



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

Trade name : High carbon steel abrasive 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
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CH-5412 Gebenstorf
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Emergency phone no.: 0041 56 441 16 11

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

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

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:

High carbon steel abrasive (shot or 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 the emission control as well as the extraction of metallic dust.

Details for fire and explosion

protection: High carbon steel abrasive 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. High carbon steel abrasive 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 immission control and extraction of metallic dust (filter systems).

Personal protective equipment

By using high carbon steel abrasive 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:	7,8 kg / dm ³
Flow time:	not applicable



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

10. Stability and Reactivity

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

11. Toxicological Information

The product has not toxic properties.

Toxicological analysis:	not applicable
Know-How:	not applicable
Information about ingredients:	not applicable

12. Ecological Information

Ecological toxicity

Fish toxicity:	not applicable
Aquatic invertebrate:	not applicable
Water plant:	not applicable

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

13. Hints concerning the disposal

Matter / preparation:

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

Recommendation: none

Waste code according list of wastes-establishment:

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



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13. Hints concerning the disposal

Contaminated packing:

Optional high carbon steel abrasive 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

High carbon steel abrasive is no dangerous goods. Transports do not have be marked.

Transport by land:	without identification
Transport by sea:	without identification
Transport by air:	without identification

15. Statutory provisions

Material safety assessment: not applicable

Identification by EG-guideline

Code letter and indication of danger of the product: not applicable

Labelling contains:

R-phrases: not applicable

S-phrases: not applicable

EU-regulations : not applicable

National regulations

Water hazard category : not applicable

Category: not applicable

Technical guidance air: not applicable

Statutory order on hazardous incidents

(12. BImScvhV): not applicable

Solvent establishment

(31.BImSchV): not applicable

Activity constriction: not applicable

16. Other particulars

EG-guidelines: not applicable

Recommended using-restriction from the manufacturer:

High carbon steel abrasive shot and grit is to use exclusively for surface treatment of metal cast parts.