

## 1. Identification

Product Identifier: **BC 7009 Epoxy Casting Black Resin**  
 Product Code(s): BC7009R  
 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 2  
 Skin Sensitizer Category 1  
 Reproductive Toxin – Category 1B  
 Specific Target Organ Toxicity Repeat Exposure – Category 2  
 Hazardous to the Aquatic Environment – Acute Hazard Category 2  
 Hazardous to the Aquatic Environment – Chronic Hazard Category 3

Label Elements: Danger



### Hazard Phrases

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H360 May damage fertility or the unborn child.  
 H401 Toxic to aquatic life.  
 H412 Harmful to aquatic life with long lasting effects.

### Precautionary Phrases

P203 Obtain, read and follow all safety instructions before use.  
 P260 Do not breathe fumes or vapors.  
 P261 Avoid breathing vapors.  
 P264 Wash hands and contacted areas thoroughly after handling.  
 P272 Contaminated work clothing must not be allowed out of the workplace.  
 P280 Wear protective gloves and eye protection.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P318 IF exposed or concerned, get medical advice.  
 P319 Get medical help if you feel unwell.  
 P333+P317 If skin irritation or rash occurs: Get medical help.  
 P337+P317 If eye irritation persists: Get medical help.  
 P362+P364 Take off contaminated clothing and wash before reuse.  
 P273 Avoid release to the environment.  
 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]-, polymer	25085-99-8	20-30
Di-n-Butyl Phthalate	84-74-2	0-10

Exact concentrations are withheld as trade secret. Other ingredients not listed are either not hazardous or are below the cut-off/concentration thresholds.

## 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. Throw away 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 if you feel unwell.

**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:** For Di-n-Butyl Phthalate (CAS 84-74-2):

OSHA PEL 5 mg/m<sup>3</sup> TWA

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

**Respiratory Protection:** If needed, a NIOSH-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:** <0.03 mm Hg @ 25°C

**Vapor Density:** >1 (Air = 1)

**Relative Density:** No data available

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

**Partition Coefficient: n-octanol/Water:** 3 (log Pow)

**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. After prolonged storage, may crystallize.

**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:** Allergic skin reaction.

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

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

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

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

**Carcinogenicity:** This product is not a carcinogen.

**Reproductive Toxicity:** Product contains Di-n-Butyl Phthalate (CAS 84-74-2), a chemical that may damage fertility or the unborn child.

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

## 12. Ecological Information

**Ecotoxicity:** Toxic to aquatic life and may have long lasting effects. Do not release into 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, dibutyl phthalate), 9, III, MARINE POLLUTANT.

**International shipments:** UN 3082, Environmentally hazardous substance, liquid, n.o.s. (epoxy resin, dibutyl phthalate), 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:** The RQ for Di-n-Butyl Phthalate is 10 lbs. 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 chemicals subject to SARA Title III Section 313 Reporting requirements:

Di-n-Butyl Phthalate (CAS 84-74-2) 0-10%

**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: WARNING:** This product contains Di-n-Butyl Phthalate (CAS 84-74-2), a chemical known to the State of California to cause 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 10, 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.