# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

**Product Name:** SODA-LIME GLASS BEADS – ALL GRADES (7018.20.0000) CAS # 65997-17-3  
**Application:** Used in calibration, various industrial applications including blasting media, and functional additives.  
**Company:** Whitehouse Scientific Ltd, Whitchurch Road, Waverton, Chester, CH3 7PB, England  
**Tel/Email:** +44 (0) 1244 332626 info@WhitehouseScientific.com

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATION:** Glass beads are not considered to be hazardous by the EPA under 29 CFR 1910.1200 and the Federal Register, Vol. 51, No. 221, pp 41582-41594. The RCRA status in unused material is not hazardous according to the list of CERCLA chemical. It is not on the toxic chemical list in the Committee Print Number 99-169.

| Eye Contact | P280: May cause irritation  |
| Skin Contact | P264: May cause irritation  |
| Inhalation | P261: May cause irritation  |
| If swallowed | P331: Rinse mouth. Do NOT induce vomiting  |

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Description:** Beads made of Soda-Lime glass  
**Chemical composition:** SiO2 < 75%, Na2O < 15%, CaO < 10%, MgO < 5%  
**Coating (if applicable):** Silane-based—Not exceeding 1% by volume or weight.  
**Cas-Number:** 65997-17-3 [glass,oxide]; 308076-03-1 [glass, soda lime]  
**EINECS/REACH-Number:** 266-046-0

## 4. FIRST AID MEASURES

**Eye contact:** P280: Flush eyes immediately  
**Skin contact:** P264: Rinse skin with water  
**Inhalation:** P261: Remove to fresh air. If problems persist consult physician.  
**Advice to Physician:** Treat according to symptoms present

## 5. FIRE FIGHTING MEASURES

This product is not combustible. Slip-resistant soles recommended.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** P261: Do not breathe dust  
**P280:** Avoid contact with eyes  
**P261:** Use only in well-ventilated areas  
**Environmental Precautions:** No known hazard to aquatic life  
**Clean-Up Procedure:** Do not walk through spilled material. Shovel or sweep up and place it in suitable container.

## 7. HANDLING AND STORAGE

**Handling:** P261: Do not breathe dust  
**P280:** Avoid contact with eyes  
**P261:** In case of insufficient ventilation, wear suitable respiratory equipment.  
**Storage:** P261: Use only in well-ventilated areas. Keep bags and containers well closed. P402: Keep dry. Avoid wet conditions.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines (Dust):** No free SiO2, all components amorphous/non-crystalline solid.  
**Respiratory Protection:** Use a NIOSH-approved dust respirator where dust occurs.  
**Skin Protection:** Not required.  
**Eye Protection:** Safety glasses.  
**Equipment:** Eyewash fountain should be within direct access.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Amorphous Solid, Clear and Odourless  
**Safety Data:** Not applicable (insoluble in water)  
**Melting Point:** ~ 730-830°C  
**Specific Gravity/Density:** 2.5g/cm3

## 10. STABILITY AND REACTIVITY

**Stability:** Stable  
**Conditions to Avoid:** Dissolves in hydrofluoric acid and reacts with concentrated alkali. Immune to other acids and dilute bases.  
**Materials to Avoid:** None

## 11. TOXICOLOGICAL INFORMATION

**Subchronic Data:** There are no known reports of subchronic toxicity of nonfibrous glass.  
**Special Studies:** There are no known reports of carcinogenicity of nonfibrous glass. Nonfibrous glass is not listed by IARC, NTP or OSHA as a carcinogen

## 12. ECOLOGICAL INFORMATION

No ecological hazards are reported to be associated with this product.

## 13. DISPOSAL CONSIDERATIONS

Discard as non-hazardous inorganic solid waste, however we recommend verifying that any local laws may impose additional regulatory requirements regarding disposal.

## 14. TRANSPORTATION INFORMATION

**Land transport:** Non Hazardous for transportation purposes.  
**River transport:** Non Hazardous for transportation purposes.  
**Sea-transport:** Non Hazardous for transportation purposes.  
**Air-transport:** Non Hazardous for transportation purposes.  
**Other Information:** May be sent by mail.

## 15. REGULATORY INFORMATION

**Cautionary Label Phrases:** Not Applicable  
**National Regulations:** Not Applicable

## 16. OTHER INFORMATION

Soda-Lime Glass Beads refers to all Whitehouse Scientific brand names, (for various applications) unless otherwise stipulated. It remains the users own responsibility to ensure that the information is appropriate and complete for his special use of this product.

The information contained herein is to the best of our knowledge accurate, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept liability for any loss or damage, however arising, which result directly or indirectly from the use of such information.