

MATERIAL SAFETY DATA SHEET**EPOXY TECHNOLOGY
14 FORTUNE DRIVE
BILLERICA, MA 01821****PRODUCT NAME:** Epo Tek EE112-1, Part A**EMERGENCY PHONE:**
(978) 667 3805***HMIS: HEALTH- 3 FIRE-1 REACTIVITY- 0****Carcinogen: NTP (Yes) IARC (Yes) OSHA (Yes)****DATE REVISED:** 5/27/2009

* HMIS CODE ratings are estimated by Epoxy Technology.

REV: A

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

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

Silver Flake	7440-22-4	70-90%
Butylated Epoxy Resin	71033-08-4	10-20%
Resorcinol Diglycidyl Ether	101-90-6	5-10%

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

V. HEALTH HAZARD DATA

Epo Tek EE112-1, Part A

EFFECTS OF OVER EXPOSURE

INGESTION: May cause illness or allergic reaction

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: severe allergic reaction. Suspect human carcinogen

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 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 EE112-1, Part B**EMERGENCY PHONE:**
(978) 667 3805***HMIS: HEALTH- 2 FIRE-1 REACTIVITY- 1****Carcinogen: NTP (No) IARC (No) OSHA (No)****DATE REVISED:** 5/27/2009

* HMIS CODE ratings are estimated by Epoxy Technology.

REV: A

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

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

Silver flake

7440-22-4

70-95%

Polyoxypropylenediamine

9046-10-0

10-30%

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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EFFECTS OF OVER EXPOSURE

INGESTION: Contains materials that may be moderately toxic. Ingestion can severely upset the gastric system.

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

SKIN CONTACT: May cause dermatitis. Can burn the skin.

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

CHRONIC EFFECTS OF OVER EXPOSURE: May cause dermatitis and sensitization.

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 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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REGULATORY INFORMATION

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

PRODUCT NAME: EE112-1
DATE REVISED: 9/24/2009
REV: B

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

Proper Shipping Name: Amines, Liquid, Corrosive, N.O.S. (Polyoxypropylenediamine)

Hazard Class: 8

Packing Group: III

ID Number: UN2735

Transport Label(s): Corrosive Liquid

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.