

**1. Identification**

Product Identifier: **BC-8990 Urethane Elastomer Part B**  
 Product Code(s): BC8990B  
 Use: 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
- Eye Irritation – Category 2
- Reproductive Toxin – Category 1B
- Specific Target Organ Toxicity – Repeated Exposure Category 2
- Hazardous to the Aquatic Environment – Acute Hazard Category 1
- Hazardous to the Aquatic Environment – Chronic Hazard Category 1

**Label Elements:** Danger



**Hazard Phrases:**

- H302 Harmful if swallowed.
- H319 Causes serious eye irritation.
- H360 May damage fertility or the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Phrases:**

- P203 Obtain, read and follow all safety instructions before use.
- P260 Do not breath fumes or vapors.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, protective clothing and eye protection.
- P318 IF exposed or concerned, get medical advice.
- P319 Get medical help if you feel unwell.
- P301+P317 IF SWALLOWED: 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.
- P330 Rinse mouth.
- P337+P317 If eye irritation persists: Get medical help.
- P391 Collect spillage.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local, state, and federal regulations.

**Supplemental Information:** Read and understand the hazard information on Part A before using.

**3. Composition/Information on Ingredients**

Chemical Name	CAS #	%
Benzenediamine, ar,ar-diethyl-ar-methyl-	68479-98-1	30-40
Di-n-Butyl Phthalate	84-74-2	60-70
Exact concentrations are withheld as trade secret. Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentration limits.		

**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. Get medical attention if you feel unwell.  
**Ingestion:** Rinse mouth. Do not induce vomiting. Get medical attention if symptoms develop or persist.  
**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, foam.  
**Specific Hazards:** Not classified as flammable or combustible.  
**Special Protective Equipment and Precautions for Fire-Fighters:** Wear SCBA & full-body protective suit.

**6. Accidental Release Measures**

**Personal Precautions, Protective Equipment and Emergency Procedures:** Use SCBA and chemically protective clothing. Clear unnecessary, unprotected personnel from the area. Do not release into waterways.  
**Methods and Materials for Containment and Cleanup:** Contain spill and prevent/minimize release to the environment. Collect with inert absorbent and containerize material for disposal.

**7. Handling and Storage**

**Safe Handling:** Do not breathe fumes or vapors. Do not smoke, eat, or drink when using this product. Do not release into waterways.  
**Safe Storage:** Keep container tightly closed in a dry, well-ventilated area.

**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
ACGIH TLV	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 clothing and gloves, such as butyl rubber or nitrile rubber.  
**Eye Protection:** Wear chemical safety glasses/goggles.  
**Other Protective Measures:** An eye wash facility and washing facility should be available in the work area. Wash hands at the end of each work shift and before eating, smoking or using the toilet. Follow applicable regulations and good Industrial Hygiene practice.

## 9. Physical and Chemical Properties

**Appearance:** Liquid  
**Odor:** No data available  
**Odor Threshold:** No data available  
**pH:** No data available  
**Melting Point:** No data available  
**Boiling Point:** Not data available  
**Flash Point:** No data available  
**Evaporation Rate:** No data available  
**Flammable Limits:** No data available  
**Vapor Pressure:** No data available  
**Vapor Density:** No data available  
**Relative Density:** No data available  
**Solubility:** No data available  
**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:** No data available  
**Incompatible Materials:** Avoid strong acids, strong bases, and strong oxidizing agents.  
**Hazardous Decomposition Products:** Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), aldehydes, ketones, burning produces noxious and toxic fumes.

## 11. Toxicological Information

**Eye Contact:** Causes serious eye irritation.  
**Skin Contact:** May cause mild irritation.  
**Inhalation:** May cause mild respiratory irritation.  
**Ingestion:** No data available.  
**Chronic Health Effects:** No data available.  
**Acute Toxicity Values:** For Benzenediamine, ar,ar-diethyl-ar-methyl- (CAS 68479-98-1):

Oral LD<sub>50</sub> rat: 738 mg/kg  
Dermal LD<sub>50</sub> rabbit: >2,000 mg/kg

For Di-n-Butyl Phthalate (CAS 84-74-2):  
Oral LD<sub>50</sub> rat: 8,000 mg/kg  
Dermal LD<sub>50</sub> rabbit: 20,860 mg/kg  
Inhalation LC<sub>50</sub> rat: 4,250 mg/kg

**Germ Cell Mutagenicity:** Components are not classified as mutagens.  
**Carcinogenicity:** Relevant components are not listed as known or suspected carcinogens by NTP, IARC or OSHA.  
**Reproductive Toxicity:** This product contains Di-n-Butyl Phthalate (CAS 84-74-2), a chemical that is suspected of damaging fertility or the unborn child.  
**Specific Target Organ Toxicity:** May cause damage to organs through prolonged or repeated exposure.

## 12. Ecological Information

**Ecotoxicity:** Very toxic to aquatic life with long lasting effects. Do not release into waterways.  
**Persistence and Degradability:** No data available.  
**Bioaccumulative Potential:** No data available.  
**Mobility in Soil:** Not expected to migrate.

## 13. Disposal Considerations

Dispose according to local, regional and national regulations.

## 14. Transport Information

**DOT:** UN3082, Environmentally hazardous substance, liquid, n.o.s (diethyltoluenediamine, di-n-butyl phthalate), 9, III, MARINE POLLUTANT.  
**IMDG:** UN3082, Environmentally hazardous substance, liquid, n.o.s (diethyltoluenediamine, di-n-butyl phthalate), 9, III, MARINE POLLUTANT.  
**IATA:** UN3082, Environmentally hazardous substance, liquid, n.o.s (diethyltoluenediamine, di-n-butyl 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:** RQ for Di-n-Butyl Phthalate is 10 lbs. 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:** Contains chemicals subject to SARA Title III Section 313 Reporting requirements:  
Di-n-Butyl Phthalate (CAS 84-74-2) 60-70%  
**Section 302 Extremely Hazardous Substances (TPO):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All components 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 these products should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

**Recommended Uses and Restrictions:** Intended for industrial or professional use only.

**SDS Revision Notes:** GHS format December 26, 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.