

SAFETY DATA SHEET



B5KG GLASS BEADS FOR SHOT BLASTING (5kg TUB)

1. SUPPLIER

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2. APPLICATION

Beads suitable for use in shot blasting cabinets.

3. COMPOSITION/INFORMATION OF INGREDIENTS

Chemical composition: Typical Content:

Silicon Dioxide (SiO ₂)	73%
Sodium Oxide (Na ₂ O)	15%
Calcium Oxide (CaO)	07%
Magnesium Oxide (MgO)	04%
Aluminium Oxide (Al ₂ O ₃)	01%

4. HAZARD IDENTIFICATION

The material is not considered to be hazardous in normal use, but the following potential hazards should be recognised. Dust - inhalation Skin - Irritation in susceptible individuals

5. FIRST AID MEASURES

It is important that medical staff concerned should be fully advised of the nature of the material involved. First aid treatment should be sought whenever there is an accident and qualified medical attention obtained where necessary.

Eye injury:

Irrigate with copious quantities of water for at least ten minutes and obtain medical advice if irritation persists or if there is any tissue damage.

Accidental ingestion:

Rinse mouth with water and obtain medical advice immediately.

Skin contact:

Wash with plenty of water or soap and water. If irritation persists or any sign of tissue damage is apparent, obtain medical advice immediately.

6. FIRE-FIGHTING MEASURES

Not applicable

7. ACCIDENTAL RELEASE MEASURES

Not applicable

8. HANDLING AND STORAGE

The glass bead is supplied in a 5kg tub, with dessicate crystals. They should be stored in dry conditions and away from sources of heat. Care should be taken in storage of part-used tubs and where possible, tubs should be resealed or the remaining media stored in an air tight container to prevent moisture ingress. Prolonged contact with the skin should be avoided and protective clothing, such as overalls and PVC or cotton-chrome gloves should always be available. Face masks should be worn when dust is likely to be created.

9. EXPOSURE CONTROLS/PERSONAL PROTECTION

Not applicable

10. PHYSICAL & CHEMICAL PROPERTIES

Appearance:

Bulk density	
untamped:	1.5g/cm ³
Shape:	Spherical
Colour:	Colourless
Specific gravity:	2.55g/cm ³
Hardness:	5.0 Mohs

Size range:

Blended sizes in microns, 840/590, 590/420, 420/250, 297/177, 250/149, 210/105, 148/74, 105/53, 88/44 and 44/0. Glass beads are 80% within specific size ranges, with 70% spherical characteristic and broken or angular particles under 3%

11. STABILITY & REACTIVITY

Not applicable

12. TOXICOLOGICAL INFORMATION

Not applicable

13. ECOLOGICAL INFORMATION

Not applicable

14. DISPOSAL CONSIDERATIONS

The material is not regarded as notifiable for the purpose of the Control of Pollution (Special Wastes) Regulations 1980 SI 1709. It can be disposed of according to local authority regulations.

15. TRANSPORT INFORMATION

Not applicable

16. REGULATORY INFORMATION

Not applicable

17. OTHER INFORMATION

References:

HSE publications on Save Your Skin:

1. Occupational contact dermatitis (Ref MS(B)6)
2. Wear Gloves (Ref MS(B)10)
3. Guidance not MS24

Health surveillance of occupational skin disease. Available from Health & Safety Executive.

Dust In The Work Place: General Principles of Protection. Guidance note H40. 1993 issued by Health & Safety Executive (revised annually).

Sources of information: The Health & Safety Executive

Baynards House