

# 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-494 "A" Component

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### 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>	1/2000

### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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<u>Hazardous Components</u>	<u>CAS #</u> %	<u>OSHA PEL</u>	<u>ACHIH TLV</u>	<u>Hazard Limits</u>
Diglycidyl Ether of Bisphenol F	28064-14-4	N/E	N/E	
Diglycidyl Ether of Cyclohexane Dimethanol	14228-73-0	N/E	N/E	

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

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<b>Boiling Point:</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O =1):</b>	1.5 @ 25°
<b>Vapor Pressure (mm Hg.):</b>	N/A	<b>Melting Point:</b>	N/A
<b>Vapor Density (AIR = 1):</b>	N/D	<b>Evaporation Rate:</b>	Negligible
<b>Solubility in Water:</b>	Insoluble	<b>(Butyl Acetate = 1)</b>	
<b>Appearance and Odor:</b>	Blue Viscous Liquid, Sweet Odor		

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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<b>Flash Point (Method Used):</b> >100° C (closed cup) N/A	<b>Flammable Limits:</b> LEL	N/A	<b>UEL</b>
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**Extinguishing Media:** Foam, CO<sub>2</sub>, dry chemical, water spray  
**Special Fire Fighting Procedures:** Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters. No skin should be exposed.  
**Unusual Fire and Explosion Hazards:** Decomposition 7 Combustion products may be hazardous.

### SECTION V - REACTIVITY DATA

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<b>Stability:</b> Stable	<b>Conditions to Avoid:</b> N/A
<b>Incompatibility:</b> Strong oxidizing agents, Acids, Bases	
<b>Hazardous Decomposition or Byproducts:</b> Carbon Monoxide & Irritating Toxic Fumes	
<b>Hazardous Polymerization:</b> Will Not Occur	<b>Conditions to Avoid:</b> None known

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## SECTION VI - HEALTH HAZARD DATA

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

**Health Hazards (*Acute and Chronic*):** Skin: Dermal irritation. Eyes: Eye irritation. Ingestion: Gastrointestinal Irritation. Inhalation: Respiratory irritation.

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

**Signs and Symptoms of Exposure:** Skin: Reddening , swelling, rash, blistering, scaling. Ingestion: Dizziness, weakness. Inhalation: Burning in nose and throat, chest pain. Eyes: Pain, tearing, reddening, swelling.

**Medical Conditions Generally Aggravated by Exposure:** Skin & eye conditions

**Emergency and First Aid Procedures:** Skin: Immediately remove with clean cloth, wash with soap & water. If irritation persists, get medical attention. Ingestion: DO NOT INDUCE VOMITING. Drink lots of water & consult physician. Inhalation: If symptoms occur move to fresh air & consult physician immediately. Eyes: Flush with clean water for 15mins. Consult physician if irritation persists.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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**Steps to Be Taken in Case Material Is Released or Spilled:** Absorb with inert material e.g. earth sand. Sweep into labled containers. Flush area with detergent & water.

**Waste Disposal Method:** Dispose of in accordance with Federal, State, and Local regulations.

**Precautions to Be Taken in Handling and Storing:** Store in tightly closed containers in cool, dry place. Avoid high temperatures & ignition sources.

**Other Precautions:** Do not eat, drink or smoke when using.

## SECTION VIII - CONTROL MEASURES

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**Respiratory Protection:** Not required in normal use. NIOSH respirator if spraying

**Ventilation:** Mechanical (General)

Local Exhaust – When suitable natural ventilation is not available, use local especially when spraying.

**Protective Gloves:** Butyl rubber Gloves

**Eye Protection:** Safety Glasses

**Other Protective Clothing or Equipment:** Cover as much skin as possible. Do not wear contact lenses when handling.

**Work/Hygienic Practices:** Follow practices of good industrial hygiene. Wash clothes before reuse.

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## Material Safety Data Sheet

OSHA's Hazard Communication Standard,  
29 CFR 1910.1200.

**IDENTITY:** FX-494 "B" Component

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### 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>	1/2000

### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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<u>Hazardous Components</u>	<u>CAS #</u> %	<u>OSHA PEL</u>	<u>ACHIH TLV</u>	<u>Hazard Limits</u>
Alkyl Amines	25620-58-0	N/E	N/E	
Alkyl Amines	107-15-3	100 ppm	N/E	
Benzyl Alcohol	100-51-6	N/E	N/E	
Amine Epoxy Adduct	001-5719	N/E	N/E	

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

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<b>Boiling Point:</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O =1):</b>	1.5 @ 25°
<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>	Negligible
<b>Solubility in Water:</b>	Partially solualbe	<b>(Butyl Acetate = 1)</b>	
<b>Appearance and Odor:</b>	Tan liquid, aromatic odor		

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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**Flash Point (Method Used):** >100°F (Closed Cup)      **Flammable Limits:** LEL N/A      UEL N/A

**Extinguishing Media:** Foam, dry chemical, water spray, carbon dioxide

**Special Fire Fighting Procedures:** Full emergency equipment with self-contained breathing apparatus & full protective clothing should be worn by firefighters. No skin should be exposed.

**Unusual Fire and Explosion Hazards:** Decomposition & combustion products may be hazardous.

### SECTION V - REACTIVITY DATA

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**Stability:** Stable

**Conditions to Avoid:** N/A

**Incompatibility:** Srong oxidizing agents, acids, bases

**Hazardous Decomposition or Byproducts:** Carbon monoxide & Irritating Toxic Fumes

**Hazardous Polymerization:** Will Not Occur

**Conditions to Avoid:** None known

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## SECTION VI - HEALTH HAZARD DATA

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

**Health Hazards (*Acute and Chronic*):** Skin: Dermal irritation    Eyes: Eye irritation    Ingestion: Gastrointestinal irritation.    Inhalation: Respiratory irritation.

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

**Signs and Symptoms of Exposure:** Skin: Reddening, swelling, rash, blistering, scaling.    Ingestion: Dizziness, weakness.    Inhalation: Burning in nose & throat, chest pain.    Eyes: Pain, tearing, reddening, swelling.

**Medical Conditions Generally Aggravated by Exposure:** Skin and eye conditions.

**Emergency and First Aid Procedures:** Skin: Immediately remove with clean cloth, wash with soap & water. If irritation persists, get medical attention.    Ingestion: DO NOT INDUCE VOMITING. Drink lots of water & consult physician.    Inhalation: If symptoms occur move to fresh air and consult physician immediately.    Eyes: Flush with clean water for 15 mins. Consult physician if irritation persists.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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**Steps to Be Taken in Case Material Is Released or Spilled:** Take up with inert material e.g. earth or sand. Sweep into labeled containers. Flush area with detergent & water.

**Waste Disposal Method:** Dispose of in accordance with Federal, State and Local regulations.

**Precautions to Be Taken in Handling and Storing:** Store in tightly closed containers in cool, dry place. Avoid high temperatures & ignition sources.

**Other Precautions:** Do not eat, drink or smoke when using.

## SECTION VIII - CONTROL MEASURES

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**Respiratory Protection:** Not required in normal use. NIOSH respirator if spraying.

**Ventilation:** Mechanical (General) Ventilation needed where vapors are present.  
Local exhaust: When suitable natural ventilation is not available, use local especially when spraying.

**Protective Gloves:** Butyl rubber gloves

**Eye Protection:** Safety Glasses

**Other Protective Clothing or Equipment:** Cover as much skin as possible. Do not wear contact lenses when handling.

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