

Safety Data Sheet Pursuant to 91/155/eec

Products: Glass Beads

Revised date: 18, May 2007

Supplier: DAMO-abrasives Import & Export Company Limited

1. Identification of material/preparation and firm	
1.1 Description of Products:	Glass Beads
1.2 Use of the products	Blasting and Road Mark
1.3 Supplier	
Firm	DAMO abrasives I/E Co., Ltd.
Address:	Rm.537, Jinhui Building
	No.2 Keyan West road, Tianjin, China
Tel	022-87899539
Fax	022-87899537

2. Composition/Information on ingredients	
Description	Glass Beads
EINECS	266-046-0
CAS NR.	65997-17-3
Chemical Contents	(average values)
SiO ₂	65% min.
Na ₂ O	14% min.
MgO	3% min.
CaO	8% min.
Al ₂ O ₃	2.5% max.
Fe ₂ O ₃	0.5% max.
K ₂ O	1.5% max.
SO ₃	0.5% max.

3. Possible Dangers	
Classification	Not subject to label requirements under the Dangerous Preparations Directive 1999/45/EC However, Please note the information contained in this safety data sheet. No danger of silicosis arises when using the product.
Additional danger warnings for humans and environment	

5. Fire-fighting measures	
Suitable extinguishing substances	Products itself does not burn. Adapt Extinguishing measures to environment.
Extinguishing substances which are	None Known.

not suitable due to safety reasons.	
Special dangers from the substance or the preparation itself, its combustion products or gases which arise.	None known
Special protective equipment in fighting fire	
Additional information	

6. Accidental release measures	
Person-related precautionary measures	Avoid dust formation. Granules on the floor lead to increased Danger of slipping, See protective Measures under points 7 and 8.
Environmental protection measures	-
Procedures to clean up	Take up mechanically and dispose of properly.
Additional information	

7. handling and storage	
7.1 Handling	
Information on dealing with product safely	Avoid dust formation
Information on fire and explosion protection	No special fire protection measures Necessary.
7.2 Storage	Store in the dry, Material tends to agglomerate in damp conditions.
Requirements of containers	-
Unsuitable material for containers	-
Information on mixed storage	LGK13(non-flammable solid materials)

8. Exposure limits and equipment for personal protection	
8.1 Exposure limit values/Occupational limit values	
General dust limit value	
Inhalable amount (E)	10 mg/m ³
Alveolar amount (A)	3 mg/m ³
8.2 Equipment for personal protection	
Respiratory protection	Normally, no personal respiratory protection is necessary in the case of insufficient ventilation or exceeding occupational limit values, a breathing Mask is to be worn(FFP filtering half-mask face, depending on the given concentration)

Hand Protection	Glove material: leather
Eye Protection	Tight-fitting protective goggles
Body protection	-
Protective and hygiene measures	Minimum standards regarding protective Measures for dealing with working substances are listed in TRGS 500. Do not eat, drink, smoke or take snuff during Work, Avoid contact with skin, eyes and clothes, Remove soiled or soaked clothes immediately wash hands before breaks and at the end of work, Precautionary protection of skin through skin ointments.

9. Physical and chemical properties	
9.1 Appearance	
State of aggregation	Solid
Shape	Round
Color	Translucent white
Smell	Odourless
9.2 Safety-relevant data	
pH value	n.m.a. (not meaningfully applicable)
Melting point	Approx. 730 °C
Solidification point	n.m.a. (not meaningfully applicable)
Boiling point	n.m.a. (not meaningfully applicable)
Flash point	Substance is inorganic.
Autoignition	The product is not self-igniting.
Danger of explosion	The product is not explosive
Relative density	Approx. 2.46 g/cm ³
Water solubility	Insoluble

10. Stability and reactivity	
Conditions to be avoided	-
Substances to be avoided	-
Dangerous decomposition points	No dangerous decomposition products Known.
Other details	-

11. Toxicological information	
Acute toxicity	-
Irritation and caustic effect on the skin	Not irritating
Irritation and caustic effect on eyes	Not irritating.
Sensitization	No sensitization known.

General comments	-
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12. Ecological information	
Ecotoxic effects	No damaging effect on water organisms is to be expected.
Information on elimination	This product is according to experience so far, inert and not degradable.
Further information on ecology	With proper handling and use, no environmental problems are to be expected.

13. Disposal considerations	
Disposal/ waste (product)	Unused abrasives: The allocation of the EWC codes/waste descriptions is to be carried out specific to branch and process in accordance with AAV. List of proposals for EWC codes/waste description pursuant to AAV; 120117 Abrasive waste with the exception of waste which comes under 120116.
Uncleaned packaging	The package can be reused after cleaning.

14. Transport information	
Transport	Not dangerous goods within the meaning of these transport regulations.

15. Regulations	
15.1 Labeling	
Labeling in accordance with EC Directive.	The preparations are not subject to labeling requirement under EC directives.
Code letter and description of danger	-
Danger-determining component for labeling	-
Danger symbols and descriptions of danger	-
R-sentences	-
S-sentences	26 in case of contact with eyes, immediately rinse thoroughly with water and consult doctor doctor. 37/39 wear suitable protective gloves and protective goggles when working.
15.2 National regulations	
Major Accidents Ordinance	-

Technical guidelines regarding air	-
Water endangerment category	Does not endanger water: Classification Pursuant to the Administrative Guideline onwater-Endangering substance (VwVwS ,appendix 4
Other regulations, restrictions and banning ordinances	-
15.3 International regulations	All ingredients of this material are listed on the TSCA inventory.

16 Other information

Further information	The details in this sheet correspond the best of our knowledge to our findings at the time of printing, the information is intended to provide indications on how to use the product named in this sheet safely in respect of storage, processing, transport and disposal, The information is not transferable to other products.
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