



Werner Rumler Industriebedarf GmbH  
Haydnstraße 13, D-40724 Hilden, Germany  
info@rumler-hilden.de, www.rumler-hilden.de

**Trade name : WR - Glass granulate**

**Material Safety Data Sheet according (in support) to Directive (EG) no. 1907/2006**

Issue date: January 2020

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### **1. Chemical product and company identification**

**Product name:** **WR - Glass granulate**

**Data to the Product:** Blasting material for mechanical surface processing  
production of wear-resistant materials  
raw material for enamel slurry  
production of wear-resistant materials

**Manufacturer:** Werner Rumler GmbH  
Industriebedarf  
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Phone: +49 (0) 2103 / 31063

### **2. Composition/Information on ingredients:**

Main components	Haz.-Symbol	Wt.-%	R-phrases	CAS	EINECS
Siliciumoxid	---	> 70	---	7631-86-9	231-545-4
Aluminiumoxid	---	0,5 – 2,0	---	1344-28-1	215-691-6
Iron oxide	C	< 0,15	---	1309-37-1	215-168-2
Magnesium oxid	---	> 2,5	---	1309-48-4	215-171-9
Calciumoxid	C	> 8,0	34	1305-78-8	215-138-9
Sodium oxide	---	> 14	---	1313-59-3	215-208-9

This product contains no free components in concentrations that make a classification as hazardous according to EU Directive. The product contains no substances will continue to be listed in the SVHC.

The above ingredients in the product are not readily available, but in the glass firmly bound.

### **3. Potential health hazards:**

**Critical hazard to man and environment:**

**EC/R:** not applicable

**Classification:**

The classification after this preparation health and environmental dangerous Characteristics takes place according to the conventional method with consideration of the new preparation Directive (1999/45/EG) and 67/548/EWG



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**4. First Aid Measures**

<b>Inhalation:</b>	no special measures required
<b>Skin:</b>	no special measures required
<b>Eye:</b>	Wash with plenty of water. Seek medical advice if irritation persists.
<b>Shallow:</b>	no danger admits
<b>Advice to physician:</b>	No specific advice. Treat according to symptoms present.

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**5. Fire-fighting measures**

<b>General information:</b>	Product itself is flammable
<b>Suitable extinguishing media:</b>	us extinguishing media appropriate to the source of the fire.

<b>Extinguishing media which must not be used for safety reasons:</b>	none know
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**Special exposure hazards arising from the substance itself, combustion**

<b>products, resulting gases:</b>	none know
<b>Special protective equipment:</b>	not applicable

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**6. Accidental release measures**

<b>Personal protection:</b>	Avoid dust. Withdrawn material causes slip hazard.
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<b>Environmental protection measures:</b>	no special measures
<b>Procedure for cleaning and recollection:</b>	Take up mechanically and in accordance with point 13 dispose the material. Avoid breathing dust.

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**7. Handling and storage**

<b>Handling:</b>	
<b>References to safe handling:</b>	See point 6. Avoid breathing dust. Avoid dust and provide for good space ventilation. If necessary switch local withdrawal system.
<b>Storage class (VCI):</b>	13 (not inflammable solids)

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**8. Exposure controls/Personal protection**

**Engineering controls:** is void

**Components with value that require to supervising the workplace:**

Observe the local bylaws in terms of fine dust (e.g. TWA 10 mg /m<sup>3</sup>; MAK value 6 mg / m<sup>3</sup>; see also item 16)

**Personal protection equipment:**

**Respiratory protection:**

Observe standard industrial hygiene

**Eye protection:**

Clothing goggles with side protection (EN166)

**Hand protection:**

Safety gloves, appropriate of neoprene (EN374)

**Body protection:**

appropriate work clothes

**Exposure controls/Personal protection**

Further information to hand protection - No tests were accomplished. The selection was selected after best knowledge and over the information of the contents materials. The selection was derived with materials from the data of the glove manufacturers. The final selection of the glove material must take place considering of the break-through times and the permeation rates. The selection of a suitable glove depends and from manufacturer to manufacturer different not only on the material, but also on further quality criteria. With preparing the stability of hand shoe materials is not ahead calculable and must be examined therefore before the employment. The exact break-through time of the glove material is to be kept with the protection glove manufacturer to experiencing and.

**9. Physical and Chemical Properties**

**Physical state:** granulate or powder  
**Colour:** White, transparency  
**Odour:** None  
**Melting point:** ca. 630°C  
**Flash point:** Not applicable  
**In flammability:** Not applicable  
**Ignition temperature:** Not applicable  
**Lower explosion limit:** Not applicable  
**Upper explosion limit:** Not applicable  
**Steam pressure:** Not applicable  
**Specific gravity:** 2,5 g/cm<sup>3</sup> (20°C)  
**Solubility in water:** Not applicable  
**pH value in water:** 11-12  
**Partition coefficient n-octanol/water:** Not applicable



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## **10. Stability and Reactivity**

**Condition to avoid:** See point 7. During adequate storage and handling not to expect (stably).

**Material to avoid:** See point 7. None admits

**Hazardous decomposition products:** None admits

## **11. Toxicological Information**

**Acute toxicity as well as immediately arising effects:**

**Swallow, LD50 rat orally (mg/kg):** no data available  
**Inhale; LC50 rat inhalation (mg/l/4h):** no data available  
**Skin contact, LD50 rat dermal (mg/kg):** no data available  
**Eye contact:** no data available

**Retards arising as well as chronic effects:**

**sensitising effect:** no data available

**Carcinogenic effect:** no data available

**Hereditary property-changing effect:** no data available

**Reproduction-endangering effect:** no data available

**Anaesthetizing effect:** no data available

**Other references:**

It concerns a product. After the present conditions of our knowledge the product does not lead on normal application conditions to an endangerment of humans.

## **12. Ecological Information**

**Water hazard class:** no hazardous for water

**Self-assessment:** Yes (VwVwS (German regulation))

**Persistence and decomposition:** The Product does not contain AOX (organically bonded halogen compounds).

**Behaviour in wastewater treatment plants:** In the case of adequate use, there are no disturbance to be expected. Mechanical separating is possible.

**Aquatic toxicity:** Not to expect

**Ecology toxicity:** Not to expect

**Accumulation:** Not to expect



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**13. Disposal Considerations**

**Product:** Material is to be disposed considering the valid in each case local/national regulations.

**Uncleaned packaging:** Packaging is to be emptied completely and considering the valid in each case local/national regulations, prefers a re-use and/or an utilization supplying.

**14. Transport Information**

**Land Transport ADR/RID and GGVS/GGVE:** non hazardous material

**Inland waterway transport ADN/ADNR:** non hazardous material

**Sea-transport IMDG/GGVS/UN:** non hazardous material

**Air-transport ICAO/IATA UN/ID:** non hazardous material

**Other information:** No danger property, may be sent by mail.

**15. Regulatory Information**

**Classification according to EC directives:**

**Danger symbol and danger-text of the material:** none

**EC / R:** none

**EC / S:** none

**National regulations:**

**e.g.: (Germany) Classification according VbF:** not subjected to VbF

**Water Pollution Category:** not water polluting VwVwS (Germany) dated 27.07.2005

**16. Other Information**

These data refer to the product in the delivering condition.  
The information covers the safety requirements of the product(s) exclusively and is based on current knowledge and experience. It does not represent a guarantee for properties of the described product (s) in terms of the legal warranty regulations. The product specification is contained in a separate product data sheet.

**Changes in this version:**

- general revision
- replace the version of 27.11.2008