

MATERIAL SAFETY DATA SHEET**PRODUCT NAME:** EPO-TEK H61ND**EPOXY TECHNOLOGY
14 FORTUNE DRIVE
BILLERICA, MA 01821*****HMIS: HEALTH- 3 FIRE-1 REACTIVITY- 0****EMERGENCY PHONE:
(978) 667- 3805****Carcinogen: NTP (No) IARC (No) OSHA (No)****DATE REVISED: 5/21/01
REV: A**

* HMIS CODE ratings are estimated by Epoxy Technology.

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

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

Resorcinol Diglycidyl Ether (RDGE)	101-90-6	1-20%	See Ingredient Sheet 110309.
------------------------------------	----------	-------	------------------------------

Resorcinol Diglycidyl Ether is the only ingredient that requires reporting via Sara Title III, under sections 311 and 312.

III. FIRE & EXPLOSION DATA**FLASH POINT:** >350F**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, carbon dioxide and oxides of nitrogen.

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

EFFECTS OF OVER EXPOSURE

INGESTION: Ingestion causes severe gastric disturbances.

INHALATION: Can be severely irritating to the respiratory tract. This type of exposure is avoidable with local exhaust ventilation.

SKIN CONTACT: Skin contact can result in severe irritation. This type of exposure is avoidable with local exhaust ventilation, adequate clothing, the use of barrier cream, gloves, and chemical splash goggles.

EYE CONTACT: Eye contact can result in severe irritation. Swelling and corneal clouding may result. This type of exposure is avoidable with local exhaust ventilation and the use of chemical splash goggles.

CHRONIC EFFECTS OF OVER EXPOSURE: Specific information not available. Resorcinol diglycidyl ether gave positive Ames Test (Mutagenic). No clear evidence of carcinogenicity in painting studies. Listed by NTP.

EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT: Wash eyes with running water for, at least, 15 minutes. Get immediate medical attention.

SKIN CONTACT: Wash affected areas with soap and water. Do not use solvents for cleaning. Remove contaminated clothing.

INGESTION: Get immediate medical attention.

INHALATION: Can be irritating to respiratory tract. Remove to fresh air. Get medical attention if discomfort persists.

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.

REGULATORY INFORMATION

PRODUCT NAME: EPO-TEK H61ND
DATE ISSUED: 5/21/01

**EPOXY TECHNOLOGY
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): Epichlorohydrin@<40ppm.

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

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****PRODUCT NAME:** Resorcinol Diglycidyl Ether**EMERGENCY PHONE:****INGREDIENT CODE NUMBER:** 110309

(978) 667 – 3805

***HMIS: HEALTH (3) FLAMMIBILITY (1)
REACTIVITY (1)****DATE REVISED: 5/2/01
REV: B****CARCINOGEN: NTP (No) IARC (No) OSHA (No)**
*HMIS CODE rating are estimated by Epoxy Technology

I. IDENTIFICATION & PHYSICAL DATAColor: Light Yellow
Odor: Slight
Physical State: Epoxy Liquid
Solubility in Water: Negligible
Vapor Pressure: NA
Specific Gravity: 1.21
Boiling Point: [0.8mmHg@172](#) deg C

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

Resorcinol

100%

101-90-6

TOXICITY DATASkin: NA
Eye: NA
Oral:LD50: 2570mg/kg (rat)
Inhalation:LC50: NA

III. FIRE AND EXPLOSION DATA**FLASH POINT:** >250**EXTINGUISHING MEDIA:** Carbon dioxide, foam, dry chemical, water spray.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None**FIRE FIGHTING EQUIPMENT:** None

IV. REACTIVITY DATA**STABILITY:** Stable**CONDITIONS TO AVOID:** Avoid storage at high temperatures.**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning may produce irritating vapors and/or carbon monoxide**HAZARDOUS POLYMERIZATION:** Will not occur

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 OVER EXPOSURE

INGESTION: Ingestion can cause sever irritation and gastric system disturbances.

INHALATION: Inhalation of vapors can cause severe respiratory irritation. This type of exposure can be avoided with effective, local exhaust ventilation.

SKIN CONTACT: Can cause sever irritation and sensitivity. This type of exposure can be minimized by complying with the recommended controls outlined in Section VII.

EYE CONTACT: Severe irritant to the eyes. Can cause injury. This type of contact can be eliminated through the use of chemical splash goggles.

CHRONIC EFFECTS OF OVER EXPOSURE: Can cause dermatitis and sensitization. Resorcinol Diglycidyl Ether is a suspected 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: Wash immediately with plenty of soap and water. Take off contaminated clothing and shoes.

INGESTION: Remove visible material, clean the face with water; lay down quiet and seek medical advice immediately.

INHALATION: Can be severely irritating to the respiratory tract. Get medical attention if discomfort persists.

VI. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED: Eliminate ignition sources. Use adequate eye, skin, and respiratory protection. Place leaking containers in a well ventilated area. Absorb spillage with inert material and dispose.

WASTE DISPOSAL METHOD: Use hazardous waste treatment procedures that are in accordance with federal, state, and local regulations.

VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear a

VENTILATION: Locale ehxhaust 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.