

**Fox Industries Inc.**  
**Material Safety Data Sheet**  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200.

**IDENTITY: FX-253 Trowel Grade Fiber Reinforced Polymer Mortar - Liquid**

**SECTION I**

<b>Manufacturer:</b>	Fox Industries, Inc.	<b>Emergency Number:</b>	1-800-424-9300 CHEMTREC
<b>Address:</b>	3100 Falls Cliff Road Baltimore, MD 21211	<b>Telephone Number:</b>	(410) 243-8856
		<b>Date Prepared:</b>	4/2000

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<b>Hazardous Components</b>	<b>CAS #</b>	<b>OSHA PEL</b>	<b>Hazard Limits</b>	<b>%</b>
Ammonia		50 PPM	25	0.1
Acrylic Polymer	Non-Hazardous			
Water	Non-Hazardous			

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b>	212° F	<b>Specific Gravity (H<sub>2</sub>O =1):</b>	1 - 1.2
<b>Vapor Pressure (mm Hg.):</b>	15	<b>Melting Point:</b>	N/A
<b>Vapor Density (AIR = 1):</b>	Heavier than air	<b>Evaporation Rate:</b>	<1
<b>Solubility in Water:</b>	Dilutable	<b>(Butyl Acetate = 1)</b>	
<b>Appearance and Odor:</b>	Light blue liquid		

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

**Flash Point (Method Used):** Non-Combustible

**Flammable Limits:** LEL N/D UEL N/D

**Extinguishing Media:** Dry chemical, CO<sub>2</sub> for polymer film

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** Material can splatter above 212° F.

**SECTION V - REACTIVITY DATA**

**Stability:** Stable      **Conditions to Avoid:** None known

**Incompatibility:** None known

**Hazardous Decomposition or Byproducts:** N/A

**Hazardous Polymerization:** Will Not Occur      **Conditions to Avoid:** None known

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## FX-253 Trowel Grade Fiber Reinforced Polymer Mortar – Liquid – continued

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### SECTION VI - HEALTH HAZARD DATA

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Route(s) of Entry:                      Inhalation? No                      Skin? No                      Ingestion? Yes

**Health Hazards (*Acute and Chronic*):** Non-Hazardous

**Carcinogenicity: NTP?** Not Listed                      **IARC Monographs?** Not Listed                      **OSHA Regulated?** Not Regulated

**Signs and Symptoms of Exposure:** None

**Medical Conditions Generally Aggravated by Exposure:** None known

**Emergency and First Aid Procedures:** Skin - Wash with soap and water. Eyes - Flush with copious amounts of water for at least 15 minutes.

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### SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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**Steps to Be Taken in Case Material Is Released or Spilled:** Dike material, absorb with sand or other broadcast material. Remove to landfill.

**Waste Disposal Method:** Burn in approved incinerator in compliance with Federal, State, and Local regulations.

**Precautions to Be Taken in Handling and Storing:** Keep containers closed.

**Other Precautions:** Protect from freezing.

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### SECTION VIII - CONTROL MEASURES

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**Respiratory Protection:** None normally needed.

**Ventilation:** Mechanical (General) Good general ventilation.

**Protective Gloves:** Rubber Gloves

**Eye Protection:** Safety Glasses

**Other Protective Clothing or Equipment:** Clean work clothing.

**Work/Hygienic Practices:** Follow practices of good industrial hygiene.

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**IDENTITY: FX-253 Trowel Grade Fiber Reinforced Polymer Mortar - Powder**

**SECTION I**

<b>Manufacturer:</b>	Fox Industries, Inc.	<b>Emergency Number:</b>	1-800-424-9300 CHEMTREC
<b>Address:</b>	3100 Falls Cliff Road Baltimore, MD 21211	<b>Telephone Number:</b>	(410) 243-8856
		<b>Date Prepared:</b>	4/2000

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<b>Hazardous Components</b>	<b>CAS #</b>	<b>OSHA PEL</b>	<b>Hazard Limits</b>	<b>%</b>
Portland Cement	65997-15-1	5 mg/m <sup>3</sup> (respirable dust)		
Silica Sand	14808-60-7	10 mg/m <sup>3</sup> (respirable dust)		
Fiber Reinforcement	N/E			

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O =1):</b>	2.20
<b>Vapor Pressure (mm Hg.):</b>	N/A	<b>Melting Point:</b>	N/A
<b>Vapor Density (AIR = 1):</b>	N/A	<b>Evaporation Rate:</b>	N/A
<b>Solubility in Water:</b>	100%	<b>(Butyl Acetate = 1)</b>	
<b>Appearance and Odor:</b>	Gray powder		

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**Flash Point (Method Used):** N/A

**Flammable Limits: LEL** N/D      **UEL** N/D

**Extinguishing Media:** Foam, dry chemical, CO<sub>2</sub>

**Special Fire Fighting Procedures:** N/A

**Unusual Fire and Explosion Hazards:** N/A

**SECTION V - REACTIVITY DATA**

**Stability:** Stable      **Conditions to Avoid:** Moisture, will harden

**Incompatibility:** Silica will dissolve in hydro fluoric acid and produce gas.

**Hazardous Decomposition or Byproducts:** None known

**Hazardous Polymerization:** Will Not Occur      **Conditions to Avoid:** None known

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## FX-253 Trowel Grade Fiber Reinforced Polymer Mortar – Powder – continued

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### SECTION VI - HEALTH HAZARD DATA

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**Route(s) of Entry:**                      **Inhalation?** Yes                      **Skin?** No                      **Ingestion?** No

**Health Hazards (*Acute and Chronic*):** Cement when combined with body moisture and wet cement, especially as an ingredient in plastic (unhardened) concrete, can dry the skin and cause alkali burn. Cement dust can irritate the eyes and respiratory system. Chronic: Cement dust can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea. Hypersensitive individuals may develop an allergic dermatitis. (Cement can contain traces of hexavalent chromium.) Alkaline nature of portland cement may cause skin irritation.

**Carcinogenicity: NTP?** Silica dust is probable carcinogen from inhalation

**IARC Monographs?** Silica dust may be carcinogen if inhaled. Volume 68

**OSHA Regulated?** Not Regulated

**Signs and Symptoms of Exposure:** Skin irritation and mucous membrane irritation.

**Medical Conditions Generally Aggravated by Exposure:** Freshly mixed concrete grout or mortar may cause skin injury. Avoid contact with skin and wash exposed areas promptly with water.

**Emergency and First Aid Procedures:** If powder gets into eyes, rinse immediately and repeatedly with water and get prompt medical attention.

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### SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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**Steps to Be Taken in Case Material Is Released or Spilled:** Scoop up to collection containers.

**Waste Disposal Method:** Mix with water.

**Precautions to Be Taken in Handling and Storing:** Keep containers closed. Protect from moisture.

**Other Precautions:** Avoid breathing dust.

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### SECTION VIII - CONTROL MEASURES

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**Respiratory Protection:** NIOSH approved organic respirator in confined areas.

**Ventilation:** Mechanical (General) Good general ventilation.

**Protective Gloves:** Rubber Gloves

**Eye Protection:** Safety Glasses

**Other Protective Clothing or Equipment:** Long sleeved shirts and pants.

**Work/Hygienic Practices:** Follow practices of good industrial hygiene.