

HG pro- Innovations GmbH  
5152 Michaelbeuern bei Salzburg

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Version 01

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

### 1.1 Product identifier

#### HG-Granulat

IUPAC	Glass granules
EINECS/ELINCS	266-046-0
CAS	65997-17-3

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

#### 1.2.1 Relevant uses

Filling beads

#### 1.2.2 Uses advised against

None known.

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

<b>Company</b>	HG pro- Innovations GmbH Wagnergraben 1 5152 Michaelbeuern bei Salzburg / AUSTRIA Phone +43 (0)720 310 355 Homepage www.hgpowerglue.com E-mail office@hgpowerglue.com
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#### Address enquiries to

<b>Technical information</b>	office@hgpowerglue.com
<b>Safety Data Sheet</b>	sdb@chemiebuero.de

### 1.4 Emergency telephone number

<b>Company</b>	+43 (0)720 310 355 Mo-Fr 8:00 - 16:00
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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

No classification.

### 2.2 Label elements

<b>Hazard pictograms</b>	
<b>Hazard statements</b>	none

### 2.3 Other hazards

<b>Human health dangers</b>	May cause irritation of mucous membranes and respiratory organs.
<b>Environmental hazards</b>	Does not contain any PBT or vPvB substances.
<b>Other hazards</b>	Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### Product-type:

The product is a substance.

Range [%]	Substance
~100	Glass granules
	CAS: 65997-17-3, EINECS/ELINCS: 266-046-0

<b>Comment on component parts</b>	No dangerous components. Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
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**SECTION 4: First aid measures**
**4.1 Description of first aid measures**

<b>General information</b>	Take off contaminated clothing and wash before reuse.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms seek medical treatment.
<b>Skin contact</b>	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	In the event of symptoms seek medical treatment. Rinse out mouth and give plenty of water to drink.

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

No information available.

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

Treat symptomatically.  
Forward this sheet to the doctor.

**SECTION 5: Fire-fighting measures**
**5.1 Extinguishing media**

<b>Suitable extinguishing media</b>	Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.
<b>Extinguishing media that must not be used</b>	Full water jet.

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

none

**5.3 Advice for firefighters**

Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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

Ensure adequate ventilation.  
Avoid dust formation.  
Use breathing apparatus if exposed to dust.

**6.2 Environmental precautions**

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

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

Take up mechanically. Avoid production of dust.  
Dispose of absorbed material in accordance with the regulations.

**6.4 Reference to other sections**

See SECTION 8+13

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

Use only in well-ventilated areas.  
 Avoid the formation and deposition of dust.  
 Provide vacuuming if dust raised.

Do not eat, drink or smoke when using this product.  
 Wash hands before breaks and after work.  
 Use barrier skin cream.  
 Take off contaminated clothing and wash before reuse.

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

Prevent penetration into the ground.  
 Keep only in original container.  
 Do not store together with food and animal food/diet.  
 Keep container tightly closed.

**7.3 Specific end use(s)**

See product use, SECTION 1.2

**SECTION 8: Exposure controls / personal protection**
**8.1 Control parameters**
**Ingredients with occupational exposure limits to be monitored (GB)**

not applicable

**8.2 Exposure controls**
**Additional advice on system design**

Ensure adequate ventilation on workstation.  
 Pay attention to dust limit value (ACGHI-2011: 10 mg/m<sup>3</sup> particle inhalable; 3 mg/m<sup>3</sup> particle respirable).  
 Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.

**Eye protection**

safety glasses (EN 166:2001)

**Hand protection**

0,4 mm: Butyl rubber, >480 min (EN 374-1/-2/-3).  
 The details concerned are recommendations. Please contact the glove supplier for further information.

**Skin protection**

Protective clothing (EN 340)

**Other**

Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.  
 Do not inhale dust.  
 Avoid contact with eyes and skin.

**Respiratory protection**

Respiratory protection in the case of dust formation.  
 Short term: filter apparatus, filter P2. (DIN EN 143)

**Thermal hazards**

none

**Delimitation and monitoring of the environmental exposition**

Protect the environment by applying appropriate control measures to prevent or limit emissions.

