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Ref: 1272/2008 Revision Date: 02/01/2018



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

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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
Chronic Hazards: Not known hazard

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

In case of insufficient ventilation, wear suitable respiratory equipment.

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.

Observe OSHA regulations for respirator use (29 C.F.R. §1910.134)

Skin Protection: Not required.

Eye Protection: Safety glasses.

Additional Protective Equipment: Eyewash fountain should be within direct access.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amorphous Solid, Clear and Odourless

Safety Data:

Ph: 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.