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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: EnvironMolds, LLC
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 ³	10 mg/m ³
Calcium Sulfate	10 mg/m ³	10 mg/m ³
Tetrasodium Pyrophosphate	5 mg/m ³	5 mg/m ³
Sodium Alginate (as nuisance dust)	15 mg/m ³	10 mg/m ³
Magnesium Oxide (as nuisance dust)	15 mg/m ³	10 mg/m ³

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 ³
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	LEL: N/A	UEL: N/A
4.2 Flammability (explosive limits):		
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	



Environ Molds

5.5 Hazardous polymerization: **May Occur:** **May not occur: X**
 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 1). 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 1) 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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