

## GUYSON SAFTIMETAL

for use with 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. The 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% |

Various other elements at less than 0.05%

#### Physical Data

|                   |   |                         |
|-------------------|---|-------------------------|
| Shape             | : | Angular                 |
| Colour            | : | Silver/Black metallic   |
| Apparent Density: |   | Not less than 7.6 g/cc  |
| Hardness          | : | 62-64 HRC (740-800 VPN) |

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

|     |   |           |
|-----|---|-----------|
| G07 | : | 108-420   |
| G12 | : | 300-710   |
| G17 | : | 420-850   |
| G34 | : | 850-1200  |
| G47 | : | 1200-1700 |

Pack Size : 25 kg bag

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

See Guyson MSDS reference 15 for all other details

Guyson International Limited  
Snaygill Industrial Estate Keighley Road ▪ SKIPTON ▪ North Yorkshire ▪ BD23 2QR

Tel: +44 (0) 1756 799911 ▪ E-mail: [info@guyson.co.uk](mailto:info@guyson.co.uk) ▪ Website: [www.guyson.co.uk](http://www.guyson.co.uk)

Manual Blast Systems ▪ Semi/Fully Automated Blast System ▪ Robotic Blast Systems  
Ultrasonic Baths and Tanks ▪ Multi-Stage Aqueous Ultrasonic Systems ▪ Mono and Co-Solvent Cleaning Systems  
Rotary Basket Spray Wash Systems ▪ Spare Parts / Blast Media ▪ Service