

## 1. Identification

Product Identifier: **BC-5004 Epoxy Resin**  
**BC-5006 Epoxy Resin**  
**BP-2014 Laminating Epoxy Resin**  
**HPX-820 Epoxy Resin**

Product Code(s): BC5004R, BC5006R, BC2014H, BCHPX820R

Use: Epoxy resin for epoxy system.  
 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:

Skin Irritation Category 2  
 Eye Irritation Category 2A  
 Skin Sensitizer Category 1  
 Specific Target Organ Toxicity Single Exposure Category 3  
 Hazardous to the Aquatic Environment Chronic Hazard Category 2

Label Elements: Warning



### Hazard Phrases

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.

### Precautionary Phrases

P261 Avoid breathing fumes or vapors.  
 P264 Wash thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P272 Contaminated work clothing must not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves and eye protection.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P333+P317 If skin irritation or rash occurs: Get medical help.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P319 Get medical help if you feel unwell.  
 P337+P317 If eye irritation persists: Get medical help.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P391 Collect spillage.  
 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 curative before using.

## 3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Propane, 2,2-bis[p(2,3-epoxypropoxy)phenyl]-, polymers	25085-99-8	80-90
Oxirane, Mono[[(C12-14-alkyloxy)methyl]]	68609-97-2	10-20
Other ingredients or exact concentrations are withheld as trade secret or are not classified as hazardous.		

## 4. First-Aid Measures

**Eye Contact:** Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Remove contact lenses if safe and easy to do. Continue rinsing. Get medical attention if irritation persists.

**Skin Contact:** Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation persists. Launder contaminated clothing before reuse. Discard any clothing that cannot be decontaminated.

**Inhalation:** Remove person to fresh air. Get medical attention if symptoms persist.

**Ingestion:** Do not induce vomiting. Get medical attention.

**Most Important Symptoms/Effects:** May cause an allergic skin reaction.

**Indication of Immediate Medical Attention/Special Treatment:** Treat symptoms.

## 5. Fire-Fighting Measures

**Extinguishing Media:** Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or spread fire.

**Specific Hazards:** Not classified as flammable or combustible. Product will burn under fire conditions. Combustion products include oxides of carbon, phenolics, aldehydes and other toxic organic compounds.

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

## 6. Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency

**Procedures:** Clear unnecessary, unprotected personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors.

**Methods and Materials for Containment and Cleanup:** Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid releases to the environment.

## 7. Handling and Storage

**Safe Handling:** Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Keep container closed when not in use.

**Safe Storage:** Store indoors at temperatures below 120°F (49°C). Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

## 8. Exposure Controls/Personal Protection

**Occupational Exposure Limits:** None established.

**Ventilation:** Use with adequate general or local exhaust ventilation to minimize exposure levels.

**Respiratory Protection:** If needed, an approved respirator with organic vapor cartridges may be used. 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 glasses/goggles.

**Other Protective Measures:** 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

**Odor:** Epoxy

**Odor Threshold:** No data available

**pH:** Not determined

**Melting Point:** No data available

**Boiling Point:** No data available

**Flash Point:** No data available

**Evap. Rate:** No data available

**Upper/Lower Flammability Limits:** No data available

**Vapor Pressure:** No data available

**Vapor Density:** No data available

**Relative Density:** No data available

**Solubility:** Nil to slightly soluble in water

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

**Auto-Ignition Temp:** No data available

**Decomposition Temp:** No data available

**Viscosity:** No data available

## 10. Stability and Reactivity

**Reactivity:** Not normally reactive.

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

**Possibility of Hazardous Reactions:** Masses of  $\geq 1$  lb (0.5 kg) plus aliphatic amine will cause irreversible polymerization with considerable heat build-up. Material will polymerize with sodium hydroxide.

**Conditions to Avoid:** Avoid excessive heat.

**Incompatible Materials:** Avoid contact with strong oxidizing agents, acids, alkalis, amines, mercaptans.

**Hazardous Decomposition Products:** Uncontrolled exothermic reaction of epoxy resin releases carbon monoxide, carbon dioxide, phenolics, and aldehydes.

## 11. Toxicological Information

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

**Skin Contact:** Causes skin irritation. May cause sensitization. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Inhalation:** Vapors from heated product may cause respiratory irritation.

**Ingestion:** No data available.

**Chronic Health Effects:** May cause an allergic skin reaction.

**Acute Toxicity Values:** Not acutely hazardous.

**Respiratory Sensitization:** Components are not respiratory sensitizers.

**Skin Sensitization:** Causes allergic skin reaction.

**Germ Cell Mutagenicity:** Components are not mutagens.

**Carcinogenicity:** Components are not carcinogens.

**Reproductive Toxicity:** Components are not reproductive toxins.

**Specific Target Organ Toxicity:** May damage organs through prolonged or repeated exposure.

## 12. Ecological Information

**Ecotoxicity:** Harmful to aquatic life with long lasting effects. Do not release to waterways.

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

**Bioaccumulative Potential:** No data available.

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

## 13. Disposal Considerations

Dispose according to local, state and federal regulations. Do not dump in drains or sewers.

## 14. Transport Information

**U.S.:** UN 3082, Environmentally hazardous substance, liquid, n.o.s. (epoxy resin, aliphatic C12-C14 glycidyl ether), 9, III, MARINE POLLUTANT.

**International shipments:** UN 3082, Environmentally hazardous substance, liquid, n.o.s. (epoxy resin, aliphatic C12-C14 glycidyl ether), 9, III, MARINE POLLUTANT.

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

## 15. Regulatory Information

**U.S. FEDERAL REGULATIONS:**

**CERCLA 103 Reportable Quantity:** This product is not subject to reporting under CERCLA. 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 no chemicals subject to SARA Title III Section 313 Reporting requirements.

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

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

**STATE REGULATIONS:**

**California Proposition 65:** This product does not contain chemicals known to the State of California to cause cancer and/or 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/professional use only.

**SDS Revision Notes:** GHS Classification, December 11, 2019

**Disclaimer:** The information contained herein is considered accurate; however, Polytek® Development Corp. 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.