

MATERIAL SAFETY DATA SHEET**EPOXY TECHNOLOGY
14 FORTUNE DRIVE
BILLERICA, MA 01821****PRODUCT NAME:** Epo Tek H70E-2LC, Part A
INGREDIENT CODE NUMBER: Not applicable***HMIS: HEALTH- 2 FIRE-2 REACTIVITY- 1**
ANSI CODE: 2*EMERGENCY PHONE:**
US/CANADA: 800-255-3924
INT'L COLLECT: + 813-248-0585**Carcinogen: NTP (No) IARC (No) OSHA (No)****DATE ISSUED: 7/27/99**

* HMIS and ANSI CODE ratings are estimated by Epoxy Technology.

I. IDENTIFICATION & PHYSICAL DATA**PERCENT VOLATILE:** < 1
BOILING POINT: NA
VAPOR DENSITY: >Air
APPEARANCE: Opaque Paste
ODOR: Mild**VAPOR PRESSURE:** NA
SOLUBILITY IN WATER: Low
EVAPORATION RATE: <BUAC
SPECIFIC GRAVITY: NA

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

Chromite Pigment

68186-91-4

5

See Ingredient 401004 MSDS

Chromite Pigment is the only ingredient that requires MSDS reporting per Mass. RTK.

III. FIRE & EXPLOSION DATA**FLASH POINT:** NA**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.

To the best of our knowledge, the information contained herein is accurate. Epoxy Technology Inc., however, assumes no liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

Epo Tek Part A's of:

H70E, H70E Black, H70E-FL,
H70E-FL1, H70E-LC, H70E-1,
H70E-175, H70E-2, H70E-2LC,
H70E-4, H70E-4LC, H70E-5,
H70F, H70S, H70S- 2LC,
H70S-LC

V. HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

INGESTION: Contains Methanol - A flammable and toxic material.

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 EFFECTS OF OVER EXPOSURE: Can cause dermatitis and sensitization.
See MSDS for Methanol - Ingredient 701001.

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.

MATERIAL SAFETY DATA SHEET**EPOXY TECHNOLOGY
14 FORTUNE DRIVE
BILLERICA, MA 01821****PRODUCT NAME:** Epo Tek H70E-2LC, Part B
INGREDIENT CODE NUMBER: Not applicable***HMIS: HEALTH- 2 FIRE-2 REACTIVITY- 1**
ANSI CODE: 3,6*EMERGENCY PHONE:**
US/CANADA: 800-255-3924
INT'L COLLECT: + 813-248-0585**DATE ISSUED:** 7/27/99

* HMIS and ANSI CODE ratings are estimated by Epoxy Technology.

I. IDENTIFICATION & PHYSICAL DATA**PERCENT VOLATILE:** < 1
BOILING POINT: NA
VAPOR DENSITY: >Air
APPEARANCE: Opaque Paste
ODOR: Mild**VAPOR PRESSURE:** NA
SOLUBILITY IN WATER: Low
EVAPORATION RATE: <BUAC
SPECIFIC GRAVITY: 2.3

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

Acrylonitrile

107-13-1

< 200 ppm

ACGIH (TLV-skin):TWA = 2ppm

Acrylonitrile is the only ingredient that require MSDS reporting per Mass. RTK. See the attached Memorandum.

III. FIRE & EXPLOSION DATA**FLASH POINT:** NA**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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Epo Tek Part B's of:

H70E, H70E Black, H70E-FL,
H70E-FL1, H70E-LC, H70E-1,
H70E-175, H70E-2, H70E-2LC,
H70E-4, H70E-4LC, H70E-5,
H70F, H70S, H70S- 2LC,
H70S-LC

V. HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

INGESTION: Contains Methanol and Acrylonitrile, toxic materials.

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

SKIN CONTACT: May cause dermatitis and skin sensitization.

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

CHRONIC EFFECTS OF OVER EXPOSURE: May cause dermatitis and sensitization. Acrylonitrile is a Human Suspected Carcinogen by NTP, IARC and OSHA.

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.

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MEMORANDUM

Epo Tek Part B's of:

H70E, H70E Black, H70E-FL,
H70E-FL1, H70E-LC, H70E-1,
H70E-175, H70E-2, H70E-2LC,
H70E-4, H74E-4LC, H70E-5,
H70F, H70S, H70S- 2LC,
H70S-LC

Epo Tek H70 Series employs a curing agent which is known to contain acrylonitrile. According to OSHA, acrylonitrile is a suspected cancer causing agent. The average acrylonitrile content in these types of products generally range from 0.4 to 1.2 % or 4,000 to 12,000 ppm. Our proprietary vendor is supplying us with the lowest acrylonitrile containing products available in the US market today.

Furthermore, the convenient mix ratio (1 : 1) reduces the acrylonitrile content of < 200 pm to a value of < 100 ppm in the mix for safer handling. With good hygiene practices and appropriate engineering controls, potential exposure to acrylonitrile will be minimized.

REGULATORY INFORMATION

**EPOXY TECHNOLOGY
14 FORTUNE DRIVE
BILLERICA, MA 01821
TEL: (978) 667 – 3805**

PRODUCT NAME: H70E-2LC
DATE ISSUED: 7/27/00

1. 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

2. TSCA Inventory Status

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

3. RCRA Status

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

4. CERCLA Status

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

5. 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.