

## WIDOPERL

Druckdatum: 31.05.2013

Überarbeitet am: 31.05.2013

### **1. Identification of the substance/preparation and of the company/undertaking**

#### **Identification of the substance or preparation**

##### **WIDOPERL**

#### **Use of the substance/preparation**

Mineral light weight aggregate with low thermal conductivity for plaster, mortar, lightweight concrete; filler for resins, clay, asphalt, putty, fire proofing panels, refractory materials, in floors for levelling, special application in Construction Chemicals Preparations, chemical and lime-stone industry.

#### **Company/undertaking**

##### **Address**

WIDOPAN-Produkte GmbH  
Finkenhörne 4 a  
21781 Cadenberge  
Telephone no: +49 (0)4777 - 8081-0  
Fax no: +49 (0)4777 - 8081-20

#### **Emergency telephone number:**

Telephone no: +49 (0)4777 - 8081-0

### **2. Hazards identification**

#### **2.1 Classification according to EG-regulation 1272/2008 (CLP):**

not a hazardous mixture

#### **Classification according to EG-regulation 67/548/EWG:**

not a hazardous substance

#### **2.2 Label elements**

not any

#### **2.3 Other hazards**

##### **Information on danger for human and environment:**

During processing can appear pollution of dust (dust of glass); often contact to skin results in getting chapped and desiccated hands.

Safety constructions:

P260: do not breath dust

P285: in case of inadequate ventilation wear lespiratory protection.

**WIDOPERL**

Druckdatum: 31.05.2013

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### **3. Composition/information on ingredients**

This product is *an article* according to EC-regulation 1907/2006

Chemical description: Inorganic thermal expanded glass granules based on recycled glass (bottle glass and flat glass)

Hazardous ingredients : *none*  
CAS-No. 65997-17-3  
EG-No. (EINECS) 266-046-0

Chemical composition: (in Mass-%, circa) :  
SiO<sub>2</sub> 72 ; Na<sub>2</sub>O 13; CaO 8; MgO 3; Al<sub>2</sub>O<sub>3</sub> 2; K<sub>2</sub>O 1

### **4. First aid measures**

Symptoms and effects  
of a disease

- after inhalation
- after to contact skin
- after contact to eyes
- after swallow

*unknown*

to get some fresh air

to clean dry or wet

flushing thoroughly with water and consult the doctor

this is unlikely to happen

### **5. Fire fighting measures**

**Extinguishing media**

not applicable; non-flammable material;

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

no release of hazardous and oxidizing gases;

**Advice for firefighters**

fire extinction measures designed for surrounding area fire; thermal stability at least up to 750 °C then softening; melting >1000 °C.

### **6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

to avoid development of dust; ensure a good ventilation or a sufficient breathing protection;

danger of slipping by leakage of the product – personally protective measures see point 8

**Environmental precautions**

should not enter the sewage system; floats up due to very low density; danger of blockage of pipelines

**Methods and material for containment and cleaning up**

if necessary, take measures of blinding on containers/packages to make them trickle-proof to avoid loss of material. Pick up dry without pollution of dust (vakuum-cleaning).

**Reference to other sections:**

**WIDOPERL**

Druckdatum: 31.05.2013

Überarbeitet am: 31.05.2013

disposal see point 13

**7. Handling and storage****Precautions for safe handling**

to avoid development of dust

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

store in dry area

**Specific end use(s)****To fill silos by blowing use air pressure of 0.5 bar only!****8. Exposure controls / personal protection****Control parameters**

Critical values of exposure:	Inhalable fraction	10 mg/m <sup>3</sup> (E)
	Respirable fraction	3 mg/m <sup>3</sup> (A)

**Exposure controls****Individual protection measures, such as personal protective equipment**

Breathing protection	particle filtered protective mask P1-P3
Hands protection	safety gloves CE type I
Eye protection	safety goggles
Body protection	workwear, non-slip shoes
Measures of safety and hygiene	<i>not necessary</i>

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Form:	Granules; grain size 0.1 - 4mm
Colour:	grey; grey-light
Odor:	<i>no odor</i>
pH-value:	7 (determined in water solution 100g/l; 20°C)
Status change:	softening temperature >750 °C
Ignition temperature:	<i>not applicable</i>
Flare point:	<i>not applicable</i>
Combustion values:	<i>not applicable</i>
Grain density:	circa 0.3 – 0.8 kg/dm <sup>3</sup>
Bulk density:	circa 0.2 – 0.5 kg/dm <sup>3</sup>
Thermal conductivity λR :	0.070 W/mK (grain size 2-4mm)
Water solubility:	<i>insoluble in water</i>

**9.2 Other information***no other information*

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**10. Stability and reactivity**

<b>10.1. Reactivity</b>	<i>not reactive</i>
<b>10.2 Chemical stability</b>	stable under normal ambient and anticipated storage and handling conditions of temperature and pressure
<b>10.3 Possibility of hazardous reactions</b>	<i>no reactions known</i>
<b>10.4 Conditions to avoid</b>	Temperatures >1000°C; material melts
<b>10.5 Incompatible materials</b>	Fluorhydric acid (HF); material dissolves
<b>10.6 Hazardous decomposition products</b>	<i>non disintegration products known</i>

**11. Toxicological information**

not apply to  
 In accordance with our previous experiences the product does not initiate toxic effects.

**12. Ecological information**

<b>Toxicity</b>	
<b>12.1. Toxicity Ames-test:</b>	The eluate of Liaver does not show mutagenic effect.
<b>Test of botanical agreeableness:</b>	Liaver is agreeable to plants
<b>12.2. Persistence and degradability:</b>	<i>not able</i> to decompose biologically, it is a mineral product
<b>12.3. Bioaccumulative potential :</b>	<i>not applicable</i>
<b>12.4. Mobility in soil :</b>	<i>not applicable</i>
<b>12.5. Results of PBT and vPvB assessment :</b>	<i>not applicable</i>
<b>12.6 Other harmful effects:</b>	not apply to

**13. Disposal considerations****13.1 Waste treatment methods**

Dry collected material usable furthermore. Discarded material may disposed of with construction debris in conformity with local regulations and according to inquiry of competent authorities.

Code-No. of European Catalogue of waste: 170202

**Packaging:** Disposal according to local regulations

**WIDOPERL**

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**14. Transport information****Land transport (ADR/RID)**

UN number:	not relevant		
UN proper shipping name:	not relevant		
Transport hazard class(es):			
Road-Transport (ADR/RID)	<i>no classification</i>		
Shipping-Transport (IMO/IMDG)	<i>no classification</i>	Seabased pollution	<i>no</i>
Air-Transport ((ICAO-IATA-DGR)	<i>no classification</i>		
Other information:	<i>None</i> hazardous material as defined in the transport directive		
Packing group:	<i>not relevant</i>		
Environmental hazards:	<i>not relevant</i>		
Special precautions for user:	<b>To fill silos by pneumatic conveying use low air pressure of 0.5 bar maximum highest !</b>		

Transport in bulk according to Annex II MARPOL 73/78 and the IBC Code: *not relevant*

**15. Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations:**

Technische Anleitung LuftTRGS 900

Wassergefährdungsklasse (WGK) *waterbased pollution no*

Chemikaliengesetz: The product is defined as article in the legal sense of the law.

**Chemical safety assesment:** *not relevant*

The product has not to register according to EC regulation 1907/2006 Annex V.11 (REACH)

**16. Other information****Further information**

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.