

Fox Industries Inc.

3100 Falls Cliff Road
Baltimore, MD 21211
Phone (410) 243-8856

Material Safety Data Sheet

OSHA's Hazard Communication Standard,
29 CFR 1910.1200.

IDENTITY: FX-421 Hydro Ester Coal Tar Epoxy Coating "A" Component

SECTION I

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

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>Hazardous Components</u>	<u>CAS #</u> %	<u>OSHA PEL</u>	<u>ACHIH TLV</u>	<u>Hazard Limits</u>
Epoxy Resin	025085-99-8	100 ppm		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/D	Specific Gravity (H₂O =1):	1.15
Vapor Pressure (mm Hg.):	N/D	Melting Point:	N/D
Vapor Density (AIR = 1):	>1	Evaporation Rate:	N/D
Solubility in Water:	Insoluble	(Butyl Acetate = 1)	
Appearance and Odor:	Clear viscous liquid, mild odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 300°F (PMCC)	Flammable Limits: LEL	N/D	UEL	N/D
Extinguishing Media: Foam, CO ₂ , dry chemical, water spray				
Special Fire Fighting Procedures: Wear positive pressure self-contained breathing apparatus				
Unusual Fire and Explosion Hazards: None known				

SECTION V - REACTIVITY DATA

Stability: Stable	Conditions to Avoid: Heat
Incompatibility: Bases	
Hazardous Decomposition or Byproducts: CO, aromatic compounds	
Hazardous Polymerization: Will Not Occur	Conditions to Avoid: None known

(OVER)

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (*Acute and Chronic*): May cause eye irritation. May cause sensitization in some people.

Carcinogenicity: NTP? N/D **IARC Monographs?** Yes **OSHA Regulated?** Yes

Signs and Symptoms of Exposure: Can cause minor irritation to skin and eyes.

Medical Conditions Generally Aggravated by Exposure: Skin sensitization

Emergency and First Aid Procedures: Eyes: Flush with water for at least 15 minutes. Skin: Wash thoroughly with soap and water.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Soak up in absorbent material, such as sand, and collect in suitable containers.

Waste Disposal Method: Burn in adequate incinerator or bury in an approved landfill in accordance with Federal, State and Local regulations.

Precautions to Be Taken in Handling and Storing: Keep containers closed. Store in cool area.

Other Precautions: Avoid breathing vapors of heated materials.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved respirator with suitable organic vapor cartridge.

Ventilation: Mechanical (General) Good general ventilation.

Protective Gloves: Rubber Gloves

Eye Protection: Safety Glasses

Other Protective Clothing or Equipment: Clean work clothes, skin protective creams

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

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Material Safety Data Sheet

OSHA's Hazard Communication Standard,
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IDENTITY: FX-421 Hydro Ester Coal Tar Epoxy Coating "B" Component

SECTION I

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

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>Hazardous Components</u>	<u>CAS #</u> %	<u>OSHA PEL</u>	<u>ACHIH TLV</u>	<u>Hazard Limits</u>
Coal tar	65996-89-6	50 ppm		
Modified Polyamine		None Established		
Silicon Dioxide	112945-52-5	20 mppcf		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/D	Specific Gravity (H₂O =1):	.85
Vapor Pressure (mm Hg.):	N/D	Melting Point:	N/A
Vapor Density (AIR = 1):	>1	Evaporation Rate:	N/D
Solubility in Water:	Insoluble	(Butyl Acetate = 1)	
Appearance and Odor:	Black viscous liquid, ammoniacal odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 300°F (PMCC) **Flammable Limits:** Xylene LEL N/D UEL N/D

Extinguishing Media: Foam, CO₂, dry chemical, water spray

Special Fire Fighting Procedures: Where positive pressure self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Stable	Conditions to Avoid: None
Incompatibility: Heat	
Hazardous Decomposition or Byproducts: Oxides of Nitrogen, CO	
Hazardous Polymerization: Will Not Occur	Conditions to Avoid: None known

(OVER)

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: **Inhalation?** Yes **Skin?** Yes **Ingestion?** Yes

Health Hazards (*Acute and Chronic*): Coal tar may, after prolonged and repeated skin exposure in the absence of hygiene, lead to changes in skin pigmentation, benign growths, and may result in skin cancer. May cause eye irritation.

Carcinogenicity: NTP? Not Known **IARC Monographs?** Yes **OSHA Regulated?** Yes

Signs and Symptoms of Exposure: Headache, dizziness, nausea from vapors. Can cause minor burns of skin and eyes.

Medical Conditions Generally Aggravated by Exposure: Skin sensitization

Emergency and First Aid Procedures: Eyes: Flush immediately for at least 15 minutes. Skin: Wash thoroughly with soap and water. Ingestion: Induce vomiting; get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Soak up with absorbent material, such as sand, and collect in suitable containers.

Waste Disposal Method: Burn in adequate incinerator or bury in an approved landfill in accordance with Federal, State, and local regulations.

Precautions to Be Taken in Handling and Storing: Keep containers closed. Store in cool area.

Other Precautions: Avoid breathing vapors of heated materials.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved respirator with suitable organic vapor cartridge.

Ventilation: Mechanical (General) Ventilation needed where vapors are present.

Protective Gloves: Rubber gloves

Eye Protection: Safety Glasses

Other Protective Clothing or Equipment: Skin protective cream, clean work clothes

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