

# Water absorbing granules (Z/R gel) for ventilation filters

Type BFSK

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**Safety data sheet for Z/R Gel**

according to the Global Harmonized System (globally harmonized system)

NAME OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY					
Use of the substance/preparation		Drying agent			
Company name		Hengst Filtration GmbH Werk Ketsch Hardtwaldstraße 43 68775 Ketsch Germany Telephone +49 (0) 62 02/6 03-0 hydraulicfilter@hengst.de			
Revised on		10.06.2010			
Version		GHS 1			
COMPOSITION/INFORMATION ON INGREDIENTS					
chemical characterisation		Zeolite, crystalline, synthetic, non-fibrous Synthetic amorphous silicon dioxide Humidity indicator (0.1%)			
CONTENTS		HEALTH HAZARDS		CAS	REACH NO.
Zeolite	50% - 75%			1318-02-1	
Clay binder	10% - 20%				
Quartz	0.1% - 1%			14808-60-7	
Amorphous silicon dioxide	20% - 25%			7631-86-9	01-2119379499-0036
FIRST AID MEASURES					
Inhalation		No special measures required.			
Skin contact		Wash with soap and water as a precaution.			
Eye contact		Rinse thoroughly with plenty of water, also under the eyelids. Consult a medical specialist if eye irritation persists.			
Swallowing		Rinse mouth out with water and drink plenty of water.			
FIRE FIGHTING MEASURES					
Suitable extinguishing agents		Use dry extinguishing agent, CO <sub>2</sub> , spray or alcohol-resistant foam.			
Extinguishing media unsuitable for safety reasons		Full water jet.			
Special protective equipment for fire fighting		Common measures for fires involving chemicals.			
ACCIDENTAL RELEASE					
Personal precautions		No special measures required.			
Environmental protection measures		No special environmental protection measures required.			
Cleaning process		Take up mechanically. After cleaning, rinse away traces with water.			
HANDLING AND STORAGE					
Handling		No special technical protective measures required.			
Storage		Store in the original container at room temperature.			

EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT	
Germany	<p><b>SILICIC ACIDS, AMORPHOUS</b> Limit value 4 E mg/m<sup>3</sup> Remarks: Teratogenic: Y substances for which a risk of teratogenicity need not be feared if the occupational MAC and the biological workplace tolerance value (BAT) are complied with.</p> <p><b>QUARTZ</b> Limit value 0.15 E mg/m<sup>3</sup> Remarks: Teratogenic: Y substances for which a risk of teratogenicity need not be feared if the occupational MAC and the biological workplace tolerance value (BAT) are complied with.</p>
Switzerland	<p>Silica, amorphous Occupational MAC value 4 E mg/m<sup>3</sup> Quartz Occupational MAC value 0.15 a mg/m<sup>3</sup> Group c: Harm to the foetus unlikely if the occupational MAC value is complied with.</p>
Exposure controls at the workplace	Generally accepted occupational hygiene measures.
PERSONAL PROTECTIVE EQUIPMENT	
Breathing protection	No special protective equipment required.
Hand protection	Disposable PVC gloves
Eye protection	Avoid contact with eyes.
PHYSICAL AND CHEMICAL PROPERTIES	
Form	Pellet.
Colour	Red. Beige.
Odour	Odourless.
Physical and chemical properties	<p>pH value: 6 - 9 ( 10 % ). Flash point: non-flammable. Solubility in water: insoluble. Fat solubility: insoluble.</p>
STABILITY AND REACTIVITY	
Stability	No decomposition when used as intended.
Hazardous decomposition products	None if handled as intended.
TOXICOLOGICAL DATA	
Acute toxicity	<p>Zeolite LD50/oral/rat &gt; 10000 mg/kg. LD50/dermal/rabbit &gt; 2000 mg/kg. LC50/inhalation/rat &gt; 15 mg/l. Amorphous silicon dioxide LD50/oral/rat = 3160 mg/kg.</p>
Local effects	Eye contact may cause irritation.
Long-term toxicity	Negligible.
Sensitisation	none.
Effect on human beings	This product does not cause any known adverse health effects.

ENVIRONMENTAL DATA	
Ecotoxicity	Zeolite Ec50/48h/daphnia > 1000 mg/l. Lc50/96h/fish > 1800 mg/l.
Bioaccumulation potential	No bioaccumulation.
INFORMATION ON DISPOSAL	
Unused product	Remove in compliance with local official regulations.
Uncleaned packaging	Feed cleaned packaging materials into the local recycling circuits.
TRANSPORT INFORMATION	
Further information	Not a dangerous good in the sense of the transport regulations.
LEGISLATION	
GHS-CLASSIFICATION	
GHS product identifier	Zeolite CAS No. 1318-02-1, EC-No. 215-283-8 Clay binder, CAS No., EC No. Quartz, CAS No. 14808-60-7, EC No. 238-878-4 Amorphous silicon dioxide, CAS no. 7631-86-9, EC no. 231-545-4, REACH No. 01-2119379499-0036
Legislation	German water hazard class (WGK) (d) = non-hazardous to water (nwg).
OTHER INFORMATION	
Recommended field of application	Drying agent
Further information	Not relevant.
Disclaimer	The information in this safety data sheet is correct to the best of our knowledge at the time of printing. It is intended to provide guidance on the safe handling of the product specified in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products.

## Notes

## Notes

Hengst Filtration GmbH  
Hardtwaldstr. 43  
68775 Ketsch, Germany  
Telephone +49 (0) 62 02/6-03-0  
hydraulicfilter@hengst.de  
www.hengst.com

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