

## 1. Identification

Product Identifier: **BC-8163 Urethane Elastomer Part B**  
 Product Code(s): BC8163B  
 Use: Component for Liquid Polyurethane Casting Resin. For Industrial/Professional use only.  
 Manufacturer: Polytek® Development Corp.  
 2140 Earlywood Dr. 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:

Flammable Liquid – Category 3

Skin Irritation – Category 3

Label Elements: Warning



### Hazard Statements:

H316 Causes mild skin irritation.  
 H226 Flammable liquid and vapor.

### Precautionary Phrases

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233 Keep container tightly closed.  
 P240 Ground and bond container and receiving equipment.  
 P241 Use explosion-proof electrical and ventilating equipment.  
 P242 Use non-sparking tools.  
 P243 Take action to prevent static discharges.  
 P280 Wear protective gloves, clothing, eye protection, face protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water or shower.  
 P332+P317 If skin irritation occurs: Get medical help.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents and container in accordance with local, state, and federal 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 #      | %    |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|
| Dipropylene Glycol                                                                                                                               | 25265-71-8 | 0-10 |
| Tiethylenediamine                                                                                                                                | 280-57-9   | 0-10 |
| Petroleum Distillates                                                                                                                            | 64742-47-8 | 0-10 |
| Exact concentrations are withheld as trade secret. Other ingredients 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. Get medical attention if irritation develops or persists.

**Skin Contact:** Wash contact area thoroughly with soap and water. Get medical attention if irritation develops or persists.

**Inhalation:** If breathing is difficult, remove person to fresh air and keep comfortable. Get medical attention if you feel unwell.

**Ingestion:** If swallowed, do not induce vomiting unless instructed to do so by a medical professional. Get medical attention if you feel unwell.

**Most Important Symptoms/Effects:** None known.

**Indication of Immediate Medical Attention/Special Treatment:** Not expected to be required.

## 5. Fire-Fighting Measures

**Extinguishing Media:** Carbon dioxide, dry chemical, foams, or water spray.

**Specific Hazards:** Flammable liquid. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. May generate toxic/irritating compounds and dense smoke in fire conditions.

### Special Protective Equipment and Precautions for Fire-Fighters:

Wear SCBA & full-body protective suit. Cool hot 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.

**Methods and Materials for Containment and Cleanup:** Contain spill and prevent/minimize release to the environment. Absorb spilled material with an inert absorbent. Collect and containerize material. Dispose of residue in accordance with state and local regulations.

## 7. Handling and Storage

**Safe Handling:** Avoid breathing vapor. Use in well ventilated area. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke in work area. Wash hands after handling.

**Safe Storage:** Store indoors at temperatures between 60 and 95°F. Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

## 8. Exposure Controls/Personal Protection

**Exposure Limits:** None established.

**Engineering Controls:** Provide general and local exhaust to minimize airborne concentrations.

**Personal Protective Equipment:** Wear eye protection (e.g., chemical splash goggles), protective clothing and impermeable gloves (e.g., nitrile or butyl rubber). In the absence of good ventilation, use respirator equipped with organic vapor cartridges or air-supplied respirator.

**Other Protective Measures:** Impervious clothing is recommended to prevent skin contact and contamination of personal clothing. An eyewash and washing facility should be available in the work area.

## 9. Physical and Chemical Properties

**Appearance:** Liquid

**Odor:** Mild

**Odor Threshold:** No data available

**pH:** Not applicable

**Melting Point:** No data available

**Boiling Point:** No data available

**Flash Point:** 106° F

**Evap. Rate:** No data available

**Flamm. Limits:** No data available

**Vapor Pressure:** No data available

**Vapor Density:** No data available

**Relative Density:** No data available

**Solubility:** Insoluble 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:** No data available.  
**Conditions to Avoid:** Excessive heat and exposure to sunlight.  
**Incompatible Materials:** Strong oxidizers and acids.  
**Hazardous Decomposition Products:** Thermal decomposition will generate oxides of carbon.

## 11. Toxicological Information

**Eye Contact:** May cause mild eye irritation.  
**Skin Contact:** Causes mild skin irritation.  
**Inhalation:** May cause mild respiratory irritation.  
**Ingestion:** No data available.  
**Chronic Health Effects:** No data available.  
**Acute Toxicity Values:** Not acutely hazardous.  
**Germ Cell Mutagenicity:** Components are not known mutagens.  
**Carcinogenicity:** Components are not carcinogens.  
**Reproductive Toxicity:** Components are not known reproductive toxins.  
**Specific Target Organ Toxicity:** No data available.

## 12. Ecological Information

**Ecotoxicity:** No data available. 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, regional and national regulations. Product is ignitable.

## 14. Transport Information

**DOT:** UN1268, Petroleum Distillates, n.o.s. (mixture of petroleum distillates), 3, III, MARINE POLLUTANT  
**IMDG:** UN1268, Petroleum Distillates, n.o.s. (mixture of petroleum distillates), 3, III, MARINE POLLUTANT  
**IATA:** UN1268, Petroleum Distillates, n.o.s. (mixture of petroleum distillates), 3, III, MARINE POLLUTANT  
**Emergency Shipping Info:** CHEMTREC, 800-424-9300 or +1-703-527-3887

## 15. Regulatory Information

**U.S. FEDERAL REGULATIONS:**  
**CERCLA 103 Reportable Quantity:** Components are not subject to CERCLA reporting requirements. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.  
**SARA TITLE III:**  
**Hazard Category for Section 311/312:** Acute and Chronic Health Hazard  
**Section 313 Toxic Chemicals:** Components are not subject to SARA Section 313 reporting requirements.  
**Section 302 Extremely Hazardous Substances (TPQ):** None  
**EPA Toxic Substances Control Act (TSCA) Status:** All components are listed on the TSCA Inventory.

## 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 or professional use only.

**SDS Revision Notes:** GHS Classification, December 12, 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.