



MICROBEADS AG  
Wambisterstrasse 1a, CH-5412 Gebenstorf / Switzerland  
info@microbeads-ag.ch, www.microbeads-ag.ch

**Trade name : Cast iron shot or grit**

Safety Data Sheet ordinance (EG) no. 1907/2006

Issue date: January 2020

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

**Product name:** High carbon steel abrasive shot or grit

**Purpose of application:** surface treatment of metal cast parts

**Manufacturer:** MICROBEADS AG  
Wambisterstrasse 1a  
CH-5412 Gebenstorf  
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**Emergency phone no.:** Sale Department Microbeads AG  
Emergency phone no.: 0041 56 441 16 11

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## **2. Potential health hazards**

The product is not poisonous. There is no danger for people and the environment.

**Indication of danger:** not applicable  
**Additional hazard statements for people and the environment:** not applicable

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## **3. Composition/Specifications on the constituents**

### **Chemical characterisation**

#### **Hazard ingredients**

**Portion:** not applicable  
**Classification:** not applicable

#### **Matters with required EG-limit values**

**Portion:** not applicable  
**Classification:** not applicable

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## **4. First-aid Measures**

### **General details**

**After intake of breathing:** none  
**After skin contact:** none  
**After eye contact:** calling the doctor  
**After swallowing up:** calling the doctor  
**Details for the doctor:** none

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**5. Measures for fire fighting**

**The product is not inflammable.**

**Suitable extinguishing agent:** not applicable

**Unsuitable extinguishing agent:** not applicable

**Particular hazard through the material or the preparation, its combustion products**

**or resulting gases:** not applicable

**Particular protective equipment by**

**Fire fighting:** not applicable

**Additional details:** not applicable

**6. Measures in case of unintended release**

**Personal precautions:** not applicable

**Environmental protection measures:** not applicable

**Operation for cleaning / acceptance:** mechanical acceptance (shovel and broom)

**Additional details:** none

**7. Handling and storing**

**Details for safety handling:**

Cast iron shot and grit is a metallic abrasive and will be applied for surface treatment of metal cast parts. It will be used in blasting plants like spinner gate or compressed air blasting equipment. Applicable relevant regulations for the employment protection for using this machines are to keep by the operator. In Particular they relate they emission control as well as the extraction of metallic dust.

**Details for fire and explosion**

**protection:** Cast iron shot and grit is not inflammable and not explosive.  
There is no danger when producing or using it.

**Other details:** Take measures for fire protection by using blasting plants.

**Details for storage conditions:**

By packing the product, the manufacturer takes the appropriate protection measures to avoid the penetration of water and humidity. In particular, the utilization of PET-inserts, cardboard enclosures, PET-hoods or PET-stretch films serve for realizing this. Cast iron shot and grit optional can be packed in steel barrels á 200 l or PET-bags. These will be fixed at wooden pallets.

**Details for store rooms and boxes:**

The user has to store the product in closed and dry rooms!

**Store class VCI:** not applicable

**Certain uses:** none



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**8. Limitation and observation of the exposition / personal protective equipment**

**Exposure limit values at the workplace and / or biological limit values  
Limit values on workplaces Germany**

**Specification:** not applicable  
**Value:** not applicable  
**Highly limitation:** not applicable  
**Teratogenic:** not applicable

**Workplace-guide limit values of the European union**

**Specification:** not applicable  
**Short term value (STEL):** not applicable

**Long term value (8h TWA) :** not applicable  
**Details "skin":** not applicable

**Limitation and observation of the exposition**

For blasting plants normally counts technical measures regarding emission control and extraction of metallic dust (filter systems).

**Personal protective equipment**

By using cast iron shot and grit in blasting plants wearing of ear and eye protection should be arranged by the management.

**Breathing protection:** not applicable  
**Hand guard:** not applicable  
**Ear protection:** Ear-plugs (EN 352-2)  
**Eye protection:** Work goggles (EN 166-F)  
**Personal protection:** not applicable  
**Details for industrial hygiene:** not applicable  
**Environmental protection measures:** Measures unnecessary

**9. Physical and Chemical Properties**

**Image**  
**Aggregate state:** solid  
**Colour:** grey, metallic bright  
**Odour:** odourless  
**Vital Information**  
**Explosion risk:** none  
**Lower explosion limit:** not applicable  
**Upper explosion limit:** not applicable  
**Vapour pressure:** not applicable  
**Density:** 7,0 kg / dm<sup>3</sup>  
**Flow time:** not applicable



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## 9. Physical and Chemical Properties

<b>Water solubility:</b>	not water soluble
<b>pH-value:</b>	not applicable
<b>Boiling point / -range:</b>	not applicable
<b>Flashpoint:</b>	not inflammable
<b>Ignition point:</b>	not inflammable

## 10. Stability and Reactivity

<b>Conditions to be avoided:</b>	humidity
<b>Agents to be avoided:</b>	water, acids, other oxidants
<b>Corrosion products:</b>	iron oxide (rust)

## 11. Toxicological Information

The product has not toxic properties.

<b>Toxicological analysis:</b>	not applicable
<b>Know-How:</b>	not applicable
<b>Information about ingredients:</b>	not applicable

## 12. Ecological Information

### Ecological toxicity

<b>Fish toxicity:</b>	not applicable
<b>Aquatic invertebrate:</b>	not applicable
<b>Water plant:</b>	not applicable

<b>Mobility:</b>	none
<b>Persistency:</b>	none
<b>Bioaccumulation:</b>	none
<b>Result of determination of PBT-properties:</b>	not applicable
<b>Other harmful effects:</b>	none

## 13. Hints concerning the disposal

### Matter / preparation:

Remaining quantities or wastes from scheduled utilization are supplied to the scrap disposal and are reusable!

<b>Recommendation:</b>	none
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**13. Hints concerning the disposal**

**Waste code according list of wastes-establishment:**

<b>Steel wire:</b>	no. of iron and steel:	17 04 05
<b>Packing:</b>	no. of board:	15 01 01
	no. of PET foil:	15 01 02
	no. of wooden pallet:	15 01 03

**Contaminated packing:**

Optional cast iron shot and grit can be produced in paper bags, barrel or PET-bags. These will be stacked on nonreturnable pallets and wrapped with PET-foil in front of the protection of humidity. All packages are recyclable.

Our manufactures leave our factory in acceptable packing conditions. The user has to handle the goods correctly.

**14. Information on transportation**

Cast iron shot and grit is no dangerous goods. Transports do not have be marked.

<b>Transport by land:</b>	without identification
<b>Transport by sea:</b>	without identification
<b>Transport by air:</b>	without identification

**15. Statutory provisions**

<b>Material safety assessment:</b>	not applicable
<b>Identification by EG-guideline</b>	
<b>Code letter and indication of danger of the product:</b>	not applicable
<b>Labelling contains:</b>	
<b>R-phrases:</b>	not applicable
<b>S-phrases:</b>	not applicable
<b>EU-regulations :</b>	not applicable
<b>National regulations</b>	
<b>Water hazard category :</b>	not applicable
<b>Category:</b>	not applicable
<b>Technical guidance air:</b>	not applicable
<b>Statutory order on hazardous incidents:</b>	
<b>(12. BImScvhV):</b>	not applicable
<b>Solvent establishment</b>	
<b>(31.BImSchV):</b>	not applicable
<b>Activity constriction:</b>	not applicable

**16. Other particulars**

<b>EG-guidelines:</b>	not applicable
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**Recommended using-restriction from the manufacturer:**

Cast iron shot and grit is to use exclusively for surface treatment of metal cast parts.