



# BLAST MEDIA DATA SHEET

## GUYSON WHITE SAFTIGRIT

(for use with all compressed air blast systems - dry and wet)

### General

Guyson White Saftigrit is a premium quality white alumina manufactured by melting a special grade of calcined alumina (aluminium oxide) in an electric arc furnace using the block method. It is also referred to as White Bauxilite, White Fused Alumina and White Corundum.

It is an ultra pure, iron-free product, the hardest of all the different types of alumina and is ideal for applications that need a high cutting ability and when freedom from contamination is vital.

### Typical Applications

Cleaning, Removing Corrosion and Other Surface Deposits, Roughening, Etching and Decorating

High quality applications where no contamination can be tolerated. Ideal for blasting of materials such as stainless steel, titanium, lead crystal glassware and other materials where surface cleanliness is imperative.

### Chemical composition

White fused alumina

Al <sub>2</sub> O <sub>3</sub>	:	99.81%
CaO	:	0.006%
Fe <sub>2</sub> O <sub>3</sub>	:	0.035%
Na <sub>2</sub> O	:	0.11%
SiO <sub>2</sub>	:	0.02%
TiO <sub>2</sub>	:	0.004%

### Physical data

Shape	:	Angular / square
Colour	:	White
Specific gravity	:	3.94
Bulk density	:	3.0 – 3.5 g/cc (dependent upon grain size)
Hardness	:	Mohs 9

EINECS reference 215-691-6  
CAS No 1344-28-1

### Sizes Available

<b>FEPA Mesh Sizes*</b>	:	10, 12, 14, 16, 20, 24, 30, 36, 46, 54, 60, 70, 80, 90, 100, 120, 150, 180, 220
<b>FEPA Microgrits*</b>	:	F220, F240, F280, F320, F360, F400, F500, F600, F800, F1000, F1200
<b>Range Sizes**</b>	:	80/90, 90/100, 120/150, 180/220, 220/240, 240/280, 280/300
<b>Pack Size</b>	:	25 kg bag

\*Not all sizes available from stock  
See Guyson MSDS reference 12A for all other details

All Guyson White Saftigrit can be supplied with certification to Rolls Royce CSS12 aerospace standard should this be required. This is one of the highest conformity standards in the world and many other aerospace standards follow its lead.

To achieve compliance, White Saftigrit has to pass rigorous batch tests that ensure its physical and chemical properties remain consistent.

White Saftigrit is a non-toxic and non-hazardous product that contains no free silica. No special disposal precautions are required for the product once it has been used for blast finishing purposes. However, contamination from a specific application or process must also be considered prior to disposal.