

Technical Data Sheet Military Specification Glass Bead

Trade Name: MILBead
 Description: Military Specification Glass Beads
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SECTION 1 Chemical Analysis

The material consists of prime graded glass beads manufactured and compliant to specification MIL-G-9954, this specification includes parameters, for raw material hardness, gradation, silica content, silicone contamination, broken and angular parts, percentage spherical aswell as packaging.

Chemical Analysis	Chemical Formula	Typical Content %	Tolerance
Silicon Dioxide (amorphous)	SiO ²	73	>67%
Sodium Oxide	Na ² O	15	
Calcium Oxide	CaO	7	
Magnesium Oxide	MgO	4	
Aluminium Oxide	Al ² O ³	1	

SECTION 2 Physical Properties

Shape	Spherical
Colour	Clear/white
Specific Gravity	2.55 g/cc
Bulk Density	1.5 g/cc
Hardness	5 moh; Micro Hardness 500-550HV
Packaging	25kg paper sacks

SECTION 3 Particle Size Distribution

As per MIL-G-9954 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/m³ (for total inhalable dust) and 5 mg/m³ (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.).

SECTION 5 Disposal

The material 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 media 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.