

**Fiber Ceramics, Inc.**  
**Ceramic Foam Filters & Advanced Refractories**

**MATERIAL SAFETY DATA SHEET**

**FiberOx<sup>R</sup> T1**

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**SECTION I – GENERAL INFORMATION**

Manufacturer: Fiber-Ceramics, Inc.  
10390 Taconic Terrace  
Cincinnati, Ohio 45215  
(513) 772-7090

Date last revised: Sept. 2011  
Product Type: Sintered Ceramic Foam Body  
Trade Name: FiberOX T1  
Chemical Name: Zirconia Toughened – Aluminum Oxide  
Chemical Family: Sintered Ceramic Foam Body

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**SECTION II – CHEMICAL INFORMATION**

<u>Hazardous Ingredients:</u>	<u>CAS #</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Silicon Oxide	7631-869	0.8	15 mg/m3 Total dust as (Si) 5 mg/m3 Respirable fraction	N/A
Zirconium Oxide	1314-143	3	5 mg/m3 as (Zr)	5 mg/m3 as (Zr)
Aluminum Oxide	1344-28-1	95	15 mg/m3 Total dust 5 mg/m3 Respirable fraction	1mg/m3 as (Al)
Magnesium Oxide	1309-48-4	0.5	15 mg/m3 Total dust	10 mg/m3
Titanium Oxide	13463-677	0.4	N/A	N/A
Hafnium Oxide	12055-231	0.2	0.5 mg/m3	0.5 mg/m3

\*\* Product is only available in a fully sintered body. Chemicals shown above are locked into the crystal structure of the sintered body and are not in a free state.

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**SECTION III – PHYSICAL DATA**

Specific Gravity (H<sub>2</sub>O = 1) 4.1 g/cc  
Solubility in water: N/A  
Melting Point: 2977 F  
Appearance and Odor: Odorless off-white or ivory porous body.

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**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

Auto Ignition Temperature: N/A

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Extinguishing Media: N/A  
Special Fire Fighting Procedure: Will not burn, will not support combustion.  
Unusual Fire and Explosion Hazard: N/A

#### SECTION V - HEALTH HAZARD DATA

##### Effects of Overexposure:

Inhalation: N/A (sold as a solid body only)  
Eyes: Sold as a solid body only. Grinding, slicing or other means of fabrication are not advised. Order custom shapes and sizes if required.  
Skin: May cause irritation with repeated use.  
Ingestion: N/A

Primary Route(s) of Entry: N/A

##### Emergency and First Aid Procedures

Inhalation: N/A  
Eyes: Flush eye with water for 15 minutes. Seek medical attention.  
Skin: Wear abrasion resistant gloves. Wash hands with soap and water.  
Ingestion: N/A

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#### SECTION VI – REACTIVITY DATA

Stability: Stable  
Condition to Avoid: None  
Incompatibility: None  
Materials to Avoid: None  
Hazardous Polymerization: None  
Hazardous Decomposition Products: None

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#### SECTION VII – ENVIRONMENTAL PROTECTION PROCEDURES

Steps to be taken in Case of a Spill: N/A  
Waste Disposal Method: Dispose of in accordance with local, state, and federal regulations.

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#### SECTION VIII - SPECIAL PROTECTION PROCEDURES

Ventilation: None required. Grinding, slicing or other means of fabrication is not advised. Order custom shapes and sizes if required.  
Respiratory Protection: None Required. Avoid grinding or slicing product.  
Protective Gloves: Wear abrasion resistant gloves.  
Eye Protection: Wear approved eye protection.

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#### SECTION X – SPECIAL PRECAUTIONS

Maintain good housekeeping practices.

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#### NOTICE

This data sheet is based on OSHA Form 174, but modified to more adequately suit Ceramic Filter Products. All data are subject to reasonable variation. This information is supplied in good faith by Fiber Ceramics, Inc. and is applicable to the product shipped.

Your application of the product may change its characteristics. The data provided herein are believed correct or are obtained from sources believed generally reliable. Fiber Ceramics shall not be liable for any loss or damage directly or indirectly arising from the use of this product and assumes no obligation or liability for reliance of the information contained in this data sheet. This data is not part of any contract or condition of sale. It is solely supplied as an accommodation to the buyer.