

Trade name: Polishing compounds

Current version : 1.0.1, issued: 08.05.2012

Replaced version: 1.0.1, issued: 09.03.2012

Region: GB

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

### 1.1 Product identifier

Trade name

**Polishing compounds**

**(REF: 52310, 52311, 52320, 52330, 52340)**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture

Manufacturing of dental prosthesis in a dental laboratory

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

Address

BEGO Bremer Goldschlägerei

Wilh. Herbst GmbH & Co. KG

Wilhelm-Herbst-Str. 1

28359 Bremen

Telephone no. +49/ 421/ 2028 – 0

Fax no. +49/ 421/ 2028 – 115

Information provided by / telephone

Research & Development Department - Materials, alloys and ceramics; +49/ 421/ 2028 – 130 (Chief Development Officer alloys)

Advice on Safety Data Sheet

msds@bego.com

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49/ 551/ 192 40 (Giftinformationszentrum Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification information

This product does not meet the classification and labelling criteria given in the Dangerous Preparations Directive (1999/45/EC; DPD)

### 2.2 Label elements

Not relevant

### 2.3 Other hazards

PBT assessment

No data available.

vPvB assessment

No data available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

Chemical characterization

Aluminium- and siliciumoxide bonded in selected fats and waxes

Hazardous ingredients

This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II.

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

If the patient is likely to become unconscious, place and transport in stable sideways position. In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

#### After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Summon a doctor immediately.

#### After skin contact

Wash off immediately with soap and water.

#### After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

#### After ingestion

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Let plenty of water be drunk in small gulps. Summon a doctor immediately.

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

No data available.

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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide; extinguishing powder; Water spray jet; Foam

#### Unsuitable extinguishing media

Full water jet

### 5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide

### 5.3 Advice for firefighters

Adapt extinguisher and fire-fighting measures to fire in the environment. Use self-contained breathing apparatus. Wear protective clothing.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Avoid dust formation. Refer to protective measures listed in sections 7 and 8.

#### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

### 6.3 Methods and material for containment and cleaning up

Take up mechanically. Avoid raising dust. When picked up, treat material as prescribed under heading "Disposal considerations".

### 6.4 Reference to other sections

No data available.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Keep container tightly closed.

#### General protective and hygiene measures

Wash hands before breaks and after work. Do not eat, drink or smoke during work time. Remove soiled or soaked clothing immediately. Do not inhale dust. Keep away from foodstuffs and beverages.

#### Advice on protection against fire and explosion

No special measures necessary.

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

#### Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

#### Recommended storage temperature

Value < 40 °C

#### Requirements for storage rooms and vessels

Keep only in the original container.

#### Advice on storage assembly

Do not store together with: explosive substances

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

| No | Substance name  | CAS no. | EC no.            |
|----|---|---------|-------------------|
| 1  | Dust  |         |                   |
|    | <b>List of approved workplace exposure limits (WELs) / EH40</b> |         |                   |
|    | total inhalable dust  |         |                   |
|    | TWA   | 10      | mg/m <sup>3</sup> |
|    | <b>List of approved workplace exposure limits (WELs) / EH40</b> |         |                   |
|    | respirable dust   |         |                   |
|    | TWA   | 4       | mg/m <sup>3</sup> |

### 8.2 Exposure controls

#### Appropriate engineering controls

No data available.

#### Personal protective equipment

##### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

##### Eye / face protection

Safety glasses with side protection shield (EN 166)

##### Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

##### Other

Normal chemical work clothing.

