

1. MATERIAL IDENTIFICATION

Product Name:  **ANGSTRÖMSphere UNIFORM SUB-MICRON Silica Spheres**

Emergency Phone: For product emergencies involving spill, leak, fire, exposure, or accident call CHEMTREC at (800) 424-9300. For all other inquiries call **Fiber Optic Center™, Inc.** at (800) 473-4237.

2. COMPOSITION

Hazardous Components	CAS No.	Percent	<u>Exposure Limits</u>		OTHER	
			ACGIH TLV-TWA	OSHA PEL	TWA	PEL
Amorphous Silicon Dioxide	7631-86-9	99+	NE	NE	NE	NE

Abbreviations: N.E. = Not Established

3. HEALTH HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eyes: No Skin: NO Inhalation: Yes

Eye Contact: No information available.

Skin Contact: No information available.

Inhalation: No known effects other than possible temporary discomfort due to inhalation of high dust concentration.

Ingestion: No information available.

4. FIRST AID MEASURES

Eyes: Flush eyes with plenty of water.

Skin: No information available.

Inhalation: Remove to fresh air.

Ingestion: No information available.

5. ACCIDENTAL RELEASE MEASURES

May be swept up or vacuumed for normal disposal.

Waste Disposal Method

Close container or bag and use ordinary disposal method for non hazardous waste.

 **ANGSTRÖMSphere™** is a TRADEMARK of FIBER OPTIC CENTER, INC., NEW BEDFORD MA, USA

Fiber Optic Center™, Inc. MAKES NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS OR OTHERWISE, with respect to its products. In addition, while the information herein is believed to be reliable, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. All recommendations or suggestion for use are made without guarantee -- inasmuch as conditions of use are beyond our control. The properties given are typical values, and are not intended for use in preparing specifications. Users should make their own test to determine the suitability of this product for their own purposes.

Rev. A 10/2002

Fiber Optic Center™, Inc., 23 Centre Street, New Bedford, MA, 02740-6322, USA

Toll Free: (800) IS-FIBER or (800) 473-4237 • Phone: (508) 992-6464 • Fax: (508) 991-8876 • Website: www.focenter.com

E-mail: sales@focenter.com

6. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point:	Not determined
Explosive Limits:	Not determined
	Not determined
Auto – Ignition Temperature:	Not determined
Hazardous Decomposition Products:	None

UNUSUAL FIRE AND EXPLOSION HAZARDS

Dry powder materials can build static electric charges when subjected to friction. Proper precautions, when using the silica powders in presence of flammable or explosive liquids should be taken to prevent accidents. (see NFPA-77 Static Electricity)

7. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering / Ventilation Controls:	Exhaust to below PEL and TLV levels.
Respiratory Protection:	Respirator Recommended.
Skin Protection:	Gloves Recommended.
Eye Protection:	Safety goggles recommended.

8. STABILITY AND REACTIVITY

Chemical Stability:	Stable.
Conditions and Materials to Avoid:	None
Hazardous Decomposition Products:	None
Hazardous Polymerization:	will not occur.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance / State:	Fine white powder	Boiling Point:	Not determined
Odor:	Odorless	Freezing Point:	Not determined
pH:	7.0(4% aqueous slurry)	Specific Gravity:	approx. 2.0g/cc
Vap. Pressure (mmHg):	Not determined	Solubility in Water:	insoluble
Vap. Density (air = 1):	Not determined		

10.REGULATORY INFORMATION

DOT Proper Shipping Name: Not regulated

HMIS RATINGS:

Health: 1 FIRE: 0 Reactivity: 0

ANGSTRÖMSphere™ is a TRADEMARK of Fiber Optic Center, Inc., New Bedford MA, USA

Fiber Optic Center™, Inc. MAKES NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS OR OTHERWISE, with respect to its products. In addition, while the information herein is believed to be reliable, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. All recommendations or suggestion for use are made without guarantee -- inasmuch as conditions of use are beyond our control. The properties given are typical values, and are not intended for use in preparing specifications. Users should make their own test to determine the suitability of this product for their own purposes.

Rev. A 10/2002

Fiber Optic Center™, Inc., 23 Centre Street, New Bedford, MA, 02740-6322, USA

Toll Free: (800) IS-FIBER or (800) 473-4237 • Phone: (508) 992-6464 • Fax: (508) 991-8876 • Website: www.focenter.com

E-mail: sales@focenter.com