



## Life BioScience, Inc.

4343 Pan American Freeway NE, Suite 234  
 Albuquerque, New Mexico 87107  
 Telephone: (866) 559-8982 Fax: (866) 561-0975

### Material Safety Data Sheet

#### Section 1

<b>1.1 Product Name</b> Glass frit, disks, ingots, bars, wafers, beads	<b>1.4 Product Identity:</b> LBSI-CMG-8
<b>1.2 Manufacturer's Name</b> Life BioScience, Inc.	<b>1.5 Emergency Telephone Number</b> (866) 559-8982
<b>1.3 Address</b> 4343 Pan American Freeway NE, Suite 234	<b>1.6 Date Prepared/Modified</b> August 10, 2011
Albuquerque, New Mexico 87107	<b>1.7 Hours of Operation</b> Monday through Friday; 8am to 5pm MT

#### Section 2 - Hazards Information

<b>2.1 Emergency Overview:</b>	None
<b>2.2 OSHA Regulatory Status:</b>	None
<b>2.3 Potential Health Effects:</b>	Glass and nuisance dust may cause temporary respiratory and/or eye irritation. Possible contact dermatitis. Chronic exposure may cause Argyria. Slipping hazard can be present when spilled on floor.
<b>2.4 Potential Environmental Effects:</b>	None

#### Section 3 – Composition / Information on Ingredients

<b>3.1 Chemical Name</b> Glass, Oxide and Chemicals (Proprietary)	<b>3.2 CAS #</b> 65997-17-3	<b>3.3 EINECS (ELINCS)</b> 266-046-0	<b>3.4 WT. %</b> 100%
---	--------------------------------	---	--------------------------

#### Section 4 – First Aid Measures

<b>4.1 Eyes</b> Flush irritated eye with water or commercial eyewash. If unable to remove dust or beads by this method seek medical care
<b>4.2 Inhalation</b> Remove victim to well-vented area. Seek medical care if this does not alleviate the condition
<b>4.3 Skin</b> Thorough cleansing reduces contact dermatitis

#### Section 5 – Fire Fighting Measures

<b>5.1</b> Not applicable; Not a fire hazard
--

#### Section 6 – Accidental Release Measures

<b>6.1</b> Vacuum or sweep up spilled material to prevent slipping hazards
--

#### Section 7 – Handling and storage

<b>7.1</b> No special precautions are needed, but safety glasses reduce possibility of eye irritation of glass breakage, and gloves reduce risk of skin lacerations from glass breakage.
<b>7.2</b> Store under dry conditions



## Life BioScience, Inc.

4343 Pan American Freeway NE, Suite 234  
 Albuquerque, New Mexico 87107  
 Telephone: (866) 559-8982 Fax: (866) 561-0975

### Section 8 - Control Measures

8.1 Exposure Guidelines:					
	Component	OSHA PEL	ACGIH TLV	Unit	
	Nuisance dust (>5µm)	15	10	mg/m <sup>3</sup>	
	Nuisance dust-respirable (<5µm)	5	5	mg/m <sup>3</sup>	

8.2 Engineering Controls: Adequate ventilation

8.3 Personal Protective Equipment: Dust mask, gloves, and safety glasses

### Section 9 – Physical and Chemical Properties

9.1 Glass appears to be clear in color, tasteless, odorless					
9.2 The absorption of silver and its compounds over prolonged periods of time may cause argyria, a permanent blue/gray discoloration of the eyes, skin, and mucous membranes.					
9.3 Physical Properties					
Specific Gravity	~2.0g/cm <sup>3</sup>	Boiling Point	Not Measurable		
Softening Point	>450°C	Vapor Pressure	Not Applicable		
Slightly soluble in water					

### Section 10 – Stability and Reactivity

10.1 Conditions to Avoid: Store away from UV and sunlight					
10.2 Materials to Avoid: Breakdown occurs in strong acids and bases, such as hydrofluoric acid and sodium hydroxide					
10.3 Hazardous Decomposition Products: Not applicable					

### Section 11 – Toxicological Information

11.1 Possible Routes to Exposure:					
Inhalation is not likely for material >5µm in diameter					
Ingestion is possible if good hygiene practices are not followed					
Eye irritation is possible if safety glasses/goggles are not worn					
Skin contact may result in contact dermatitis. Temporary skin discoloration may occur upon exposure to UV or sunlight					

### Section 12 – Ecological Information

12.1 Not applicable					
---------------------	--	--	--	--	--

### Section 13 – Disposal Considerations

13.1 Glass can be disposed of in a solid waste landfill					
---	--	--	--	--	--

### Section 14 – Transport Information

14.1 Class 55; Item number 87660					
14.2 Proper Shipping Name: Glass					

### Section 15 – Regulatory Information

15.1 Not applicable					
---------------------	--	--	--	--	--

### Section 16 – Other Information

16.1 Disclaimer: The information and recommendations herein are based upon data believed to be correct for material as shipped. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to this information.					
--	--	--	--	--	--