

**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME:** EPO-TEK H70E-2, Part A

**\*HMIS: HEALTH-2 FIRE-1 REACTIVITY- 0**

**Carcinogen: NTP (No) IARC (No) OSHA (No)**

\* HMIS CODE ratings are estimated by Epoxy Technology.

**EPOXY TECHNOLOGY**

**14 FORTUNE DRIVE**

**BILLERICA, MA 01821**

**EMERGENCY PHONE:**

**US/CANADA: 800-255-3924**

**INT'L COLLECT: + 813-248-0585**

**DATE REVISED: 6/5/01**

**REV: A**

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**I. IDENTIFICATION & PHYSICAL DATA**

**PERCENT VOLATILE:** NA

**BOILING POINT:** NA

**VAPOR DENSITY:** >Air

**APPEARANCE:** Gray Paste

**ODOR:** Mild

**VAPOR PRESSURE:** NA

**SOLUBILITY IN WATER:** Low

**EVAPORATION RATE:** NA

**SPECIFIC GRAVITY:** 1.2

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**II. HAZARDOUS INGREDIENTS**

**CAS#**

**WT%**

**TOXICITY DATA**

Bisphenol F

28064-14-4

20-40%

See Ingredient Sheet 110201.

Bisphenol F requires reporting according to OSHA Communication Standards under 29CFR, 1910.1200.

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**III. FIRE & EXPLOSION DATA**

**FLASH POINT:** >200F

**EXTINGUISHING MEDIA:** Dry chemical, foam, carbon dioxide.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Avoid fumes liberated by heat.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus and complete personal protective equipment.

Remove all ignition sources. Use a water spray to cool fire exposed containers.

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**IV. REACTIVITY DATA**

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Excessive heat

**MATERIALS TO AVOID:** Strong oxidizing and reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Fumes produced when heated to decomposition may include carbon monoxide, and carbon dioxide.

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## V. HEALTH HAZARD DATA

EPO-TEK H70E-2, Part A

### EFFECTS OF OVEREXPOSURE

**INGESTION:** May be moderately toxic. Ingestion can severely upset the gastric system

**INHALATION:** Hot vapors can cause headaches, nausea, dizziness, and respiratory irritation.

**SKIN CONTACT:** Can cause dermatitis.

**EYE CONTACT:** Irritating to the eyes. Can cause injury.

**CHRONIC/ACUTE EFFECTS OF EXPOSURE:** Can cause dermatitis and sensitization.

### EMERGENCY & FIRST AID PROCEDURES

**EYE CONTACT:** In case of eye contact, flush well with water. Get medical attention immediately.

**SKIN CONTACT:** In case of skin contact, clean with soap and water. Do not use solvents. Remove contaminated clothing.

**INGESTION:** Get medical attention immediately.

**INHALATION:** Remove employee to fresh air. If discomfort persists, get medical attention.

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## VI. SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED:** Eliminate ignition sources. Use eye and skin protection. Place leaking containers in a well ventilated area. Absorb spillage with inert material and dispose.

**WASTE DISPOSAL METHOD:** Incinerate or use hazardous waste treatment procedures that are in accordance with federal, state and local regulations.

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## VII. SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** Wear an approved respirator whenever high level exposure to vapors or mist is anticipated.

**VENTILATION:** Local exhaust recommended for exposure control.

**PROTECTIVE GLOVES:** Impervious gloves - neoprene or equivalent. A combination of barrier cream and gloves is recommended.

**EYE PROTECTION:** Chemical splash goggles recommended.

**OTHER PROTECTIVE EQUIPMENT:** For operations where contact can occur, use a face shield and impervious apron. A safety shower and eye wash facility should be available.

**VIII. SPECIAL PRECAUTIONS:** Avoid contact with skin and eyes. Avoid breathing vapors. Keep containers closed when not in use. Remove all contaminated clothing immediately and wash. Wash skin thoroughly with soap and water after handling. Solvents should not be used to clean skin because of increased penetration potential - protective skin oils can be dissolved by solvents.

**MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: EPO-TEK H70E-2, Part B

\*HMIS: HEALTH-2 FIRE-1 REACTIVITY-0

Carcinogen: NTP (No) IARC (No) OSHA (No)

\* HMIS CODE ratings are estimated by Epoxy Technology.

