



**Bead Brite Research**

**4811 Lyons Tech Pkwy**

**Coconut Creek, FL 33073**

**Tel: (954) 426-2360**

**Fax: (954) 426-0296**

## Material Safety Data Sheet

### 1. Product and Manufacturer Identification

Product Name: MB6  
Trade Name: Mini Beads  
Chemical Name: Pyrolized Glass

Office address: 4811 Lyons Tech Pkwy  
Suite 4  
Coconut Creek, FL 33073  
USA

Telephone (954) 426-2360  
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Email [Beadbrite@aol.com](mailto:Beadbrite@aol.com)

### 2. Hazardous Ingredients

Material Description	CAS #	Range %	OSHA (PEL)	ACGIH (TLV)	Other limits Recommended
Silica, Amorphous (SiO <sub>2</sub> )	7631-86-9	47.4-52.8%	80 mg/m <sup>3</sup> /%SiO <sub>2</sub> T	10mg/m <sup>3</sup> T	NIOSH 8 mg/m <sup>3</sup>
Silica, Crystalline (SiO <sub>2</sub> )	148-086-97	.33-74%	30 mg/m <sup>3</sup> /(%siO <sub>2</sub> ) =2 T	0.1 mg/m <sup>3</sup> R	0.05 mg/m <sup>3</sup>
Alumina, Respirable (Al <sub>2</sub> O <sub>3</sub> )	1344-28-1	25.3-26.9%	15mg/m <sup>3</sup> T	10 mg/m <sup>3</sup> T	N/A
Calcium Oxide (CaO)	1305-78-8	11.3-15.6%	5 mg/ m <sup>3</sup> T	2 mg/ m <sup>3</sup>	N/A
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	1309-37-1	3.3-3.9%	10 mg/ m <sup>3</sup> T	5mg/ m <sup>3</sup> T	N/A
Magnesium Oxide (MgO)	1309-48-4	2.2-2.8%	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	N/A

R= Respirable Dust T= Total

This product does not have a significant respirable particle size distribution. However, various material handling operations may produce dust with respirable particles. Materials present at >0.5% and <12% are not listed is OSHA or ACGIH include Potassium and Carbon. Also subject to alternative TLV for respirable particles not otherwise classified (NOC)- 3mg/m<sup>3</sup>

### 3. Physical Data

Boiling Point (F\*): N/A Specific Gravity (H<sub>2</sub>O=1): N/A Vapor Pressure (mm Hg): N/A  
Percent Volatile by Volume (%): N/A Vapor Density (Air=1): N/A Ph: N/A  
Evaporation Rate (Butyl Acetate=1): N/A Solubilty in Water: N/A

NFPA	Fire	Red	0
	Health	Blue	1
	Reactive	Yellow	0
	Special	White	

0= Minimum Hazard, 1= Slight Hazard, 2= Moderate Hazard, 3= Serious Hazard, 4= Severe Hazard  
Appearance and Odor: Grayish white powder, odorless



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## **5. Fire and Explosion Data**

Flash Point: N/A

Flammable Limits LEL: N/A UEL: N/A

Extinguishing Media: N/A

Special Firefighting Procedures: N/A

## **6. Reactivity Data**

Stability: Stable

Conditions to Avoid: N/A

Incompatibility (Materials to Avoid): N/A

Hazardous Decomposition Products: N/A

Hazardous Polymerization: Will not occur

Conditions to Avoid: N/A

## **7. Health Hazard Data**

Route of Exposure: Inhalation, Skin, Ingestion

Health Hazard

Acute: Irritation of the eyes, skin and mucous membranes. Repeated overexposure to very high levels of respirable crystalline silica for periods as short as six months have caused acute silicosis.

Chronic: Fibrotic disease of the lungs (silicosis) and carcinogenicity.

Carcinogenicity: IARC Monographs

Signs and Symptoms of Exposure

Silicosis: Shortness of breath, cough, fever, weight loss and chest pain

Medical Conditions Generally Aggravated by Exposure: Excessive dust exposure may aggravate any existing respiratory disorders or diseases. Possible complications of allergies resulting in irritation to skin, eyes and respiratory passage may occur from excessive exposure to dusts.

Emergency and First Aid Procedures:

Skin: Wash with soap and water

Eyes: Rinse eyes with water for at least 15 minutes, lifting eyelid occasionally

Ingestion: Do not induce vomiting. Dilute by drinking water or milk. Never give anything by mouth to unconscious person. Keep victim warm and at rest. See a physician

Inhalation: Remove from dusty area to fresh air



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## **8. Precautions for Safe Handling and Use**

Steps to be taken in case Material is Released or Spilled:

Clean up for use or disposal. Dampen with water mist to control dust before removal. Do not use compressed air. If loaded on trucks, wet down material to prevent dusting during transport.

Waste Disposal Method:

Dispose of in a landfill, observe local, state and federal regulations. This material is not a RCRA hazardous waste.

Precautions to be taken in Handling and Storing:

Store in dry conditions. Minimize dust. Avoid creating dust.

## **9. Labeling**

**WARNING:** normal safety precautions are advised when handling these materials. Dampen with a water mist to control airborne dust and use appropriate personal protective equipment to avoid inhalation and exposure to eyes, skin and mucus membranes and chronic exposure could lead to fibrotic disease of the lungs. This product contains silica which has been identified as a carcinogen. If contact is made, areas affected should be thoroughly flushed with water. Medical attention is advised in case of ingestion, inhalation or eye contact.

## **10. Control Measures**

Respiratory Protection: None requires under PEL. If PEL is exceeded, use MSHA/NIOSH TC-21C-XXX respirators

Type of ventilation: Local Exhaust, Mechanical (General)

If special or other specify: Use local exhaust during transfer to stay below PEL. Use mechanical ventilation for indoor work places as needed.

Eye Protection: Safety goggles recommended

Protective Gloves: Work gloves as needed

Work/Hygienic Practices: Use good hygiene practices and observe above precautions



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This has been prepared to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200

The information on this Material Safety Data Sheet (MSDS) reflects the latest information and data that we have on hazards, properties and handling of this product under the recommended conditions of use. Any modifications of this product use or method of application is the responsibility of the user. Seller makes no other warranty or representation of any kind, expressed or implies, concerning the product. This Material Safety Data Sheet (MSDS) was prepared in compliance with OSHA Hazard Communication Standard.