

**MATERIAL SAFETY DATA SHEET****PRODUCT NAME:** EPO-TEK 353ND-4, 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:** 7/22/2010**REV:** F

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

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**II. HAZARDOUS INGREDIENTS****CAS #****WT %**Epoxy Novolac Resin  
Resin Solution28064-14-4  
3878-43-140-60%  
40-60%

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

**EFFECTS OF OVEREXPOSURE**

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

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

**SKIN CONTACT:** Skin irritation may be experienced with some individuals.

**EYE CONTACT:** Extremely irritating with the possibility of permanent eye injury.

**CHRONIC/ACUTE EFFECTS OF EXPOSURE:** Combinations of above conditions can be experienced.

**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 353ND-4, Part B

**\*HMIS: HEALTH- 3 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

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**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:** 1.02

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**II. HAZARDOUS INGREDIENTS**

	<b>CAS#</b>	<b>WT %</b>
Imidazole	288-32-4	25-50%

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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 oxides of nitrogen, carbon monoxide, and carbon dioxide.

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**EFFECTS OF OVEREXPOSURE**

**INGESTION:** Ingestion can severely upset the gastric system.

**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:** Repeated and/or prolonged exposures may result in: adverse respiratory effects (such as cough, tightness of chest or shortness of breath), adverse eye effects (such as Conjunctivitis corneal damage), adverse eye effects (such as rash, irritation or corrosion).

**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.

**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 353ND-4  
**DATE REVISED:** 7/22/2010  
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**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

Proper Shipping Name: Resin Solution, Flammable  
Hazard Class: 3  
Packing Group: III  
ID Number: UN1866  
Transport Label(s): Flammable Liquid

Part B

Proper Shipping Name: Corrosive, Liquid, Basic, Organic, N.O.S (Imidazole)  
Hazard Class: 8  
Packing Group: III  
ID Number: UN3267  
Transport Label(s): Corrosive Liquid

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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.