

**Trade name:** Rubber polisher (REF 43310)

**Current version :** 4.0.0, issued: 29.08.2025

**Replaced version:** 3.0.0, issued: 19.07.2022

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**Rubber polisher (REF 43310)**

**Rubber polishing wheels (REF 43310, 43330)**

**Rubber polishing tips (REF 43350, 43370)**

**Knife-edge rubber polishing wheels (REF 43390, 43410)**

**WiroFlex (REF 43311)**

### 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

**Uses advised against**

No data available.

### 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

e-mail msds@bego.com

**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 (0)551 192 40 (Giftinformationszentrum Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification information**

This product is an article in the sense of Article 3 of Regulation (EC) 1907/2006 (REACH) and is not subject to labelling according to Article 1, Regulation (EC) 1272/2008 (CLP).

Provision of a safety data sheet is not mandatory for articles according to Article 31 of Regulation (EC) 1907/2006 (REACH) and is done on a voluntary basis.

### 2.2 Label elements

Not relevant

### 2.3 Other hazards

Dust and vapours, which may present a health hazard, may be generated during use.

PBT assessment

No data available.

vPvB assessment

No data available.

## SECTION 3: Composition/information on ingredients

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Not applicable. The product is not a substance.

**3.2 Mixtures****Hazardous ingredients**

| No | Substance name                  |                                     | Additional information |     |
|----|---------------------------------|-------------------------------------|------------------------|-----|
|    | CAS / EC / Index / REACH no     | Classification (EC) 1272/2008 (CLP) | Concentration          | %   |
| 1  | silicon-carbide                 |                                     |                        |     |
|    | 409-21-2<br>206-991-8<br>-<br>- | -                                   | >= 5.00 - < 10.00      | wt% |

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

The information on first aid refer to the possible resulting dust. In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

**After inhalation**

Ensure supply of fresh air. Remove affected person from the immediate area. Call a doctor immediately.

**After skin contact**

Wash off 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 the mouth thoroughly with water. Never give anything by mouth to an unconscious person. Let plenty of water be drunk in small gulps. Call 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**

Foam; Water spray jet; Carbon dioxide; Extinguishing powder

**Unsuitable extinguishing media**

High power water jet

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

None known.

**5.3 Advice for firefighters**

Use self-contained breathing apparatus. Wear protective clothing. Product itself does not burn. Adapt extinguisher and fire-fighting measures to fire in the environment.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

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

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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**

Collect mechanically. Avoid raising dust. When collected, handle material as described under the section heading "Disposal considerations".

**6.4 Reference to other sections**

No data available.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Advice on safe handling**

Provide good ventilation at the work area (local exhaust ventilation, if necessary).

**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. Keep away from foodstuffs and beverages. Do not inhale dust.

**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**

No special measures necessary.

**Requirements for storage rooms and vessels**

No special measures required.

**Incompatible products**

Do not store together with: explosive substances; oxidizing agents

**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                                                               | silicon-carbide                           | 409-21-2 | 206-991-8         |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |                                           |          |                   |
| Silicon carbide (not whiskers)                                  |                                           |          |                   |
| total inhalable dust                                            |                                           |          |                   |
|                                                                 | WEL long-term (8-hr TWA reference period) | 10       | mg/m <sup>3</sup> |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |                                           |          |                   |
| Silicon carbide (not whiskers)                                  |                                           |          |                   |
| respirable dust                                                 |                                           |          |                   |
|                                                                 | WEL long-term (8-hr TWA reference period) | 4        | mg/m <sup>3</sup> |

**8.2 Exposure controls****Appropriate engineering controls**

No data available.

**Personal protective equipment****Respiratory protection**

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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 that workplace threshold values are not specified.

**Eye / face protection**

Safety glasses with side protection shield (EN 166)

**Hand protection**

No special measures required.

**Other**

Normal chemical work clothing.

**Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|                                      |       |
|--------------------------------------|-------|
| <b>State of aggregation</b>          |       |
| solid                                |       |
| <b>Form</b>                          |       |
| solid                                |       |
| <b>Colour</b>                        |       |
| green; black; grey                   |       |
| <b>Odour</b>                         |       |
| odourless                            |       |
| <b>pH value</b>                      |       |
| No data available                    |       |
| <b>Boiling point / boiling range</b> |       |
| No data available                    |       |
| <b>Melting point/freezing point</b>  |       |
| No data available                    |       |
| <b>Decomposition temperature</b>     |       |
| No data available                    |       |
| <b>Flash point</b>                   |       |
| No data available                    |       |
| <b>Ignition temperature</b>          |       |
| No data available                    |       |
| <b>Flammability</b>                  |       |
| No data available                    |       |
| <b>Lower explosion limit</b>         |       |
| No data available                    |       |
| <b>Upper explosion limit</b>         |       |
| No data available                    |       |
| <b>Vapour pressure</b>               |       |
| No data available                    |       |
| <b>Relative vapour density</b>       |       |
| No data available                    |       |
| <b>Relative density</b>              |       |
| Value                                | 2 - 4 |
| <b>Density</b>                       |       |
| No data available                    |       |

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**Solubility in water**

|          |                  |
|----------|------------------|
| Comments | slightly soluble |
|----------|------------------|

**Solubility**

No data available

**Partition coefficient n-octanol/water (log value)**

No data available

**Kinematic viscosity**

No data available

**Particle characteristics**

No data available

**9.2 Other information****Other information**

No data available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Dangerous reactions are not expected if the product is handled according to its intended use.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

None, when used as directed.

**10.4 Conditions to avoid**

Avoid formation of dust.

**10.5 Incompatible materials**

No data available.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

No data available

**Acute dermal toxicity**

No data available

**Acute inhalational toxicity**

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Reproduction toxicity**

No data available

**Carcinogenicity**

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|                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------|
| 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>Endocrine disrupting properties</b>                                                                                  |
| No data available                                                                                                       |
| <b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>                       |
| Inhalation of dusts may irritate the respiratory tract. Contact with the skin and eyes may cause mechanical irritation. |

## 11.2 Information on other hazards

**Other information**  
No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

|                                      |
|--------------------------------------|
| <b>Toxicity to fish (acute)</b>      |
| No data available                    |
| <b>Toxicity to fish (chronic)</b>    |
| No data available                    |
| <b>Toxicity to Daphnia (acute)</b>   |
| No data available                    |
| <b>Toxicity to Daphnia (chronic)</b> |
| No data available                    |
| <b>Toxicity to algae (acute)</b>     |
| No data available                    |
| <b>Toxicity to algae (chronic)</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>             |                    |
| <b>Product Name</b>                                   |                    |
| Rubber polisher (REF 43310)                           |                    |
| Rubber polishing wheels (REF 43310, 43330)            |                    |
| Rubber polishing tips (REF 43350, 43370)              |                    |
| Knife-edge rubber polishing wheels (REF 43390, 43410) |                    |
| <b>WiroFlex (REF 43311)</b>                           |                    |
| PBT assessment                                        | No data available. |
| vPvB assessment                                       | No data available. |

### 12.6 Endocrine disrupting properties

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No data available.

**12.7 Other adverse effects**

No data available.

**12.8 Other information****Other information**

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**

Residues 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.

**SECTION 14: Transport information****14.1 UN number or ID number**

Not classified as dangerous in the meaning of transport regulations.

**14.2 UN proper shipping name**

Not classified as dangerous in the meaning of transport regulations.

**14.3 Transport hazard class(es)**

Not classified as dangerous in the meaning of transport regulations.

**14.4 Packing group**

Not classified as dangerous in the meaning of transport regulations.

**14.5 Environmental hazards**

Not classified as dangerous in the meaning of transport regulations.

**14.6 Special precautions for user**

No data available.

**14.7 Maritime transport in bulk according to IMO instruments**

Not relevant

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the article does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

| No | Substance name | CAS no. | EC no. | No |
|----|----------------|---------|--------|----|
|    |                |         |        |    |

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|   |                  |            |           |    |
|---|------------------|------------|-----------|----|
| 1 | diiron trioxide  | 1309-37-1  | 215-168-2 | 75 |
| 2 | Limestone        | 1317-65-3  | 215-279-6 | 75 |
| 3 | titanium dioxide | 13463-67-7 | 236-675-5 | 75 |

## Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

## Other regulations

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

## 15.2 Chemical safety assessment

No data available.

## SECTION 16: Other information

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

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

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

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 section.

### Creation of the safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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