

1. Identification

Product Identifier: **BX-51 Urethane Elastomer Part B**
 Product Code(s): BCBX51B
 Use: For Industrial/Professional use only.
 Manufacturer: Polytek Development Corp.
 2410 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

2. Hazards Identification

GHS Classification:

Skin Sensitization – Category 1
 Reproductive Toxin – Category 2
 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 2

Label Elements: Warning



Hazard Phrases:

H317 May cause an allergic skin reaction.
 H361 Suspected of damaging fertility or the unborn child.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H401 Toxic to aquatic life.
 H411 Toxic 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.
 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.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 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.
 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

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. Launder clothing before reuse.
Inhalation: If breathing is difficult, remove person to fresh air. Get medical attention if you feel unwell.
Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell.

Most Important Symptoms/Effects: Suspected of damaging fertility or the unborn child.

Indication of Immediate Medical Attention/Special Treatment: None known.

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: None established

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

Chemical Name	CAS #	%
Benzenediamine,ar,ar-diethyl-ar-methyl-	68479-98-1	0-10
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	15-25
Neodecanoic Acid	26896-20-8	0-10
Decandioic acid	41556-26-7	0-10
Zinc Compound		0-1
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.		

Evaporation Rate: No data available
Flammable Limits: No data available
Vapor Pressure: No data available
Vapor Density: No data available
Relative Density: 1.07
Solubility: No data available
Partition Coefficient: n-octanol/Water: No data available
Auto-Ignition Temp: No data available
Decomposition Temp: No data available
Viscosity: 640 cps

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 (CO₂), aldehydes, ketones, burning produces noxious and toxic fumes.

11. Toxicological Information

Eye Contact: Causes serious eye irritation.
Skin Contact: May cause skin irritation.
Inhalation: May cause respiratory irritation.
Ingestion: No data available.
Chronic Health Effects: May damage fertility or the unborn child.
Acute Toxicity Values: Not acutely hazardous.
Germ Cell Mutagenicity: This product is not a mutagen.
Carcinogenicity: This product does not contain suspected carcinogens.
Reproductive Toxicity: This product contains 2,2,4-trimethyl-1,3-pentanediol diisobutyrate (CAS 6846-50-0) and Zinc Compound, chemicals suspected of causing reproductive harm.
Specific Target Organ Toxicity: May damage organs through prolonged or repeated exposure.

12. Ecological Information

Ecotoxicity: Toxic to aquatic life. Avoid release to the environment.
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. (diethyltoluene diamine), 9, III, MARINE POLLUTANT
IMDG: UN3082, Environmentally hazardous substance, liquid, n.o.s. (diethyltoluene diamine), 9, III, MARINE POLLUTANT
IATA/Air: UN3082, Environmentally hazardous substance, liquid, n.o.s. (diethyltoluene diamine), 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: Does not contain chemicals subject to 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: Contains chemicals subject to SARA Title III Section 313 Reporting requirements:

Zinc Compound 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: This product does not contain chemicals known to the State of California to cause cancer and/or reproductive harm. 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 2, 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.