

MATERIAL SAFETY DATA SHEET**PRODUCT NAME:** EPO-TEK H70E, 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: 11/4/2004**REV:** C

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

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

Bisphenol F

28064-14-4

50-75%

See Ingredient Sheet 110201.

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

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.

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.

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guarantee, or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what measures are necessary to safely use this product, either alone or in combination with other products, and to determine its environmental regulatory compliance obligations under applicable federal or state laws.

V. HEALTH HAZARD DATA

EPO-TEK H70E, 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.

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.

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, 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 01821**

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

**DATE REVISED: 11/4/2004
REV: C**

I. IDENTIFICATION & PHYSICAL DATA

PERCENT VOLATILE: NA
BOILING POINT: NA
VAPOR DENSITY: >Air
APPEARANCE: Tan Paste
ODOR: Mild

VAPOR PRESSURE: NA
SOLUBILITY IN WATER: NA
EVAPORATION RATE: <BUAC
SPECIFIC GRAVITY: NA

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.

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.

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, 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.

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.

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.

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
DATE REVISED: 11/6/01
REV: B

**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

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

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

II. HAZARDOUS INGREDIENTS	WT%	CAS
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

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.

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.

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.

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.

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.