

SAFETY DATA SHEET according to 1907/2006/EC

Trade name: WHITE OR PINK FUSED ALUMINA, BROWN FUSED ALUMINA FESI, BROWN FUSED ALUMINA

Issue date: 01.07.2012

1 Identification of the substance/preparation and of the company/undertaking

1.1 Trade name: WHITE OR PINK FUSED ALUMINA, BROWN FUSED ALUMINA FESI, BROWN FUSED ALUMINA

1.2 Use of the substance/preparation: Blasting abrasive for mechanical surface treatment

1.3 Company identification:

A) Supplier

AMPECO GmbH
Poststrasse 5
46535 Dinslaken
Germany

Contact person: Matthias Krakow
Phone: +49 172 7942485
e-mail: matthias.krakow@ampeco.de

2 Potential hazards:

2.1 Hazards to humans and the environment (R-phrases):
– No hazards to humans and the environment in as-delivered condition –

2.2 Other information:
When using abrasives, mineral dust can occur which poses a risk to health.

3 Composition/information on ingredients:

3.1 Chemical composition:
Alumina melted in the electric furnace made of bauxite

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	White or Pink Fused Alumina	Brown Fused Alumina	Brown Fused Alumina FeSi
Al ₂ O ₃	min. 99,3 %	min. 94,5 %	39 %
TiO ₂		2,7 %	0,9 %
Fe ₂ O ₃	approx. 0,13 %	1,0 %	0,3 %
Na ₂ O	approx. 0,40 %		
SiO ₂	approx. 0,12 %	0,9 %	0,3 %
CaO/MgO		0,4 %	
FeO			
Fe			46 %
Ti			3 %
Si			7,2 %
(Approximate values)			

- 3.2 EINECS No.: 215-691-6
- 3.3 CAS No.: 1344-28-1
- 3.4 Hazardous ingredients: Not applicable

4 First aid measures:

- 4.1 Skin contact: No special measures required.
- 4.2 Eye contact: In case of eye irritation, rinse the opened eyes with plenty of water.
- 4.3 Ingestion: No reactions known.
- 4.4 Inhalation: No special measures required.
- 4.5 Advice to physician: The abrasive may cause irritation of cornea and conjunctiva.

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- 5 Fire fighting measures:** Material does not burn. Use extinguishing measures to suit surroundings
- 6 Accidental release measures:**
- 6.1 Personal safety precautions: Not applicable
- 6.2 Measures for cleaning up: Collect mechanically and moisten if necessary. Store in suitable container and dispose of properly.
- 6.3 Environmental protection measures: Not applicable
- 6.4 Other information: None
- 7 Handling and storage:**
- 7.1 Handling: Avoid dust formation.
- 7.2 Information on protection against explosion and fires: Not applicable
- 7.3 Storage requirements: Store dry.
- 7.4 Information about storage in one common facility: No restrictions
- 7.5 Storage class: 13; non-flammable solid
- 8. Exposure controls / personal protection:**
- 8.1 Exposure limits: Not applicable

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- 8.2 Personal protective equipment:**
- 8.2.1 Breathing equipment: Use class FFP2 dust respirator.
 - 8.2.2 Hand protection: Wear gloves and.
 - 8.2.3 Eye protection: Wear safety glasses.
 - 8.2.4 Body/skin protection: Wear protective dust suit.
 - 8.2.5 Hygiene measures: Change clothes after using Alumina abrasives. Clean skin with warm water and pH-neutral soap. Do not eat, drink or smoke.
 - 8.2.6 Other information: Keep protective clothing separate from street clothes. Follow relevant safety instructions when working with abrasives.

