



MICROBEADS AG
Wambisterstrasse 1a, CH-5412 Gebenstorf / Switzerland
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Trade name : Grinding Disk Fracture SSB

Material Safety Data Sheet according to 1907/2006 EEC (EEC 93/112; EEC 2001/58)

Issue date: January 2020

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1. Chemical product and company identification

Trade name: Grinding Disk Fracture SSB

Use of the material/the preparation:

blasting material (for mechanical surface processing)
filler
abrasive
fireproof and ceramic applications
production of wear-resistant materials

Supplier: MICROBEADS AG
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2. Hazard identification

Hazard identification N/A
Special hazard indications for human beings and environment: N/A

3. Composition/Information on ingredients:

Chemical classification: reclaimed from ceramic bonded grinding wheels
Chemical composition:

Al ₂ O ₃	85,50 %
SiO ₂	8,90 %
FeO	0,35 %
TiO ₂	0,95 %
SiC	2,75 %
CaO + MgO	1,25 %

CAS-No.: 1344-28-1
EINECS-No.: 251-691-6



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4. First Aid Measures

Inhalation:	no particular measures required
Skin contact:	no particular measures required
Eye contact:	rinse with plenty of water
Swallowing:	no particular measures required

5. Fire-fighting measures

General information	Product itself is inflammable
Suitable extinguishing media	use extinguishing media appropriate to the source of the fire
Extinguishing media which must not be used for safety reasons:	none known
Special exposure hazard arising from the substance itself, combustion products, resulting gases:	none know
Special protective equipment:	not applicable

6. Accidental release measures

Personal precautions:	Avoid dust information. Wear suitable respiratory protective equipment and gloves if exposure is considered to be likely.
Environmental precautions:	No special measures required
Cleaning procedure:	Take up material mechanically and dispose of in accordance to regulation.

7. Handling and storage

Handling:	
Precautions for safe handling:	Avoid dust information
Precautions against fire and explosion:	No danger of fire and dust explosion
Storage:	
Condition of storage rooms and vessels:	No special precautionary measures
Advice of storage of incompatible material:	None
Further information for storage:	None



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8. Exposure controls/personal protection

Further information for system design

and engineering measures: Not applicable

Components with special control parameters as limit values:

Observe the local bylaws in terms of fine dust (e.g. TWA 10 mg /m³; MAK value 6 mg / m³; see also item 16)

Personal protection equipment:

General protection and hygiene measures:

Observe standard industrial hygiene

Respiratory protection:

Avoid inhaling the dust. Fine-dust mask category P1 filter must be used if fine dust limits are exceeded.

Eye protection:

Safety glasses are recommended

Hand protection:

Protective gloves are recommended

9. Physical and chemical properties

Shape: granulate resp. powder
Colour: black-brown
Odour: odourless

Change of state: melting point: approx. 2000°C
Flash point: N/A
Flammability: N/A
Ignition temperature: N/A
Auto ignitability: N/A
Explosion risk: N/A
Explosion limits: N/A
Vapour pressure: N/A
Specific gravity: 3,85-3,94 g/cm³ by 20°C
Bulk Density: 500-2500 kg/m³
Solubility in water: insoluble
pH value: N/A

10. Stability and Reactivity

General information: The material is stable, no hazardous reactions are well-know.

Condition to avoid: Not applicable

Material to avoid: Not applicable

Hazardous decomposition products: No known



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11. Toxicological information

General information: No hazardous effects known, if used property.
No free silica included (see also item 16)

Acute toxicity: Not known

12. Ecological information

Information on elimination (persistence and degradability): Chemical inert and insoluble in water. Separation by mechanical processes (sedimentation, filtration etc.)

Behaviour in environment compartments: No environmental problems admits

Ecotoxicity effects: On harmful effect on water organisms is not to be counted

Further ecological references: In the case of appropriate handling and use no environmental problems are to be expected.

13. Disposal considerations

Product: Material is to be disposed considering the valid in each case local/national regulations.

Uncleaned packaging: Packaging is to be emptied completely and considering the valid in each case local/national regulations, prefers a re-use and/or an utilization supplying.

14. Transport Information

Land Transport ADR/RID and GGVS/GGVE: non hazardous material

Inland waterway transport ADN/ADNR: non hazardous material

Sea transport IMDG/GGVS/UN: non hazardous material

Air transport ICAO/IATA UN/ID: non hazardous material



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15. Regulatory Information

**Identification acc.
to EC directives:**

The preparations is not subject to
identification requirements under EU
directives

**Danger symbol and danger-text
of the material:**

none

EC / R:

none

EC / S:

none

National regulations:

Water endangerment category:

Does not endangerment water
Classification pursuant to the Administrative
Guideline on Water-Endangering
Substances (VwVwS), appendix 4

16. Other information

These data refer to the product in the delivering condition.

The information covers the safety requirements of the product(s) exclusively and is based on current knowledge and experience. It does not represent a guarantee for properties of the described product (s) in terms of the legal warranty regulations. The product specification is contained in a separate product data sheet.

Changes in this version:

- **general revision**
 - **replace the version of 03.12.2003**
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