

**ARTMOLDS**  
THE ART OF IMITATING LIFE

## MATERIAL SAFETY DATA SHEET

33567-1001  
- 1010  
- 1020  
33584-1050

### 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

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

### SECTION IV – Fire and Explosion Hazard Data

4.1 Flash Point (method used): N/A  
 4.2 Flammability (explosive limits): LEL: N/A UEL: N/A  
 4.3 Extinguishing media: N/A  
 4.4 Special fire fighting procedures: N/A  
 4.5 Unusual fire and Explosion hazards: 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

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

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

**SECTION VI – Health Hazard Data**

6.1 Primary routes(s) of entry:	Inhalation?: Yes    Skin?: No    Ingestion?: Yes
6.2 Health Hazards (acute and chronic):	Acute: Transitory upper respiratory irritation or eye irritation Chronic: 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).
6.3 Carcinogenicity:	NTP?: Proposed    IARC monographs: Yes (Group I)    OSHA Regulated?: Yes
6.4 Signs and symptoms of exposure:	Inhalation: Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. Eyes: temporary irritation or inflammation. Not hazardous when ingested.
6.5 Medical conditions generally aggravated by exposure:	Pre-existing upper respiratory and lung diseases such as but not limited to bronchitis, emphysema, and asthma. Target organs: Lungs and eyes.
6.6 Emergency First aid procedures:	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.

**SECTION VII – Precautions for Safe Handling**

7.1 Steps to be taken in case material is released or spilled:	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.
7.2 Waste Disposal methods:	Dispose of in accordance with Federal, State and Local regulations
7.3 Precautions to be taken in handling and storage:	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.
7.4 Other precaution:	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.

**SECTION VII – Control Measure / Personal Protection**

8.1 Respiratory protection:	Recommended NIOSH approved nuisance dust mask. <10X PEL, use 3M 9900; <100X PEL, use MSA Ultra-twin with H Filter; <200X PEL, use MSA 01-00-06 with type C supplied for air unit (continuous flow mode); or equivalent.
8.2 Ventilation:	Use sufficient natural or mechanical ventilation to keep dust level below PEL.
8.3 Protective gloves:	Rubber gloves
8.4 Eye protection:	Goggles or safety glasses with shields
8.5 Other protective clothing or equipment:	Rubber apron
8.6 Work/Hygienic practices:	Avoid dusting when in use. Observe normal care when working with chemicals.

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