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**Environmental exposure controls**  
No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |           |
|--|-----------|
| <b>Form/Colour</b>                               |           |
| solid  |           |
| white; brown; green; yellow; blue                |           |
| <b>Odour</b>                                     |           |
| specific   |           |
| <b>Odour threshold</b>                           |           |
| No data available                                |           |
| <b>pH value</b>                                  |           |
| No data available                                |           |
| <b>Boiling point / boiling range</b>             |           |
| Value  | > 150 °C  |
| <b>Melting point / melting range</b>             |           |
| Value  | > 40 °C   |
| <b>Decomposition point / decomposition range</b> |           |
| No data available                                |           |
| <b>Flash point</b>                               |           |
| Value  | > 150 °C  |
| <b>Auto-ignition temperature</b>                 |           |
| No data available                                |           |
| <b>Oxidising properties</b>                      |           |
| No data available                                |           |
| <b>Explosive properties</b>                      |           |
| No data available                                |           |
| <b>Flammability (solid, gas)</b>                 |           |
| No data available                                |           |
| <b>Lower flammability or explosive limits</b>    |           |
| No data available                                |           |
| <b>Upper flammability or explosive limits</b>    |           |
| No data available                                |           |
| <b>Vapour pressure</b>                           |           |
| No data available                                |           |
| <b>Vapour density</b>                            |           |
| No data available                                |           |
| <b>Evaporation rate</b>                          |           |
| No data available                                |           |
| <b>Relative density</b>                          |           |
| No data available                                |           |
| <b>Density</b>                                   |           |
| Value  | > 1 kg/l  |
| <b>Solubility in water</b>                       |           |
| Remarks  | insoluble |

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|                        |
|------------------------|
| <b>Solubility(ies)</b> |
|------------------------|

|                   |
|-------------------|
| No data available |
|-------------------|

|   |
|---|
| <b>Partition coefficient: n-octanol/water</b> |
|---|

|                   |
|-------------------|
| No data available |
|-------------------|

|                  |
|------------------|
| <b>Viscosity</b> |
|------------------|

|                   |
|-------------------|
| No data available |
|-------------------|

## 9.2 Other information

|                          |
|--------------------------|
| <b>Other information</b> |
|--------------------------|

|                    |
|--------------------|
| No data available. |
|--------------------|

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

No data available.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

None, if handled according to order.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

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**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

|   |
|---|
| <b>Acute oral toxicity</b>  |
| No data available   |
| <b>Acute dermal toxicity</b>  |
| No data available   |
| <b>Acute inhalational toxicity</b>  |
| No data available   |
| <b>Skin corrosion/irritation</b>  |
| No data available   |
| <b>Serious eye damage/irritation</b>  |
| No data available   |
| <b>Respiratory or skin sensitisation</b>  |
| No data available   |
| <b>Germ cell mutagenicity</b>   |
| No data available   |
| <b>Reproduction toxicity</b>  |
| No data available   |
| <b>Carcinogenicity</b>  |
| No data available   |
| <b>STOT-single exposure</b>   |
| No data available   |
| <b>STOT-repeated exposure</b>   |
| No data available   |
| <b>Aspiration hazard</b>  |
| No data available   |
| <b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>                       |
| Contact with the skin and eyes may cause mechanical irritation. Inhalation of dusts may irritate the respiratory tract. |

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## SECTION 12: Ecological information

### 12.1 Toxicity

|                          |
|--------------------------|
| <b>Fish toxicity</b>     |
| No data available        |
| <b>Daphnia toxicity</b>  |
| No data available        |
| <b>Algae toxicity</b>    |
| No data available        |
| <b>Bacteria toxicity</b> |
| No data available        |

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

|   |                    |
|---|--------------------|
| <b>Results of PBT and vPvB assessment</b> |                    |
| PBT assessment                            | No data available. |
| vPvB assessment                           | No data available. |

### 12.6 Other adverse effects

No data available.

### 12.7 Other information

|  |
|--|
| <b>Other information</b>                                   |
| Do not discharge product unmonitored into the environment. |

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

#### Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

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## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

No data available.

### 14.6 Special precautions for user

No data available.

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

Not relevant

## SECTION 15: Regulatory information

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

#### EU regulations

##### Restriction of occupation

Adhere to the national sanitary and occupational safety regulations when using this product.

##### Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks

Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

### 15.2 Chemical safety assessment

No data available.

## SECTION 16: Other information

#### Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EC

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

#### Department issuing safety data sheet

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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.