

**1. Identification**

Product Identifier: **PolyPoxy® 5003 Adhesive/Laminating Epoxy Hardener**  
**BC-6004 Epoxy Surface Coat Hardener**  
**PolyPoxy® 6060 Epoxy Surface Coat Hardener**

Product Code(s): BC5003H, BC5003RRED, BC6004H, BC6060H

Use: Epoxy Curing Agent. For Industrial/Professional use only.

Manufacturer: Polytek Development Corp.  
 2140 Earlywood Drive, Franklin, IN 46131

Phone Number: 610-559-8620 (8 a.m. to 6:30 p.m. EST)

Emergency Phone: CHEMTREC 800-424-9300 or +1 (703) 527-3887

E-mail: [sds@polytek.com](mailto:sds@polytek.com)

**2. Hazards Identification**

**GHS Classification:**

Acute Toxicity – Oral Category 4  
 Acute Toxicity – Dermal Category 4  
 Acute Toxicity – Inhalation Category 2  
 Skin Irritation – Category 1B  
 Skin Sensitization – Category 1  
 Specific Target Organ Toxicity Single Exposure – Category 3 (lungs)  
 Reproductive Toxin – Category 2  
 Hazardous to the Aquatic Environment – Short-Term Hazard Category 2

Label Elements: Danger



**Hazard Phrases:**

H302 Harmful if swallowed.  
 H312 Harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.  
 H330 Fatal if inhaled.  
 H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 H361 Suspected of damaging fertility or the unborn child.  
 H401 Harmful to aquatic life.

**Precautionary Phrases:**

P203 Obtain, read and follow all safety instructions before use.  
 P260 Do not breathe vapors.  
 P261 Avoid breathing vapors.  
 P264 Wash thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves.  
 P284 In case of inadequate ventilation, wear respiratory protection.  
 P301+P317 IF SWALLOWED: Get medical help.  
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P302+P361+P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P316 Get emergency medical help immediately.  
 P317 Get medical help.  
 P318 IF exposed or concerned, get medical advice.  
 P319 Get medical help if you feel unwell.  
 P330 Rinse mouth.  
 P333+P317 If skin irritation or rash occurs: Get medical help.  
 P362+P364 Take off contaminated clothing and wash before reuse.  
 P363 Wash contaminated clothing before reuse.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents and container in accordance with local, regional and national regulations.

**Supplemental Information:** This is one part of a two-part system. Read and understand the hazard information on part A before using.

**3. Composition/Information on Ingredients**

Chemical Name	CAS #	%
Diethylenetriamine	111-40-0	35-45
Bisphenol A	25068-38-6	20-40
4,4'-Isopropylidenediphenol	80-05-7	20-30
Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentrations limits.		

**4. First-Aid Measures**

**Eye Contact:** Rinse thoroughly with water for at least 15 minutes, holding the eyelids open to be sure the material is washed out. Remove contact lenses if present and easy to do. Get medical attention of irritation develops or persists.

**Skin Contact:** Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation or symptoms of exposure develop. Launder clothing before re-use. Discard items that cannot be decontaminated.

**Inhalation:** If inhaled, remove person to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention if symptoms develop or persist.

**Ingestion:** Rinse mouth and drink several glasses of water. Do not induce vomiting. Get medical attention if you feel unwell.

**Most Important Symptoms/Effects:** Harmful if swallowed, in contact with skin or if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Suspected of damaging fertility or the unborn child.

**Indication of Immediate Medical Attention/Special Treatment:** Provide general supportive measures and treat symptomatically. Keep victim under observation as symptoms may be delayed.

**5. Fire-Fighting Measures**

**Extinguishing Media:** Use alcohol-resistant foam, carbon dioxide, water fog or dry chemical.

**Specific Hazards:** Not classified as flammable or combustible.

**Special Protective Equipment & Precautions for Fire-Fighters:** Wear positive pressure, self-contained breathing apparatus and full-body protective clothing. Cool fire-exposed containers with water.

**6. Accidental Release Measures**

**Personal Precautions, Protective Equipment and Emergency Procedures:** Remove all ignition sources. Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors. Ventilate area.

**Methods and Materials for Containment and Cleanup:** Do not discharge material into waterways. Cover with an inert absorbent material and collect into an appropriate container for disposal.

## 7. Handling and Storage

**Safe Handling:** Avoid contact with eyes, skin and clothing. When using, do not eat, drink, or smoke. Use with properly positioned local exhaust ventilation to prevent exposure. Wash thoroughly after handling. Keep container closed when not in use.

**Safe Storage:** Store indoors at temperatures between 40°F and 95°F. Store in original, unopened containers away from incompatible materials, open flames, and high temperatures.

