

Material Safety Data Sheet



Re: EC Directive 2001/58/EC

Microsphere Glass Beads and Granulate

1. Company and Material Identification

Company	AllGlass Reprocessors 49 Burnbrae Road Linwood Industrial Estate Linwood PA3 3BD
Customer Service Emergency Contact	T. + 44 [0]1505 325 564 T. + 44 [0]1505 325 564 www.allglass.uk
Product Name	Solid glass beads and glass grains, or mixtures of both
Application	Various industrial applications including; Road Safety Markings Peening and other surface treatments Functional Additives

2. Material Composition

Description	Soda-Lime glass (Amorphous Silica not Crystalline Silica)
Chemical Composition	SiO ₂ (68 – 75%) Na ₂ O (12 – 18%) CaO (7 – 12%) MgO (0 – 5%) Al ₂ O ₃ (0 – 2.5%) Heavy metal trace elements <200ppm for Pb, As & Sb
Coating	Silane based; not exceeding 1% by volume or weight [where applicable]
Cas-Number	308066-94-6
EC-List Number	919-828-7
CLP (EU) 1272/2008	The product is not classified as dangerous according to CLP Regulation (EC) Number 1272/2008

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3. Hazards Identification

Eye Contact	May cause irritation
Skin Contact	May cause irritation
Inhalation	May cause irritation
Ingestion	No known hazard
Chronic Hazards	No known hazard
Hazardous uses/misuses	No known hazard

4. First Aid Measures

Eye Contact	P338 – Remove contact lenses and continue to rinse with water, if eye irritation persists seek medical attention
Skin contact	P353 - Rinse skin with water, if skin irritation persists seek medical attention.
Inhalation	P342 - Remove to fresh air, if respiratory symptoms persist seek medical attention

5. Fire Fighting Measures

Not Applicable

6. Accidental Release Measures

Personal Precautions	P260 – Do not breathe dust P262 – Do not get in eyes P281 – Use personal protective equipment as required P285 – In case of inadequate ventilation wear respiratory protection
Environmental Precaution	S40 - Product extremely slippery when on surfaces Vacuum excess material only, do not sweep up

7. Handling and Storage

Handling	S22 – Do not breathe dust S25 – Avoid contact with eyes S38 – In event of insufficient ventilation, wear suitable respiratory equipment S51 – Use only in well ventilated areas
Storage	P402 – store in a dry place

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8. Exposure Controls / Personal Protection

Exposure Guidelines [Dust]	All components are amorphous/non-crystalline; no free silica
Respiratory Protection	Use dust respirator where dust occurs
Hand Protection	Cotton gloves
Eye Protection	Safety goggles
Skin Protection	Covering garments
Additional Protective Equip.	Shower and eyewash fountain should be in direct access



Workplace Exposure Limits

TWA (5mg/m³)

GB (WEL) – acc. To “EH40/2005” 5mg.m3 inhalable 4mg.m3 respirable

9. Chemical and Physical Properties

Appearance [Physical state]	Solid, clear, odourless
Softening point	~ 730°
Melting Point	~ 1130°C
Specific Gravity	2.45 – 2.55g/cc
Bulk Density	> 2.3 g/cc
Hardness [Mohs]	~ 6
[Rockwell]	~47 HRC

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10. Stability and Reactivity

Stability	Stable
Conditions to Avoid	None
Materials to avoid	Hydrofluoric acid

11. Toxicological Information

Acute Effects	Not applicable
Sub-chronic and Chronic	Not applicable

12. Ecological Information

No hazards reported

13. Disposal Considerations

Dispose as non-hazardous inorganic solid waste. Subject to any local regulatory requirement.

14. Transportation Information

Land Transport	Not regulated as dangerous goods
Canal/River	Not regulated as dangerous goods
Sea Transport	Not regulated as dangerous goods
Air Transport	Not regulated as dangerous goods
Other Information	Can be sent by Mail

15. Regulatory Information

Cautionary Label Phrases	Not applicable
National Regulations	Not applicable

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REACH Annex V exemptions

Raw Material - Glass

Based on the previous definition and the specific generic characteristic of inertness of glass, in October 2008, the EU Commission added glass to the list of substances exempted from certain provisions under REACH (ANNEX V of the REACH Regulation)², in particular Title II (registration of the substances), Title V (downstream users) and Title VI (evaluation).

Raw Material – Natural Gas

There are several parts of Annex V which give generic exemptions to substances that meet certain criteria. Details of these are given below:

The following substances which occur in nature, if they are not chemically modified: Natural gas is a gaseous fossil fuel which consists predominantly of saturated hydrocarbons. Natural gas can have different compositions depending on the source. The exemption covers both the raw and processed (purified for supply) gas.

Raw Material – Coatings and Process Chemicals

Substances do not need to be registered under REACH if they are manufactured or imported at less than 1 tonne per year, per manufacturer/importer.

16. Other information

Glass beads and glass grains refer to any, and all, AllGlass brand names, using soda-lime glass, unless otherwise specified.

It remains the users own responsibility to ensure that the information contained is appropriate for his use of this product

The information contained herein is to the best of our knowledge accurate, however, as 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 results directly or indirectly from the use of such information