EPOXY TECHNOLOGY  
14 FORTUNE DRIVE  
BILLERICA, MA 01821EMERGENCY PHONE:  
US/CANADA: 800-255-3924  
INT'L COLLECT: + 813-248-0585DATE REVISED: 6/5/01  
REV: A

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**I. IDENTIFICATION & PHYSICAL DATA**PERCENT VOLATILE: NA  
BOILING POINT: NA  
VAPOR DENSITY: >Air  
APPEARANCE: Tan Paste  
ODOR: MildVAPOR PRESSURE: NA  
SOLUBILITY IN WATER: NA  
EVAPORATION RATE: <BUAC  
SPECIFIC GRAVITY: NA

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**II. HAZARDOUS INGREDIENTS**      **CAS#**      **WT %**      **TOXICITY DATA**

There are no hazardous ingredients that require reporting per OSHA's Hazardous Communication Standards or under Sara Title III.

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**III. FIRE & EXPLOSION DATA**

FLASH POINT: &gt; 200F

EXTINGUISHING MEDIA: Dry chemical, foam, carbon dioxide.

UNUSUAL FIRE &amp; EXPLOSION HAZARDS: Avoid fumes liberated by heat.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus and complete personal protective equipment. Remove all ignition sources. Use a water spray to cool fire exposed containers.

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**IV. REACTIVITY DATA**

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Excessive heat.

MATERIALS TO AVOID: Strong oxidizing and reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Fumes produced when heated to decomposition may include oxides of nitrogen, carbon monoxide, and carbon dioxide.

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## V. HEALTH HAZARD DATA

EPO-TEK H70E-2, Part B

### EFFECTS OF OVEREXPOSURE

**INGESTION:** Ingestion may result in severe gastric disturbances. Gastrointestinal damage may result.

**INHALATION:** Hot vapors can cause headaches, nausea, dizziness, and respiratory irritation, if inhaled.

**SKIN CONTACT:** Mildly irritating in rabbit dermal irritation studies. May cause dermatitis and skin sensitization in some individuals.

**EYE CONTACT:** Causes eye burns in rabbit irritation studies. Irritating to the eyes. Can cause injury.

**CHRONIC EFFECTS OF OVEREXPOSURE:** In a single dose this product may be toxic by ingestion. Irritation of the mouth, pharynx, and esophagus can develop following ingestion. This product contains acrylonitrile at <236,000 ppb. ACGH (1988) PEL/TLV is 2ppm.

### EMERGENCY & FIRST AID PROCEDURES

**EYE CONTACT:** In case of eye contact, flush with water for at least 15 minutes. Get medical attention immediately.

**SKIN CONTACT:** In case of skin contact, clean with soap and water. Do not use solvents. Remove contaminated clothing.

**INGESTION:** Get medical attention immediately.

**INHALATION:** Remove employee to fresh air. If discomfort persists, get medical attention.

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## VI. SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED:** Eliminate ignition sources. Use eye and skin protection. Place leaking containers in a well ventilated area. Absorb spillage with inert material and dispose.

**WASTE DISPOSAL METHOD:** Incinerate or use hazardous waste treatment procedures that are in accordance with federal, state and local regulations.

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## VII. SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** Wear an NIOSH approved respirator for organic vapors whenever high level exposure to vapors or mist is anticipated.

**VENTILATION:** Local exhaust recommended for exposure control.

**PROTECTIVE GLOVES:** Impervious gloves - neoprene or equivalent. A combination of barrier cream and gloves is recommended.

**EYE PROTECTION:** Chemical splash goggles recommended.

**OTHER PROTECTIVE EQUIPMENT:** For operations where contact can occur, use a face shield and impervious apron. A safety shower and eye wash facility should be available.

**VIII. SPECIAL PRECAUTIONS:** Avoid contact with skin and eyes. Avoid breathing vapors. Keep containers closed when not in use. Remove all contaminated clothing immediately and wash. Wash skin thoroughly with soap and water after handling. Solvents should not be used to clean skin because of increased penetration potential - protective skin oils can be dissolved by solvents.

