

Material Safety Data Sheet

Freeman Econo-Fil

Date of Preparation: October 2, 2008

Revision:

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Freeman Econo-Fil

Chemical Family: Polyester

CAS Number: N/A

Other Designations: N/A

General Use: N/A

Manufacturer: Freeman Manufacturing and Supply Company, 1101 Moore Road, Avon, OH 44011 Phone (440) 934-1902, FAX (440) 934-7200, Hours of Operation 8-5, Emergency phone number 1-800-424-9300.

HMIS

H 2

F 3

R 2

PPE†

†Sec. 8

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Inhalation

Irritation

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Styrene	100-42-5	10-20
Non-Fibrous Talc	14807-96-6	35-45
Calcium Carbonate	1317-65-3	5-15
Glass Beads	50815-87-7	1-5
Silicon Dioxide Amorphous	7631-86-9	1-5

Ingredient	OSHA PEL		ACGIH TLV		Vapor Pressure
	TWA	STEL	TWA	STEL	
Styrene	100 ppm	600 ppm	20 ppm *	40 ppm	4.5 mm Hg @ 60°F
Non-Fibrous Talc	20 mppcf	none estab.	2 mg/m ³	none estab.	Not applicable.
Calcium Carbonate	None estab.	None estab.	10 ppm	None estab.	Not applicable
Glass Beads	None estab.	None estab.	10 mg/m ³	None estab.	Not applicable
Silicon Dioxide Amorphous	None estab.	None estab.	10 mg/m ³	None estab.	Not applicable

* At 400 ppm or higher, styrene is irritating to respiratory tract and eyes.

Section 3 - Physical and Chemical Properties

Physical State: Paste

Appearance and Odor: Off-white, smooth paste, characteristic

Odor Threshold: N/A

Vapor Pressure: N/A

Vapor Density (Air=1): >1.0

Specific Gravity (H₂O=1, at 4 °C): 1.15

pH: N/A

Water Solubility: None

Other Solubilities: N/A

Boiling Point: N/A

Freezing/Melting Point: N/A

% Volatile by Volume: 13 – 20%

Evaporation Rate (Ethyl Ether = 1): <1

VOC ... Less Exempts 213 g/l

... Loss upon curing 0.8 g/l

Section 4 - Fire-Fighting Measures

Flash Point: 95 °F (35 °C)

Flash Point Method: SETA Closed Cup

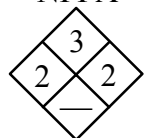
Burning Rate: N/A

Autoignition Temperature: N/A

LEL: N/E

UEL: N/E

NFPA



Flammability Classification: N/A

Extinguishing Media: CO₂, dry chemicals, foam.

Unusual Fire or Explosion Hazards: Closed containers exposed to high temperatures such as fire conditions may rupture.

Hazardous Combustion Products: N/A

Fire-Fighting Instructions: Firefighters should wear self-contained breathing apparatus. Fight like a fuel oil fire. Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

Section 5 - Stability and Reactivity

Stability: Freeman Econo-Fil is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization can occur when in contact with strong oxidizing agents, sunlight, contamination, and/or prolonged storage above 100F.

Chemical Incompatibilities: Peroxides or strong oxidizing agents, acids, alkalies, and/or amines.

Conditions to Avoid: Contact with strong oxidizing agents, sunlight, contamination and/or prolonged storage above 100F

Hazardous Decomposition Products: Thermal decomposition will yield carbon monoxide and carbon dioxide and acrid fumes.

Section 6 - Health Hazard Information

Potential Health Effects

Primary Entry Routes: N/A

Health Hazards: Harmful or fatal if swallowed! Irritant when in contact with eyes and open abraded skin. Avoid breathing of vapors! Chronic use may effect eyes, skin, lungs, and central nervous system.

Carcinogenicity: Styrene is listed by IARC to be a possible carcinogen. Styrene studies have shown that Styrene causes cancer in certain laboratory animals. However, there is insufficient evidence to conclude that Styrene is a human carcinogen.

Emergency and First Aid Procedures

Inhalation: Remove from contamination areas, apply artificial respiration if necessary, call a physician.

Eye Contact: Flush promptly with excess water for 15 minutes. Call a physician.

Skin Contact: Wash with soap and excess water. Obtain medical attention if irritation occurs.

Ingestion: Do not induce vomiting. Call a physician. If contamination areas, give a glass of water to person.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians: N/A

Special Precautions/Procedures: N/A

Section 7 - Spill, Leak, and Disposal Procedures

Spill /Leak Procedures: Wash and clean up small spills with water and detergent. Pick up large spills with inert absorbent and place in a container for disposal.

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup: N/A

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Disposal: Dispose method must comply with local, state, and federal regulations. Contact your supplier or a licensed contractor for detailed recommendations.

Disposal Regulatory Requirements: N/A

Container Cleaning and Disposal: N/A

Ecological Information: N/A

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Polyester Resin Kit

Packaging Authorizations

Quantity Limitations

Shipping Symbols:

a) Exceptions: 173.152

a) Passenger, Aircraft, or Railcar:

Hazard Class: 3

b) Non-bulk Packaging:

b) Cargo Aircraft Only:

ID No.: UN 3269

c) Bulk Packaging:

Packing Group:

Vessel Stowage Requirements

Label: Consumer Commodity,
ORM-D (gal);
Flammable Class 3 (3 gal)

a) Vessel Stowage:

b) Other:

Special Provisions (172.102):
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Prepared By:

Revision Notes:

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