## 8. Exposure Controls/Personal Protection

**Occupational Exposure Limits:** For diethylenetriamine (CAS 111-40-0):

ACGIH TLV      4.3 mg/m<sup>3</sup> TWA

**Ventilation:** Use with properly positioned local exhaust ventilation to prevent exposure and maintain air levels below the occupational exposure limits.

**Respiratory Protection:** If ventilation is not adequate, use an approved respirator with organic vapor cartridges or supplied air. Respirator selection and use should be based on contaminant type, form and concentration. For higher exposures or in an emergency, use a supplied-air respirator.

**Skin Protection:** Wear impervious gloves, such as butyl rubber or nitrile rubber.

**Eye Protection:** Wear chemical safety goggles or face shield.

**Other Protective Measures:** Wear impervious clothing to prevent skin contact and contamination of personal clothing. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

## 9. Physical and Chemical Properties

**Appearance:** Liquid, amber

**Odor:** Amine

**Odor Threshold:** No data available

**pH:** Alkaline

**Melting Point/Freezing Point:** No data available

**Boiling Point:** No data available

**Flash Point:** >199.9°F

**Evap. Rate:** <1

**Flamm. Limits:** No data available

**Vapor Pressure:** <1 mm Hg @ 20°C

**Vapor Density:** >1

**Relative Density:** 1.0-1.1 g/cm<sup>3</sup>

**Solubility:** Insoluble in water

**Partition Coefficient: n-octanol/Water:** No data available

**Auto-Ignition Temp:** >572°F

**Decomposition Temp:** No data available

**Viscosity:** 3,400-5,000 cps

## 10. Stability and Reactivity

**Reactivity:** Not normally reactive.

**Chemical Stability:** Stable under recommended conditions.

**Possibility of Hazardous Reactions:** Mixtures with strongly acidic or strongly alkaline materials may produce an exothermic reaction.

**Conditions to Avoid:** Avoid elevated temperatures and sources of ignition.

**Incompatible Materials:** Avoid strong acids, strong oxidizing agents, strong reducing agents, acid chlorides, acid anhydrides, hypochlorites. Mixtures with nitriles may generate carcinogenic N-Nitrosamines.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, nitric acid, ammonia, and nitrogen oxides.

## 11. Toxicological Information

**Eye Contact:** Causes serious eye damage.

**Skin Contact:** Causes skin burns and irritation.

**Inhalation:** Fatal if inhaled.

**Ingestion:** Harmful if swallowed.

**Chronic Health Effects:** May cause damage to organs through prolonged or repeated exposure.

**Acute Toxicity Values:** For diethylenetriamine (CAS 111-40-0):

Oral LD<sub>50</sub> Rat: 1,836 mg/kg

Dermal LD<sub>50</sub> Rabbit: 1,986 mg/kg

Inhalation LD<sub>50</sub> Rat: 0.30 mg/L

**Respiratory Sensitization:** This product is not considered a respiratory sensitizer.

**Skin Sensitization:** This product is classified as a skin sensitizer.

**Germ Cell Mutagenicity:** This product is not considered a mutagen.

**Carcinogenicity:** Product has not been tested for carcinogenicity. No ingredients are designated as carcinogens by NTP, IARC, or OSHA.

**Reproductive Toxicity:** This product contains Bisphenol A (CAS 80-05-7), a chemical suspected of damaging fertility or the unborn child.

**Specific Target Organ Toxicity:** The product may cause respiratory irritation after a single exposure.

## 12. Ecological Information

**Ecotoxicity:** Harmful to aquatic life.

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

## 13. Disposal Considerations

Incinerate or otherwise dispose according to local, state and federal regulations.

## 14. Transport Information

**U.S. DOT:** UN2079, Diethylenetriamine, 8, II

**IMDG:** UN2079, Diethylenetriamine, 8, II

**AIR/IATA:** UN2079, Diethylenetriamine, 8, II

**Emergency Shipping Information:** Call CHEMTREC, 800-424-9300 or +1-703-527-3887

## 15. Regulatory Information

**U.S. FEDERAL REGULATIONS:**

**CERCLA 103 Reportable Quantity:** RQ for Bisphenol A is 5000lb. Some states have more stringent reporting requirements.

**SARA TITLE III Section 311/312:** Acute and Chronic Health Hazard  
**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

Bisphenol A (CAS 25068-38-6) 20-40%

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on TSCA.

**STATE REGULATIONS:**

**California Proposition 65: WARNING:** This product contains Bisphenol A (CAS 25068-38-6), a chemical known to the State of California to cause birth defects or other reproductive harm.

[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## 16. Other Information

**Training Advice:** All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

**Recommended Uses and Restrictions:** This product is intended for industrial use only.

**SDS Revision Notes:** GHS Format, November 15, 2019

**Disclaimer:** The information contained herein is considered accurate; however, Polytek® makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.