9. Physical and chemical properties: (values and units as per Directive 67/548/EC)

- 9.1. Appearance**
- 9.1.1 Physical state and shape: angular, granules or powders
 - 9.1.2 Colour: white or pink (White or Pink Fused Alumina)
brown (Brown Fused Alumina)
grey-black (Brown Fused Alumina FeSi)
 - 9.1.3 Odour: None
- 9.2 Safety-relevant data**
- 9.2.1 Boiling point/boiling range: >2700°C
 - 9.2.2 Change in state: Melting point/melting range approx. 2000 °C
 - 9.2.3 Flash point: Not applicable
 - 9.2.4 Flammability: Not applicable
 - 9.2.5 Ignition temperature: Not applicable
 - 9.2.6 Auto-flammability: Not applicable
 - 9.2.7 Oxidizing properties: None
 - 9.2.8 Explosive properties: Not applicable
 - 9.2.9 Explosion limits: Not applicable
 - 9.2.10 Vapour pressure: Not applicable
 - 9.2.11 Density: 3,7-4,5 g/cm³ (deviant FeSi 5,0 – 5,5 g/cm³)
 - 9.2.12 Solubility: Not determined

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9.2.13 Solubility in water:	Not determined
9.2.14 Solubility in fat:	Not determined
9.2.15 Partition coefficient:	Not determined
9.2.16 pH:	Not applicable
9.2.17 Solvent content:	Not applicable
9.2.18 Solvent separation test:	Not applicable
9.2.19 Viscosity:	Not determined

10 Stability and reactivity:

10.1 Thermal decomposition:	Not applicable
10.2 Hazardous reactions:	Not applicable
10.3 Hazardous decomposition products:	Not applicable

11 Toxicological information:

11.1 Acute effects/toxicity (LD50/LC50):	Not applicable
11.2 Sensitization:	Not applicable
11.3 Irritant and corrosive properties:	Dust in concentrations exceeding the maximum recommended values may cause irritations to eyes and respiratory system.
11.4 Long-term exposure effects:	No adverse effects known.
11.5 CMR effects:	None
11.6 Practical experience:	None known
11.7 Other information:	Refer to numeral 2.2 above.

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12 Ecological information:

- | | | |
|------|---|---------------------------|
| 12.1 | Environmental hazard classification according to hazard symbol "N": | Not applicable |
| 12.2 | Information on elimination: | Not applicable |
| 12.3 | Ecotoxicity (e.g. impact on sewage treatment plants): | Not applicable |
| 12.4 | Other ecological information: | |
| | 12.4.1 COD: | Not applicable |
| | 12.4.2 BOD: | Not applicable |
| | 12.4.3 AOX: | Not applicable |
| 12.5 | Other information: | Poses no hazard to water. |

13 Disposal considerations:

- | | | |
|------|--|---|
| 13.1 | Waste code number according to AVV: | EAK 10 03 05 |
| 13.2 | Waste description: | Aluminum waste |
| 13.3 | Recommendations for disposal of packaging: | None |
| 13.4 | Other information: | The unused product can be disposed of in compliance with the legal regulations under the above-named AVV waste code number. |

14 Transport information:

- | | | |
|------|---------------------------------------|---------------------------------------|
| 14.1 | Land transport ADR/RID and GGVS/GGVE: | Not classified as hazardous material. |
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| 14.2 | Sea transport IMDG/GGVSEE: | Not classified as hazardous material. |
| 14.3 | Air transport ICAO-TI and IATA-DGR: | Not classified as hazardous material. |
| 14.4 | Other information: | The unused product is not considered a hazardous material for transport by any mode of transport and is not subject to transport regulations. |

15 Regulatory information:

- | | | |
|--------|---|--|
| 15.1 | Labelling according to Directive 67/584/EEC and GefStoffV: | Not applicable |
| 15.2 | R-phrases | Not applicable |
| 15.3 | S-phrases | S36 Wear appropriate protective clothing |
| 15.4 | Special labelling of certain preparations: | Not applicable |
| 15.5 | National regulations: | Not applicable |
| | 15.5.1 Information on restrictions of occupation | |
| | 15.5.2 German statutory order on hazardous incidents (StörfallV): | Not applicable |
| | 15.5.3 Classification according to German statutory order on flammable liquids (VbF): | Not applicable |
| | 15.5.4 German clean air directive (TA Luft): | Not applicable |
| | 15.5.5 Water hazard class: | Unused product is not hazardous according §19g para. 5 WHG |
| 15.5.6 | Restrictions and statutory orders: | None |

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16 Other information:

- 16.1** The information provided in this Safety Data Sheet is correct to the best of our knowledge and information at the date of its publication. The information are not meant to assure certain characteristics.