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

Form	granules
Color	transparent
Odor	odourless
Odour threshold	not applicable
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not determined
Flash point [°C]	not applicable
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not applicable
Density [g/ml]	2,0 - 2,6
Bulk density [kg/m <sup>3</sup> ]	1,2 - 1,8
Solubility in water	insoluble
Partition coefficient [n-octanol/water]	not applicable
Viscosity	not applicable
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	ca. 1400
Autoignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	not applicable

**9.2 Other information**

none

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

No dangerous reactions known if used as directed.

**10.2 Chemical stability**

The product is stable under standard conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known.

**10.4 Conditions to avoid**

No special measures necessary.

**10.5 Incompatible materials**

none

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information**
**11.1 Information on toxicological effects**
**Acute toxicity**

<b>Serious eye damage/irritation</b>	Non-corrosive / non-irritating.
<b>Skin corrosion/irritation</b>	Non-corrosive / non-irritating.
<b>Respiratory or skin sensitisation</b>	Non-sensitizing.
<b>Specific target organ toxicity — single exposure</b>	No classification.
<b>Specific target organ toxicity — repeated exposure</b>	No classification.
<b>Mutagenicity</b>	There is no evidence of any mutagenic effects.
<b>Reproduction toxicity</b>	There is no evidence of any reproductive toxicity effects.
<b>Carcinogenicity</b>	There is no evidence of any carcinogenic effects.
<b>Aspiration hazard</b>	not applicable
<b>General remarks</b>	none

**SECTION 12: Ecological information**
**12.1 Toxicity**
**12.2 Persistence and degradability**

<b>Behaviour in environment compartments</b>	No information available.
<b>Behaviour in sewage plant</b>	No information available.
<b>Biological degradability</b>	not applicable

**12.3 Bioaccumulative potential**

not applicable

**12.4 Mobility in soil**

not determined

**12.5 Results of PBT and vPvB assessment**

not applicable

**12.6 Other adverse effects**

None known.

**SECTION 13: Disposal considerations**
**13.1 Waste treatment methods**

Waste material c It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**Product**

Coordinate disposal with the authorities if necessary.

**Waste no. (recommended)**

101112

**Contaminated packaging**

Uncontaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed of as for product.

**Waste no. (recommended)**

150102

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

**Transport by land according to ADR/RID** not applicable

**Inland navigation (ADN)** not applicable

**Marine transport in accordance with IMDG** not applicable

**Air transport in accordance with IATA** not applicable

**14.2 UN proper shipping name**

**Transport by land according to ADR/RID** NO DANGEROUS GOODS

**Inland navigation (ADN)** NO DANGEROUS GOODS

**Marine transport in accordance with IMDG** NOT CLASSIFIED AS "DANGEROUS GOODS"

**Air transport in accordance with IATA** NOT CLASSIFIED AS "DANGEROUS GOODS"

**14.3 Transport hazard class(es)**

**Transport by land according to ADR/RID** not applicable

**Inland navigation (ADN)** not applicable

**Marine transport in accordance with IMDG** not applicable

**Air transport in accordance with IATA** not applicable

**14.4 Packing group**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.5 Environmental hazards**

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

not applicable

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EEC-REGULATIONS** 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014

**TRANSPORT-REGULATIONS** ADR (2019); IMDG-Code (2019, 39. Amdt.); IATA-DGR (2019)

**NATIONAL REGULATIONS (GB):** EH40/2005 Workplace exposure limits (Second edition, published December 2011).

- Observe employment restrictions for people none

- VOC (2010/75/CE) 0 %

**15.2 Chemical safety assessment**

not applicable

**SECTION 16: Other information**
**16.1 Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 ATE = acute toxicity estimate  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 ELINCS = European List of Notified Chemical Substances  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 LC0 = lethal concentration, 0%  
 LOAEL = lowest-observed-adverse-effect level  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 NOAEL = No Observed Adverse Effect Level  
 NOEC = No Observed Effect Concentration  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 STP = Sewage Treatment Plant  
 TLV@TWA = Threshold limit value – time-weighted average  
 TLV@STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

**16.2 Other information**
**Classification procedure**
**Modified position**

none

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