

EC safety data sheet pursuant to 91 /1 55/EECTrade name: Brown fused alumina
Manufacturer / Supplier: Abrasives-MFG LLCPrint date: 20.09.2006
Revised on: 20.09.2006

1 Identification of material / preparation and firm	
1.1 Description of preparation	Brown fused alumina
1.2 Use of the preparation	Abrasive
1.2 Details of manufacturer / supplier	
Firm	Abrasives-mfg LLC
Road	
Nat. designation / postal code/ town	Perth Australia
Telephone	+61 08 9245 5283
Fax	+61 1800 018 411

2 Composition / Information on ingredients	
Description	Brown fused alumina
EINECS	215-691-6
CAS NR.	1344-28-1
Chemical Contents (average values)	Al ₂ O ₃ 95,2 %, TiO ₂ 2,9 %, SiO ₂ 1,3 %, CaO max. 0,3 %, MgO max. 0,3 %, Fe ₂ O ₃ 0,02 %

3 Possible dangers	
Classification	Not subject to labeling requirements under the Dangerous Preparations Directive 1999/45/EC However, please note the information contained in this safety data sheet. There is no danger of silicosis when using this product.
Additional danger warnings for humans and environment	-

4 First Aid measures	
General information	-
After inhalation	Take injured person into the fresh air and have him/her lie calmly.
After contact with skin	Wash off with soap and water.
After contact with eyes	In case of contact with eyes, rinse open eyes under flowing water for 10 minutes.
After swallowing	Rinse out mouth and drink lots of water. Do not try and cause vomiting. If person feels unwell, consult doctor
Protection of person providing First Aid	Ensure that person providing First Aid is protected.
Notes for the doctor	-

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5 Fire-fighting measures	
Suitable extinguishing substances	Product itself does not burn. Adapt extinguishing measures to environment.
Extinguishing substances which are not suitable due to safety reasons. None known.	
Special dangers from the substance or the preparation itself, its combustion products or gases which arise	None known.
Special protective equipment in fighting fire.	-
Additional information	-

6 Accidental release measures	
Person-related precautionary measures	Avoid dust formation. See protective measures under points 7 and 8.
Environmental protection measures	-
Procedures to clean up / take up product	Take up mechanically and dispose of properly.
Additional information	-

7 Handling and storage	
7.1 Handling	
Information on dealing with product safely	Avoid dust formation.
Information on fire and explosion protection	No special fire protection measures necessary.
7.2 Storage	
Requirements of containers	-
Unsuitable material for containers/equipment	-
Information on mixed storage	LGK 13 (non-flammable solid materials)

8 Exposure limits and equipment for personal protection	
8.1 Exposure limit values/ Occupational limit values	
General dust limit value	
Inhalable amount (E)	10 mg/m ³
Alveolar amount (A)	3 mg/m ³

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8.2	Equipment for personal protection	
	Respiratory protection	Normally, no personal respiratory protection is necessary in the case of insufficient ventilation or exceeding occupational limit values, a breathing mask is to be worn (FFP filtering half-mask face piece, depending on the given concentration).
	Hand protection	Glove material: leather
	Eye protection	Tight-fitting protective goggles. (Closed safety goggles)
	Body protection	-
	Protective and hygiene measures	Minimum standards regarding protective measures for dealing with working substances are listed in TRGS 500. Do not eat, drink, smoke or take snuff during work. Avoid contact with skin, eyes and clothes. Remove soiled or soaked clothes immediately. Wash hands before breaks and at the end of work.

9	Physical and chemical properties	
9.1	Appearance	
	State of aggregation	Solid
	Shape	Angular
	Colour	Brown
	Smell	Odourless
9.2	Safety-relevant data	
	pH value	n.m.a. (not meaningfully applicable)
	Melting point	Approx. 1,950°C
	Solidification point	n.m. .a. (not meaningfully applicable)
	Boiling point	n.m.a. (not meaningfully applicable)
	Flash point	Substance is inorganic.
	Auto ignition	The product is not self-igniting.
	Danger of explosion	The product is not explosive.
	Relative density	Approx. 3.94 g/cm ³
	Water solubility	Insoluble

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10 Stability and reactivity	
Conditions to be avoided	
Substances to be avoided	
Dangerous decomposition points	No dangerous decomposition products known.
Other details	

11 Toxicological information	
Acute toxicity	-
Irritation of and caustic effect on the skin	Not irritating.
Irritation of and caustic effect on eyes	Not irritating.
Sensitization	No sensitization known.
General comments	-

12 Ecological information	
Ecotoxic effects	No damaging effect on water organisms is to be expected.
Information on elimination	This product is, according to experience so far, inert and not degradable.
Further information on ecology	With proper handling and use, no environmental problems are to be expected.

13 Disposal considerations	
Disposal / waste (product)	Unused abrasive: The allocation of the EWC codes / waste descriptions is to be carried out specific to branch and process in accordance with AAV. List of proposals for EWC codes / waste description pursuant to AAV: 120117 abrasive waste with the exception of waste which comes under 120116.
Uncleaned packaging	The packaging can be reused after cleaning or recycle.

14 Transport information	
Transport	Not dangerous goods within the meaning of these transport regulations.

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15 Regulations	
15.1 Labeling	
Labeling in accordance with EC Directive	The preparations are not subject to labeling requirements under EC Directives.
Code letter(s) and description(s) of danger	-
Danger-determining component(s) for labeling	-
Danger symbol(s) and Description(s) of danger	-
R-sentences	-
S-sentences	26 In case of contact with eyes, immediately rinse thoroughly with water and consult doctor. 37/39 Wear suitable protective gloves and protective goggles when working.
15.2 National regulations	
Major Accidents Ordinance	-
Technical guidelines regarding air	-
Water endangerment category	Does not endanger water; Classification pursuant to the Administrative Guideline on Water-Endangering Substances (VwVwS), appendix 4
Other regulations, restrictions and banning ordinances	-
15.3 International regulations	All ingredients of this material are listed on the TSCA inventory.

16 Other information	
Further information	The details in this safety data sheet correspond to the best of our knowledge to our findings at the time of printing. The information is intended to provide indications on how to use the product named in this safety data sheet safely in respect of storage, processing, transport and disposal. The information is not transferable to other products. Insofar as the product named in this safety data sheet is mingled, mixed or processed, or worked on, the information in this safety data sheet, insofar as it does not specifically state anything to the contrary, cannot be transferred to the new material made in this way.