

Technical Data Sheet Aquagrit

Trade Name: Aquagrit
 Description: A blend of crushed glass and calcium silicate
 Original Issue Date: September 2012
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SECTION 1 Chemical Analysis

Aquagrit is produced from a controlled mixture of inert recycled products including bottle bank glass. The silica contained within Aquagrit is bonded, and the product contains less than 0.1% free silica.

| Chemical Analysis | Chemical Formula | Typical Content % |
|-------------------|--------------------------------|-------------------|
| Silicon Dioxide | SiO ² | 45-55 |
| Sodium Oxide | Na ² O | 5-10 |
| Calcium Oxide | CaO | 16-26 |
| Magnesium Oxide | MgO | 2-4 |
| Aluminium Oxide | Al ² O ³ | 4-12 |
| Iron Oxide | Fe ² O ³ | 1-3 |
| Potassium Oxide | K ² O | 01-0.2 |
| Sulphur Trioxide | SO ³ | 0.1-0.2 |

SECTION 2 Physical Properties

| | |
|------------------|-------------|
| Shape | Angular |
| Colour | Brown/green |
| Specific Gravity | 2.75 g/cc |
| Bulk Density | 1.5 g/cc |
| Hardness | 5-6 moh |
| Solubility | Not soluble |
| Packaging | 25kg sacks |

SECTION 3 Grades

AquagritFine: 0.20- 1.5 mm
Aquagrit Extrafine: 0.2 – 0.7mm

SECTION 4 Compliance

This product is exempt from registration under REACH regulations. See SDS 39 on our web site.

Aquagrit can be used in any application where you would normally use an expendable abrasive. It has been specifically produced for use with Aquagrit slurry blast equipment and all other wetblast systems.

Special Precautions -In use, protection is required to meet threshold limit values for general dusts of 10 mg/m³ (for total inhalable dust) and 5 mg/m³ (respirable dust). Please also note the OELs for amorphous silicon dioxide dust of 6mg (inhalable) and 2.4 mg/m³ (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 1.5 tonnes and the pallets should not be stacked more than two high. Material should be kept dry.