

**MATERIAL SAFETY DATA SHEET****EPOXY TECHNOLOGY  
14 FORTUNE DRIVE  
BILLERICA, MA 01821****PRODUCT NAME:** EPO-TEK H22, Part A**EMERGENCY PHONE:**  
US/CANADA: 800-255-3924  
INT'L COLLECT: + 813-248-0585**\*HMIS: HEALTH- 2 FIRE-1 REACTIVITY- 0****Carcinogen: NTP (No) IARC (No) OSHA (No)****DATE REVISED:** 9/20/2010  
**REV:** C

\* HMIS CODE ratings are estimated by Epoxy Technology.

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

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

Silver Flake

7440-22-4

50-70%

**TOXICITY DATA:**ACGIH TLV (TWA) = 0.10 mg/m<sup>3</sup>OSHA PEL (TWA) = 0.01 mg/m<sup>3</sup>

Epoxy Phenol Novolac

28064-14-4

30-50%

**TOXICITY DATA:**

Acute Oral Effects (LD50): Rat &gt; 10,000 mg/kg

Acute Dermal Toxicity (LD50): Rabbit 3,000 mg

Inhalation Toxicity (LD50): LCLO = 1.7 mg

Silver Flake requires reporting per Sara Title III, under section 313. Epoxy Phenol Novolac is the only ingredient that requires reporting according to OSHA's Hazardous Communication Standards.

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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, carbon dioxide, and oxides of nitrogen.

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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 of 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 the combination with other products, and to determine its environmental the combination with other products, and to determine its environmental regulatory compliance obligations under applicable federal or state laws.

**EFFECTS OF OVER EXPOSURE**

**INGESTION:** Contains materials that may be moderately toxic.

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

**SKIN CONTACT:** Can cause irritation and dermatitis.

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

**CHRONIC EFFECTS OF OVER EXPOSURE:** No specific information available.

Can cause dermatitis and sensitization

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**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 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.

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**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 H22, Part B

EMERGENCY PHONE:  
(978) 667 3805

\*HMIS: HEALTH- 2 FIRE-1 REACTIVITY- 0  
Carcinogen: NTP (No) IARC (No) OSHA (No)

DATE REVISED: 9/20/2010  
REV: C

\* HMIS CODE ratings are estimated by Epoxy Technology.

**I. IDENTIFICATION & PHYSICAL DATA**

PERCENT VOLATILE: NA  
BOILING POINT: NA  
VAPOR DENSITY: >Air  
APPEARANCE: Amber Liquid  
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.

The information and recommendations contained in this msds 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 safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under applicable federal or state laws.

## V. HEALTH HAZARD DATA

EPO-TEK H22, 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.

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

**PRODUCT NAME:** EPO-TEK H22  
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**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.