



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.07.2015

Revision: 15.07.2015

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

#### 1.1 Product identifier

Trade name: 781670 Giroinvest Super Pulver

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

No further relevant information available.

**Application of the substance / the preparation:** Auxiliary for dental technology

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

##### Manufacturer/Supplier:

Firmenbezeichnung  
Amann Girrbach AG  
Herrschaftswiesen 1  
A-6842 Koblach  
Telefon: 0043 5523 623330  
Fax: 0043 5523 55990  
Email: [austria@amanngirrbach.com](mailto:austria@amanngirrbach.com)  
Internet: [www.amanngirrbach.com](http://www.amanngirrbach.com)

Inverkehrbringer  
Amann Girrbach GmbH  
Duerrenweg 40  
D-75177 Pforzheim  
Telefon: 0049 7231 957100  
Fax: 0049 7231 957129  
Email: [germany@amanngirrbach.com](mailto:germany@amanngirrbach.com)  
Internet: [www.amanngirrbach.com](http://www.amanngirrbach.com)

**Further information obtainable from:** Amann Girrbach GmbH

#### 1.4 Emergency telephone number:

+49 (0) 7231 957100 (während der Geschäftszeiten / during business hours).

### 2 Hazards identification

#### 2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008:



GHS08 health hazard

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.

#### 2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms:**



GHS08

**Signal word:** Danger

**Hazard-determining components of labelling:**

Quartz (SiO<sub>2</sub>)  
cristobalite

(Contd. on page 2)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.07.2015

Revision: 15.07.2015

**Trade name: 781670 Giroinvest Super Pulver**

(Contd. of page 1)

**Hazard statements:**

H372 Causes damage to organs through prolonged or repeated exposure.

**Precautionary statements:**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P314 Get medical advice/attention if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards:****Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.

### 3 Composition/information on ingredients

**3.2 Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 14808-60-7	Quartz (SiO <sub>2</sub> )	50-100%
EINECS: 238-878-4	⚠ STOT RE 1, H372	
CAS: 14464-46-1	crystalite	10-<25%
EINECS: 238-455-4	⚠ STOT RE 1, H372	
CAS: 1309-48-4	magnesium oxide	3-<10%
EINECS: 215-171-9	substance with a Community workplace exposure limit	

**Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

**4.1 Description of first aid measures:****General information:**

Take affected persons out into the fresh air.

Do not leave affected persons unattended.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Immediately wash with water and soap and rinse thoroughly.**After eye contact:**

Rinse opened eye for several minutes under running water.

Call a doctor immediately.

**After swallowing:** Call a doctor immediately.**4.2 Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

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

No further relevant information available.

### 5 Firefighting measures

**5.1 Extinguishing media:****Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture:** No further relevant information available.

(Contd. on page 3)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.07.2015

Revision: 15.07.2015

---

**Trade name: 781670 Giroinvest Super Pulver**

---

(Contd. of page 2)

**5.3 Advice for firefighters:****Protective equipment:** Do not inhale explosion gases or combustion gases.

## 6 Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

**6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.**6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Ensure adequate ventilation.

**6.4 Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

**7.1 Precautions for safe handling:**

Open and handle receptacle with care.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

**Information about fire - and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities:****Storage:****Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.**Information about storage in one common storage facility:** Store away from foodstuffs.**Further information about storage conditions:**

Keep container tightly sealed.

Protect from frost.

**7.3 Specific end use(s):** No further relevant information available.

## 8 Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.**8.1 Control parameters:****Ingredients with limit values that require monitoring at the workplace:****1309-48-4 magnesium oxide**WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>

(as Mg) \*inhalable dust \*\*fume and respirable dust

**8.2 Exposure controls:****Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

**Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.**Protection of hands:** Protective gloves

(Contd. on page 4)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.07.2015

Revision: 15.07.2015

---

**Trade name: 781670 Giroinvest Super Pulver**


---

(Contd. of page 3)

**Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Tightly sealed goggles

---

## 9 Physical and chemical properties

**9.1 Information on basic physical and chemical properties:****General Information:****Appearance:**

<b>Form:</b>	Solid
<b>Colour:</b>	Whitish
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	Not determined.
<b>pH-value:</b>	Not applicable.

**Change in condition:**

<b>Melting point/Melting range:</b>	> 1400 °C
<b>Boiling point/Boiling range:</b>	Undetermined.

**Flash point:** Not applicable.

**Flammability (solid, gaseous):** Not applicable.

**Ignition temperature:**

**Decomposition temperature:** Not determined.

**Self-igniting:** Product is not selfigniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Vapour pressure:** Not determined.

**Density:** Not determined.

**Bulk density at 20 °C:** 1100 - 1200 kg/m<sup>3</sup>

**Relative density:** Not determined.

**Vapour density:** Not determined.

**Evaporation rate:** Not applicable.

**Solubility in / Miscibility with water:**

Insoluble.

**Partition coefficient (n-octanol/water):** Not determined.

**Viscosity:**

<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not determined.

**9.2 Other information:** No further relevant information available.

(Contd. on page 5)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.07.2015

Revision: 15.07.2015

---

**Trade name: 781670 Giroinvest Super Pulver**

---

(Contd. of page 4)

### 10 Stability and reactivity

**10.1 Reactivity:** No further relevant information available.

**10.2 Chemical stability:**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions:** No dangerous reactions known.

**10.4 Conditions to avoid:** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

**11.1 Information on toxicological effects:**

**Acute toxicity**

**Primary irritant effect:**

**Skin corrosion/irritation** No irritant effect.

**Serious eye damage/irritation** Irritating effect.

**Respiratory or skin sensitisation** No sensitising effects known.

### 12 Ecological information

**12.1 Toxicity:**

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability:** No further relevant information available.

**12.3 Bioaccumulative potential:** No further relevant information available.

**12.4 Mobility in soil:** No further relevant information available.

**Additional ecological information:**

**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**12.5 Results of PBT and vPvB assessment:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects:** No further relevant information available.

### 13 Disposal considerations

**13.1 Waste treatment methods:**

**Recommendation:**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**European waste catalogue:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

**14.1 UN-Number:**

ADR, ADN, IMDG, IATA

Void

---

(Contd. on page 6)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.07.2015

Revision: 15.07.2015

---

**Trade name: 781670 Giroinvest Super Pulver**

---

(Contd. of page 5)

<b>14.2 UN proper shipping name:</b> ADR, ADN, IMDG, IATA	Void
<b>14.3 Transport hazard class(es):</b> ADR, ADN, IMDG, IATA <b>Class:</b>	Void
<b>14.4 Packing group:</b> ADR, IMDG, IATA	Void
<b>14.5 Environmental hazards:</b> <b>Marine pollutant:</b>	No
<b>14.6 Special precautions for user:</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>UN "Model Regulation":</b>	-

## 15 Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**  
No further relevant information available.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### Relevant phrases:

H372 Causes damage to organs through prolonged or repeated exposure.

### Department issuing MSDS:

ADEEGO GmbH  
Wildsteig 4A  
D-42113 Wuppertal  
Tel. +49 (0) 202 2575700  
Fax. +49 (0) 202 2575701  
Email: mail@adeego.de  
www.adeego.de

**Contact:** Dr. Axel Deeg

### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1