



## MATERIAL SAFETY DATA SHEET

### TaoFil Foam Filter FCF-1

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#### SECTION I – GENERAL INFORMATION

Vendor: Ceramsource, Inc.  
PO BOX 6026  
East Brunswick, 08816  
(732)257-5002  
Date Last Revised: 01/01/2014  
Product Type: Sintered Ceramic Foam Body  
Trade Name: TaoFil FCF-2  
Chemical Name: Zirconia Toughened – Aluminum Oxide  
Chemical Family: Sintered Foam Body  
Originality: Made in China

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#### SECTION II – CHEMICAL INFORMATION

Hazardous Ingredients:	CAS Number:	PCT:	TLV:
Aluminum Oxide	1344-281	95.0	10 mg/m3
Zirconium Oxide	1314-143	03.0	5 mg/m3
Silicon Oxide	7631-869	00.8	**
Magnesium Oxide	1309-48-4	00.5	10 mg/m3
Titanium Oxide	13463-677	00.4	**
Hafnium Oxide	12055.231	00.2	**

\*\* Product is only available as 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: Light brown. Odorless.

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

Auto Ignition Temperature: N/A  
Extinguishing Media: N/A  
Special Fire Fighting Procedures: Will not burn, will not support combustion  
Unusual Fire and Explosion Hazards: N/A

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## SECTION V – HEALTH HAZARD DATA

Effects of Overexposure: N/A  
Inhalation: N/A (sold as a body only)  
Eyes: Sold as a body only. Grinding slicing or other means of fabrications are not advised. Order custom shapes and sizes if required.  
Skin: Chemically: Bio-inert (sold as a body only)  
Mechanically: Abrasion to the skin may occur with repeated handling.  
Ingestion: N/A (sold as a body only. Bio-inert)

**Primary Route(s) of Entry:** N/A

### Emergency and First Aid Procedures:

Inhalation: N/A  
Eyes: Wear approved eye protection when handling in the presence of compressed air or when excessive handling causes webs of particles to break from the body.  
Skin: Wear abrasion resistant gloves.  
Ingestion: N/A (sold as a body only. Bio-inert)

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## SECTION VI – REACTIVITY DATA

Stability: Non-reactive  
Conditions to Avoid: N/A  
Incompatibility: N/A  
Materials to Avoid: N/A  
Hazardous Polymerization: N/A  
Hazardous Decomposition Products: N/A

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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: N/A  
Respiratory Protection: N/A  
Protective Gloves: N/A  
Eye Protection: N/A

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## **SECTION IX – 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 Ceramsource, Inc. and is applicable to the product as 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. INTERSOURCE USA, INC. 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.