



## MATERIAL SAFETY DATA SHEET

### SECTION I – Product/Company Identification

**1.1 Product Trade Name:** FiberGel® E F/X Grade Alginate  
**1.2 Part (Item) Number:** AM1F0102, AM1F0110, AM1F0120, and AM1F0150  
**1.3 Division Name:** ArtMolds  
**1.4 Address:** 18 Bank Street  
 City State ZIP: Summit NJ 07901  
**1.5 Emergency Telephone:** 1-866-278-6653  
**1.6 Information Telephone:** 1-908-273-5401  
**1.7 Date Prepared:** 6/15/2003 **Date Revised:** 6/15/2003

### SECTION II – Hazardous Ingredients/Identity Information

<u>Hazardous Components</u>	<u>SHA PEL</u>	<u>ACGIH TLV</u>
Amorphous Silica – Diatomaceous Earth	1.2 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Calcium Sulfate	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Tetrasodium Pyrophosphate	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Sodium Alginate (as nuisance dust)	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Magnesium Oxide (as nuisance dust)	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

**Warning:** This product contains silica, crystalline (airborne particles of respirable size) that is known by the State of California to cause cancer.

#### OTHER INFORMATION:

FiberGel contains inert man made fibers

### SECTION III – Physical/Chemical Properties

<b>3.1 Boiling Point:</b> N/A	<b>3.6 Specific Gravity:</b> 0.3 g/cm <sup>3</sup>
<b>3.2 Vapor Pressure:</b> N/A	<b>3.7 Melting point:</b> N/A
<b>3.3 Vapor Density:</b> N/A	<b>3.8 Evaporation rate:</b> N/A
<b>3.4 Solubility in water:</b> Partially Soluble	
<b>3.5 Appearance and odor:</b> Fluffy powder, may be colored	

### SECTION IV – Fire and Explosion Hazard Data

<b>4.1 Flash Point (method used):</b> N/A		
<b>4.2 Flammability (explosive limits):</b>	LEL: N/A	UEL: N/A
<b>4.3 Extinguishing media:</b> N/A		
<b>4.4 Special fire fighting procedures:</b> N/A		
<b>4.5 Unusual fire and Explosion hazards:</b>	In common with most organic materials, this product should be treated as a combustible dust in the finely divided and suspended state.	

### SECTION V – Reactivity Data

<b>5.1 Stability:</b>	<b>Unstable:</b>	<b>Stable:</b> X
<b>5.2 Conditions to avoid:</b>	High humidity and water contamination will cause material to gel. Prolonged exposure to heat greater than 60° C (140° F)	
<b>5.3 Incompatibility (materials to avoid):</b>	Hydrofluoric Acid	
<b>5.4 Hazardous decomposition or byproducts:</b>	N/A	
<b>5.5 Hazardous polymerization:</b>	<b>May Occur:</b>	<b>May not occur:</b> X



**5.6 Conditions to avoid (polymerization)** High humidity and prolonged heat greater than 60° C

## SECTION VI – Health Hazard Data

<p><b>6.1 Primary routes(s) of entry:</b></p> <p><b>6.2 Health Hazards (acute and chronic):</b></p> <p><b>6.3 Carcinogenicity:</b></p> <p><b>6.4 Signs and symptoms of exposure:</b></p> <p><b>6.5 Medical conditions generally aggravated by exposure:</b></p> <p><b>6.6 Emergency First aid procedures:</b></p>	<p><b>Inhalation?:</b> Yes      <b>Skin?:</b> No      <b>Ingestion?:</b> Yes</p> <p><b>Acute:</b> Transitory upper respiratory irritation or eye irritation</p> <p><b>Chronic:</b> Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group I). Inhalation of crystalline silica is known as a cause of silicosis, a non-cancerous lung disease caused by excessive exposure to crystalline silica. Respirable dust from this product may contain up to 52% free crystalline silica. As such it represents a risk to the respiratory system. Long term, unprotected exposure to dust levels in excess of the TLV or PEL may cause lung disease (silicosis).</p> <p><b>NTP?:</b> Proposed      <b>IARC monographs:</b> Yes (Group 1)      <b>OSHA Regulated?:</b> Yes</p> <p><b>Inhalation:</b> Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. <b>Eyes:</b> temporary irritation or inflammation. Not hazardous when ingested.</p> <p>Pre-existing upper respiratory and lung diseases such as but not limited to bronchitis, emphysema, and asthma. <b>Target organs:</b> Lungs and eyes.</p> <p>Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust. For eyes flush with copious amounts of water for 15 minutes. If irritation persists consult a physician.</p>
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## SECTION VII – Precautions for Safe Handling

<p><b>7.1 Steps to be taken in case material is released or spilled:</b></p> <p><b>7.2 Waste Disposal methods:</b></p> <p><b>7.3 Precautions to be taken in handling and storage:</b></p> <p><b>7.4 Other precaution:</b></p>	<p>Vacuum dust with equipment fitted with a HEPA filter. Use dust suppression such as water if sweeping is necessary. Sweep up spilled material and place in closed containers for disposal.</p> <p>Dispose of in accordance with Federal, State and Local regulations</p> <p>Minimize dust generation and accumulation. Avoid breathing dust, avoid contact with eyes. Reclose packages and containers immediately. Continue to follow all MSDS/label warnings when handling empty containers. Observe normal warehouse handling procedures. Store in a cool dry area. Store away from foodstuffs and beverages.</p> <p>The avoidance of any air contaminant is always a recommended practice. Adherence to work place ventilation standards is an assurance of general personal health and comfort.</p>
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## SECTION VII – Control Measure / Personal Protection

<p><b>8.1 Respiratory protection:</b></p> <p><b>8.2 Ventilation:</b></p> <p><b>8.3 Protective gloves:</b></p> <p><b>8.4 Eye protection:</b></p> <p><b>8.5 Other protective clothing or equipment:</b></p> <p><b>8.6 Work/Hygienic practices:</b></p>	<p>Recommended NIOSH approved nuisance dust mask. &lt;10X PEL, use 3M 9900; &lt;100X PEL, use MSA Ultra-twin with H Filter; &lt;200X PEL, use MSA 01-00-06 with type C supplied for air unit (continuous flow mode); or equivalent.</p> <p>Use sufficient natural or mechanical ventilation to keep dust level below PEL.</p> <p>Rubber gloves</p> <p>Goggles or safety glasses with shields</p> <p>Rubber apron</p> <p>Avoid dusting when in use. Observe normal care when working with chemicals.</p>
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NFPA – National Fire Protection Association  
 N/A – Not Applicable  
 N/E – Not Established

NFPA HAZARD CLASSIFICATIONS	
Health	2
Flammability	0
Reactivity	0



Specific Hazard	N/A
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**ARTMOLDS 1004 6/15/2003**