



MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1:1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Hollow Glass Spheres (Glass Bubbles) - All Types
 Distributor: CenoStar Corporation
 Suite #133
 Address: 25 Storey Ave
 Newburyport, MA 01950
 USA
 Telephone: 978-465-2705
 Document: STD_HGS_MSDS
 Date Prepared: October 20, 2006

Revision History	Date	Reason:
Version 1	August 13, 2013	Initial version
Version		

SECTION 2: COMPONENT INFORMATION

2:1 CAS :65997-17-3
 2:3 EINECS :266-046-0

SECTION 3: HAZARD IDENTIFICATION

3:1 Physical/chemical :None
 3:2 Environmental hazards :None
 3:3 Effects of exposure :Irritating to eyes and respiratory tract
 3:4 Inhalation :Irritant. Remove from exposure
 3:5 Skin contact :Irritant
 3:6 Eye Contact :Irritant

SECTION 4: FIRST AID

4:1 Ingestion	:Wash out mouth with water
4:2 Inhalation	:Remove from exposure to fresh air. Consult doctor if necessary
4:3 Contact with Skin	:Wash off with soap and water
4:4 Contact with Eyes	:Wash out with plenty of soap and water. Consult doctor if necessary

SECTION 5: FIRE FIGHTING MEASURES & EXPLOSION DATA

5:1 Extinguishing Media	:Usual extinguishing media
5:2 Hazardous thermal decomposition	:Emits toxic fumes under fire conditions
5:3 Protection for fire fighters	:Self-contained breathing equipment

SECTION 6: ACCIDENTAL SPILLAGE MEASURES

6:1 Personal Precautions	:Use appropriate protective clothing and equipment
6:2 Waste Disposal	:Collect spillage in sealed container for onward disposal. Prevent creation of dust

SECTION 7: HANDLING AND STORAGE

7:1 Handling	:Avoid generation of dust
7:2 Storage	:Store in closed containers and away from flammable Substances

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8:1 Eye Protection	:Safety goggles
8:2 Hand Protection	:Rubber coated gloves
8:3 Hygiene Measures	:When using avoid eating, drinking, and smoking
8:4 Respiratory system	:Dust Mask
8:5 Environment	:Ventilation required to minimize dust exposure

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9:1 Appearance	:White free flowing powder
9:2 Odor	:Odorless
9:3 Specific Gravity	:0.15-0.60

SECTION 10: STABILITY & REACTIVITY

10:1 Stability	:Stable
10:2 Conditions to avoid	:Strong oxidizing agent. Hydrogen Flouride Hazardous combustion or decomposition products, Silicon Oxide

SECTION 11: TOXICOLOGICAL INFORMATION

11:1 Oral :May be harmful if swallowed
 11:2 Eye irritation :Irritation
 11:3 Skin irritation :Irritation, Maybe harmful if absorbed through skin
 11:4 Inhalation :Irritation to mucous membranes and upper respiratory Tract

SECTION 12: TOXICOLOGICAL INFORMATION

12:1 Mobility :N/A
 12:2 Persistence and degradability :N/A
 12:3 Bio-accumulative potential :N/A
 12:4 Ecotoxicity :N/A

SECTION 13: DISPOSAL

13:1 Product Disposal :According to local legislation

SECTION 14: TRANSPORT INFORMATION

14:1 Classification :Not restricted

SECTION 15: REGULATORY INFORMATION

15:1 R-Phrase(s) :36/37/38
 15:2 S-Phrase(s) :26 36
 15:3 TLV and Source for Nuisance particulate : ACGIH TLV-TWA- 10mg/M³
 OSHA PEL- 8h TWA 15mg/M³ Total dust
 OSHA PEL- 8h TWS 5mg/M³ respirable fraction
 15:4 Reviews, Standards & Regulations :OEL+MAK
 ACGIH TLV - Confirmed animal carcinogen.
 DTLVS* TLV/BEI, 1999
 ACGIH TLV - Not Classified as a human carcinogen
 DTLVS* TLV BEI. 1999
 MSHA Standard - Nuisance particulates (Fibre or Dust)
 DTLVS* 3,144,1971
 OSHA PEL (Constuc) - 8 H TWA 15MG/M³. Total dust
 CFRGBR 29, 1926,55,1994.
 OSHA PEL (Construc) - 8H TWA 15MG/M³. Respirable
 fraction. CFGBR 29,1926,55,1994
 OSHA PEL (shipyard) - 8H TWA 15 MG/M³, Total dust
 CFRGBR 29,19 15.10 00,1993
 OSHA PEL (Shipyard) - 8H TWA 5MG/M³, Respirable
 fraction. CFR GBR 29,1915.1000,1993
 NIOS REL to Fibrous Glass-Air: 10h TWA 3 Million FB/M³
 NIOSH* DHHS # 92-100, 1992
 EPA TSCA Section 8(B) Chemical Inventory
 EPA TSCA Test submission (TSCATS)a base Jan 2001

SECTION 16: OTHER INFORMATION

16:1 Issue date

:15.05.06

16:2 Author

:Roger W. Foster

16:3 Other information

:The above information is BELIEVED to be correct but does not purport to be all-inclusive and should only be used as a guide. CenoStar shall not be held liable for any damage resulting from handling or from contact with the above product.

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