable.

##### · Change in condition

Melting point/Melting range: undetermined

Boiling point/Boiling range: undetermined

· Flash point: Not applicable

· Flammability (solid, gaseous) Not determined.

· Ignition temperature: 370 °C

· Decomposition temperature: Not determined.

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

##### · Explosion limits:

Lower: Not determined.

Upper: Not determined.

· Vapour pressure: Not applicable.

· Density at 20 °C: 3.8 g/cm<sup>3</sup>

· Relative density Not determined.

· Vapour density Not applicable.

· Evaporation rate Not applicable.

##### · Solubility in / Miscibility with

Water: Insoluble

(Contd. on page 4)

**Safety data sheet**  
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**Trade name: Alpha OKM**

(Contd. of page 3)

- |   |  |
|---|--|
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                            |
| · <b>Viscosity:</b>                               |  |
| dynamic:  | Not applicable.                            |
| kinematic:  | Not applicable.                            |
| · <b>Solvent content:</b>                         |  |
| Organic solvents:                                 | 0,0 %                                      |
| Solids content:                                   | 100,0 %                                    |
| · <b>9.2 Other information</b>                    | No further relevant information available. |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **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:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### 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:** Generally not hazardous for water.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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(Contd. on page 5)

**Trade name: Alpha OKM**

(Contd. of page 4)

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

### · *Recommendation*

*On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.*

*Smaller quantities can be disposed of with household waste.*

· *European waste catalogue*

06 13 99	wastes not otherwise specified
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- **Uncleaned packaging:**

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

## SECTION 14: Transport information

### · 14.1 UN-Number

· <b>ADR, ADN, IMDG, IATA</b>	<i>Void</i>
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### · 14.2 UN proper shipping name

· <b>ADR, ADN, IMDG, IATA</b>	Void
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### · 14.3 Transport hazard class(es)

- *ADR, ADN, IMDG, IATA*
- *Class* *Void*

#### · 14.4 Packing group

· <i>ADR, IMDG, IATA</i>	<i>Void</i>
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### · 14.5 Environmental hazards:

· **Marine pollutant:** *No*

#### · 14.6 Special precautions for user

*Not applicable.*

#### ***14.7 Transport in bulk according to Annex II of Marpol and the IBC Code***

*Not applicable.*

· **UN "Model Regulation":**

*Void*

## SECTION 15: Regulatory information

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

· *Directive 2012/18/EU*

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

• *National regulations*

· **Waterhazard class:** *Generally not 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.*

· **Department issuing MSDS:** Schütz Dental GmbH

• **Contact:** Dr. U. Krichbaum

• **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)

(Contd. on page 6)

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(Contd. of page 5)

*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)**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative***. \* Data compared to the previous version altered.**

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