



EC – MATERIAL SAFETY DATA SHEET

Q 1016
REV 00 / 2003
12.11.2003

Material Safety Data Sheet according to 91/155/EEC

Trade Name: **Alumina white**

Issue date: **26/02/2009**

Revised to: **13.07.2006**

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1. Chemical product and company identification

Product name: **Alumina white**

Manufacturer: MICROBEADS AG
Neumarkt 2
CH-5201 Brugg /Schweiz
Phone: +41 56 441 16 11
Fax : +41 56 441 55 15

In case of emergency call: **Microbeads Sales Department**
Phone: +41 (0) 56 441 16 11

2. Composition/Information on ingredients:

Chemical classification: Aluminium oxide
Chemical composition: Al₂O₃ min 98,5 %
Fe₂O₃ 0,13 %
Na₂O 0,40 %
SiO₂ 0,10 %
K₂O 0,05 %

Cas-No: **1344-28-1**
Index-No: **000-000-00-0**
EINECS-No: **251-691-6**

3. Hazard identification:

Special hazard indications for human
beings and environment: none

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

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5. Fire-fighting measures

General:	Product itself is non-flammable
Extinguishing agent:	Choose extinguisher suitable for surrounding fire
For safety reasons unsuitable fire extinguishing agents:	none admits
Special endangerment by the material or the preparation, its combustion product or developing gases:	None admits special
Protection equipment:	None

6. Accidental release measures

Personal safety:	Avoid raising dust. Wear suitable respiratory protective equipment and gloves if exposure is considered to be likely.
Environmental safety:	No particular measures required
Environmental protection Measures:	No special measures
Cleaning procedure:	Take up the material mechanically and dispose of correctly

7. Handling and storage

Handling:	
References to safe handling:	Avoid breathing dust
References of fire and explosion risk:	No dust explosion risk when stored, handled, and transported correctly
Storage:	
Requirement at storage and containers:	None
References of storage together:	None
Further data for storage:	None

8. Exposure controls/personal protection

Additional indications for the design of technical equipment:	None
Components with workplace-relevant limit values which require monitoring:	In line with national or federal regulations (e.g. to be observed for fine dust: TWA 10 mg / m ³ ; MAK: 6 mg / m ³)
Personal protection gear:	
Breathing protection:	Dust mask only when dust is raised
Hand protection:	Safety gloves
Eye protection:	Safety goggles

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9. Physical and chemical properties

Shape: **granular resp. powder**
Colour: **white**
Odour: **odourless**

Change of state: **melting point: approx. 2000°C**
Flashpoint: **N/A**
Flammability: **N/A**
Ignition temperature: **N/A**
Autoignitability: **N/A**
Explosion risk: **N/A**
Explosion limits: **N/A**
Vapour pressure: **N/A**
Specific gravity: **3.7 – 4.5 g/cm³**
Bulk density: **500 – 2500 kg/m³**
Solubility in water: **insoluble**
pH-value: **N/A**

10. Stability and Reactivity

General: During appropriate storage and handling no dangerous reactions are well-known.

Avoiding conditions: None
Avoiding materials: None
Dangerous decomposition products: N/A

11. Toxicological Information

General: In the case of appropriate use after conditions of our present knowledge is no damage to expect (see also section 16)
Acute toxicity: N/A

12. Ecological information

General: The product is insoluble in water
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: Disposal in compliance with legal regulations (ordinary landfill).
Uncleaned packing: Packing is to be emptied completely and considering the valid in each case local or national regulations, prefers a re-use and/or an utilization supplying.

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14. Transport information

Land transport ADR/RID and GGVS/GGVE:	N/A
Inland waterway transport ADN/ADNR:	N/A
Sea transport IMDG/GGVsee / UN code :	N/A
Air transport ICAO/IATA / UN/ID code :	N/A

15. Regulatory information

Identification acc. to EU directives:	The product is not subject to identification acc. to EU directives / GefStoffV
National regulations for BRD:	non-hazardous for water according to §19g Abs. 5 WHG

16. Other information

This information corresponds to our best knowledge and experience. We present it, however, without giving any guaranty as far as the material's technical performance and suitability for particular applications are concerned.

Changes in this version:

- general revision
- Section 11; 12; 13; 15
