Technical Data Sheet
White Aluminium Oxide

Trade Name:	White Fused Alumina
Part Reference;	WA
Original Issue Date:	December 2010
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SECTION 1
Chemical Analysis

A high grade commercial white fused alumina manufactured from calcined alumina
One of the hardest synthetic materials electro fused from prime grade alumina, for use in a myriad of applications from general blasting and surface finishing of non-aero components and stainless steel substrates, anti-slip flooring, vibratory finishing medias, coated & bonded abrasives and polishing compounds aswell as optical and lapidary processes.

Substance	Chemical Formula	Typical Content %
Aluminium Oxide	Al^2O^3	99.5
Silicon Dioxide	SiO^2	0.02
Iron Oxide	Fe^2O^3	0.08
SodiumOxide	Na^2O	0.2-0.4

SECTION 2
Physical Properties

Shape	Angular
Colour	White
Specific Gravity	3.95 g/cc
Bulk Density	subject to grade/size distribution
Hardness	9.5 moh/2200 knoop Diamond
Packaging	25kgmulti-ply paper sacks

SECTION 3
Particle Size Distribution

FEPA F and P grits in the macro range 8 to 220 mesh and in the micro range 240 to 1200 mesh.
Bespoke and blended grades are available on request.

SECTION 4
Compliance

This product is REACH compliant. See SDS 38 on our web site.

Special Precautions. In use, protection is required to meet threshold limit values for general dusts of 10 mg/m^3 (for total inhalable dust) and 5 mg/m^3 (respirable dust). Please also note the OELs for amorphous silicon dioxide dust of 6mg/m^3(inhalable) and 2.4 mg/m^3 (respirable). The user must establish any hazards present in the surface coatings being removed, which may reduce the occupational exposure standard (O.E.S.).

SECTION 5
Disposal

The abrasive must be disposed of in accordance with national legislation (See Section 16) and local regulations. The material as supplied is classed as a non-hazardous inert solid waste. Spent abrasive used as a blasting medium must be disposed of under classification 12 01 16 (waste blasting material containing dangerous substances) or 12 01 17 (waste blasting material other than those mentioned in 12 01 16). The waste producer must determine if hazardous substances in the coating being removed are likely to cause the waste to be hazardous.

SECTION 6
Handling and Storage

Load per pallet should not exceed 1 tonne and the pallets should not be stacked more than two high. Material should be kept dry.