

**1. Identification**

Product Identifier: **BC-8860 Amber Urethane Elastomer Part B**  
**BC-8860 Black Urethane Elastomer Part B**  
**BC-8860 Red Urethane Elastomer Part B**  
**BC-8870 Urethane Elastomer Part B**  
**BC-8870 Amber Urethane Elastomer Part B**  
**BC-8870 Red Urethane Elastomer Part B**  
**BC-8870 Olive Urethane Elastomer Part B**  
**BC-8870 Black Urethane Elastomer Part B**  
**BC-8870 Tan Urethane Elastomer Part B**  
**BC-8870 Beige Urethane Elastomer Part B**  
**BC-8870 Yellow Urethane Elastomer Part B**  
**BC-8880 Amber Urethane Elastomer Part B**  
**BC-8880 Black Urethane Elastomer Part B**  
**BC-8880 Red Urethane Elastomer Part B**

Product Code(s): BC8860B, BC8860BLKB3.75, BC8860REDB3.75, BC8870BFG36912, BC8870B, BC8870BRED, BC8870BOLI, BC8870BBLK, BC8870BTM17, BC8870BBEI60634, BC8870YEL92376, BC8880B, BC8880BLACKGAL, BC8880BREDGAL

Use: For Industrial/Professional use only.

Manufacturer: Polytek Development Corp.  
 55 Hilton Street, Easton, PA 18042

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 3
- Acute Toxicity (dermal) – Category 2
- Skin Irritation – Category 3
- Eye Irritation – Category 2A
- Skin Sensitization – Category 1
- Germ Cell Mutagen – Category 2
- Carcinogenicity – Category 2
- Reproductive Toxin – Category 1B
- Specific Target Organ Toxicity Single Exposure – Category 1
- Specific Target Organ Toxicity Repeated Exposure – Category 1
- Hazardous to the Aquatic Environment – Acute Hazard Category 1

Label Elements: Danger



**Hazard Phrases:**

- H301 Toxic if swallowed.
- H310 Fatal in contact with skin.
- H316 Causes mild skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H341 Suspected of causing genetic defects.
- H351 Suspected of causing cancer.
- H360 May damage fertility or the unborn child.
- H370 Causes damage to organs
- H372 Causes damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.

**Precautionary Phrases:**

- P203 Obtain, read and follow all safety instructions before use.

- P260 Do not breathe fumes or vapors.
- P261 Avoid breathing fumes or vapors.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and protective clothing.
- P301+P316 IF SWALLOWED: Get emergency medical help immediately.
- P302+P352 IF ON SKIN: Wash with plenty of 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.
- P308+P316 IF exposed or concerned: Get emergency medical help immediately.
- P316 Get emergency medical help immediately.
- 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.
- P337+P317 If eye irritation persists: Get medical help.
- P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- 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 #	%
Di-n-Butyl Phthalate	84-74-2	40-50
N-Methyl-2-pyrrolidone	872-50-4	1-10
4,4'-diaminodiphenyl methane	101-77-9	40-50
Solvent, naphtha	64742-94-5	0-5

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. Remove contact lenses if present and easy to do. Get medical attention if irritation develops and persists.

**Skin Contact:** Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation develops and persists. Throw away clothes that can not be decontaminated.

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

**Ingestion:** Rinse mouth. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell.

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

**Indication of Immediate Medical Attention/Special Treatment:** If swallowed, get immediate medical attention.

**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.

**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. Avoid release to the environment.

## 7. Handling and Storage

**Safe Handling:** Avoid getting material on skin. Do not breathe vapors. Do not smoke, eat, or drink when using this product.

**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>  
ACGIH TLV 5 mg/m<sup>3</sup>

For 4,4'-diaminodiphenyl methane (CAS 101-77-9):

OSHA PEL 10 ppm TWA  
ACGIH TLV 0.10 ppm TWA

For Solvent, naphtha (CAS 64742-94-5):

OSHA PEL 10 ppm 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:** Causes mild irritation. May cause allergic skin reaction. Fatal in contact with skin.

**Inhalation:** May cause respiratory irritation.

**Ingestion:** Toxic if swallowed.

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

**Acute Toxicity Values:** 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

For N-Methyl-2-pyrrolidone (CAS 872-50-4):

Oral LD<sub>50</sub> (rat): 5,130 mg/kg

Dermal LD<sub>50</sub> (rabbit): 8 mg/kg

Inhalation LC<sub>50</sub> (rat): 1,000 mg/m<sup>3</sup>

For 4,4'-diaminodiphenyl methane (CAS 101-77-9):

Oral LD<sub>50</sub> (rat): 335 mg/kg

Dermal LD<sub>50</sub> (rabbit): 200 mg/kg

Inhalation LC<sub>50</sub> (rat): >0.85 mg/L 4hr

**Germ Cell Mutagenicity:** This product contains 4,4'-diaminodiphenyl methane (CAS 101-77-9), a chemical suspected of causing genetic defects.

**Carcinogenicity:** This product contains 4,4'-diaminodiphenyl methane (CAS 101-77-9), a chemical suspected of causing cancer.

**Reproductive Toxicity:** This product contains 4,4'-diaminodiphenyl methane (CAS 101-77-9), a chemical suspected of causing reproductive harm.

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

## 12. Ecological Information

**Ecotoxicity:** Very toxic to aquatic. 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

**U.S. DOT:** UN3082, Environmentally hazardous substance, liquid, n.o.s. (dibutyl phthalate, naphthalene), 9, III, MARINE POLLUTANT

**IMDG:** UN 3082, Environmentally hazardous substance, liquid, n.o.s. (dibutyl phthalate, naphthalene), 9, III, MARINE POLLUTANT

**IATA/Air:** UN3082, Environmentally hazardous substance, liquid, n.o.s. (dibutyl phthalate, naphthalene), 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:** Di-n-Butyl Phthalate RQ is 10 lbs. 4,4'-diaminodiphenyl methane RQ is 10 lb. 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	40-50%
4,4'-diaminodiphenyl methane	CAS 101-77-9	40-50%
Ethanol, 2,2'-oxybis	CAS 111-46-6	0-1%

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

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

### STATE REGULATIONS:

**California Proposition 65: WARNING:** This product contains 4,4'-diaminodiphenyl methane (CAS 101-77-9) and Di-n-Butyl Phthalate (CAS 84-74-2), chemicals known to the State of California to cause cancer and 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 November 27, 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.