**REGULATORY INFORMATION**

**EPOXY TECHNOLOGY**

**PRODUCT NAME:** EPO-TEK H70E-2  
**DATE REVISED:** 6/5/01  
**REV:** A

**14 FORTUNE DRIVE  
BILLERICA, MA 01821  
Tel: (978) 667-3805**

**SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION**

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right To Know Act of 1986 (40 CFR 372): None

**1. TSCA Inventory Status**

All the components of this product are listed on the TSCA Inventory.

**2. RCRA Status**

This product contains the following chemicals listed on the 40 CFR Part 261.33: None

**3. CERCLA Status**

This product contains the following chemicals listed on the 40 CFR Part 302.4: None

**4. Transportation**

Part A

Not Restricted

Part B

Not Restricted

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The information contained herein is given in good faith. However, no guarantee or warranty of any kind expressed or implied is made with respect to this information.

**INGREDIENT SHEET**

**EPOXY TECHNOLOGY  
14 FORTUNE DRIVE  
BILLERICA, MA 01821**

**INGREDIENT CODE NUMBER:** 110201

**EMERGENCY PHONE:**  
US/CANADA: 800-255-3924  
INT'L COLLECT: + 813-248-0585

**\*HMIS: HEALTH (2) FLAMMIBILITY (1)  
REACTIVITY (0)**

**DATE ISSUED:** 8/18/00

**CARCINOGEN: NTP (No) IARC (No) OSHA (No)**  
\*HMIS CODE rating are estimated by Epoxy Technology

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**I. IDENTIFICATION & PHYSICAL DATA**

Color: Clear  
Odor: Slight  
Physical State: Liquid  
Solubility in Water: Insoluable  
Vapor Pressure: <0.01 mm Hg@20°C  
Specific Gravity: 1.19  
Boiling Point: >200°C

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<b>II. HAZARDOUS INGREDIENTS</b>	<b>WT%</b>	<b>CAS</b>
Bisphenol F	100%	28064-14-4

**TOXICITY DATA**

Acute Oral Effects (LD50): Rat: > 10,000mg/kg  
Acute Dermal Toxicity (LD50): Rabbit: 3,000mg  
Inhalation Toxicity (LC50): LCLO=1.7mg

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**III. FIRE AND EXPLOSION DATA**

**FLASH POINT:** >200F

**EXTINGUISHING MEDIA:** Carbon dioxide, foam, dry chemical, water spray.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Decomposition and combustion products may be toxic.

**FIRE FIGHTING EQUIPMENT:** Use self-contained breathing apparatus.

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**IV. REACTIVITY DATA**

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Avoid strong acids or bases in bulk and elevated temperatures.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, aldehydes.

**HAZARDOUS POLYMERIZATION:** Will not occur

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**V. HEALTH HAZARD DATA****EFFECTS OF OVER EXPOSURE**

**INGESTION:** No specific information available.

**INHALATION:** No specific information available.

**SKIN CONTACT:** May cause skin irritation, dermatitis.

**EYE CONTACT:** Irritating to the eyes. May cause injury.

**CHRONIC EFFECTS OF OVER EXPOSURE:** May cause dermatitis if it gets on your skin.

**EMERGENCY & FIRST AID PROCEDURES**

**EYE CONTACT:** In case of eye contact, flush with water for at least 15 minutes. Get medical attention immediately.

**SKIN CONTACT:** In case of skin contact, clean with soap and water. Do not use solvents. Remove contaminated clothing.

**INGESTION:** Get medical attention immediately.

**INHALATION:** Remove employee to fresh air. If discomfort persists, get medical attention.

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**VI. SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED:** Avoid personal contact. Take up with absorbent material and shovel into a closed container.

**WASTE DISPOSAL METHOD:** Employ waste disposal procedures that are in accordance with federal, state and local regulations.

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**VII. SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** Wear an approved respirator whenever exposure to air born vapors are anticipated.

**VENTILATION:** Local exhaust recommended for exposure control.

**PROTECTIVE GLOVES:** Impervious gloves-neoprene or equivalent. A combination of barrier cream and gloves is recommended.

**EYE PROTECTION:** Chemical splash goggles recommended.

**OTHER PROTECTIVE EQUIPMENT:** For operations where contact can occur, use a face shield and impervious apron. A safety shower and eye wash facility should be available.

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**VIII. SPECIAL PRECAUTIONS:** Avoid contact with skin and eyes. Avoid breathing vapors generated by heating. Keep containers closed when not in use. Remove all contaminated clothing and wash.