



# BLAST MEDIA DATA SHEET

## GUYSON SAFTIMETAL

(turbine wheel and dry compressed air systems)

### General

Guyson Saftimetal is a high quality, chilled hematite cast iron abrasive with excellent performance characteristics. Throughout its use, the grit remains sharp edged and will produce a clean and bright surface finish. This product has a superior service life than standard chilled iron and with its slow breakdown rate, dust problems are minimal. It is also referred to as angular iron grit.

Saftimetal would generally be used in wheel/turbine or pressure blast systems and is much harder than the equivalent Turbogrit steel abrasive.

### Typical Applications

General engineering, surface treatment and refurbishment applications. Saftimetal is ideal for the removal of corrosion, paint, weld scale etc. and the preparation of surfaces prior to painting, bonding etc.

### Chemical composition (typical)

Chilled iron grit	
Carbon	: 3.12%
Silicon	: 1.57%
Manganese	: 0.56%
Copper	: 0.30%
Chrome	: 0.19%
Nickel	: 0.17%
Sulphur	: 0.12%
Phosphorous	: 0.11%

### Physical data

Shape	:	Angular
Colour	:	Silver / black metallic
Apparent density	:	Not less than 7.6g/cc
Hardness	:	62 – 64 HRC (740 – 800 VPN)

Various other elements at less than 0.05%

### Sizes Available : Nominal Size Range (microns)

G07	:	180 – 420
G12	:	300 – 710
G17	:	420 – 850
G34	:	850 – 1200
G47	:	1200 – 1700

**Pack Size** : 25 kg bag

See Guyson MSDS reference 15 for all other details

Saftimetal is a non-toxic and non-hazardous product. 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.