

### Technical Data Sheet

### Military Specification Glass Bead AGB Series

Trade Name: MILBead AGBSeries  
 Description: AMS Specification Glass Beads  
 Original Issue Date: February 2012 (by Mac'Ants)  
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### SECTION 1

### Chemical Analysis

The material consists of prime graded glass beads, manufactured and compliant to AMS2431/6C. This is the highest specification for glass beads and invokes many of the parameters for MILBeads, but offers the tighter screening specifications.

Chemical Analysis	Chemical Formula	Typical Content %	Tolerance
Silicon Dioxide (amorphous)	SiO <sup>2</sup>	73	>67%
Sodium Oxide	Na <sup>2</sup> O	15	
Calcium Oxide	CaO	7	
Magnesium Oxide	MgO	4	
Aluminium Oxide	Al <sup>2</sup> O <sup>3</sup>	1	
Arsenic	As	<1 ppm	<75ppm
Lead	Pb	12ppm	<100ppm

### SECTION 2

### Physical Properties

Shape	Spherical
Colour	Clear/white
Specific Gravity	2.55 g/cc
Density	>2.3g/cc
Air Inclusions	<10% max (subject to grade)
Angular and Non Rounds	<3%
Magnetic Particles	<0.1%
Bulk Density	1.5 g/cc
Hardness	5 moh; Micro Hardness 500-550HV
Packaging	25kg paper sacks

## **SECTION 3**

### **Particle Size Distribution**

As per AMS specification.

## **SECTION 4**

### **Compliance**

This product is exempt from registration under REACH regulations. See SDS 40 on our web site.

Special Precautions -In use, protection is required to meet threshold limit values for general dusts of 10 mg/m<sup>3</sup> (for total inhalable dust) and 5 mg/m<sup>3</sup> (respirable dust). The user must establish any hazards present in the surface coatings being removed, which may reduce the occupational exposure standard (O.E.S.). The Petroleum section of the National Safety Council carried out research and concluded that the sparks generated when grit blasting are not capable of igniting inflammable atmospheres providing special precautions are taken. These results were later confirmed by a leading U.K. Oil Company. Refer to our Technical Dept. for copies of reports.

## **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.