

1. Identification

Product Identifier: **BC-709 Urethane Elastomer Part B**
BC-809 Urethane Elastomer Part B

Product Code(s): BC709C, BC809C

Use: 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

2. Hazards Identification

GHS Classification:

Acute Toxicity (Oral) – Category 4
Skin Irritation – Category 3
Serious Eye Damage – Category 1
Germ Cell Mutagenicity – Category 2
Carcinogenicity – Category 1B
Hazardous to the Aquatic Environment – Acute Hazard Category 1
Hazardous to the Aquatic Environment – Chronic Hazard Category 1

Label Elements: Danger



Hazard Statements:

H302 Harmful if swallowed.
H316 Causes mild skin irritation.
H318 Causes serious eye damage.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
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.
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, eye protection, and face protection.
P301+P317 IF SWALLOWED: Get medical help.
P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P318 IF exposed or concerned, get medical advice.
P330 Rinse mouth.
P332+P317 If skin irritation occurs: Get medical help.
P391 Collect spillage.
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 Part A before using.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Methylene-bis(chloroaniline)	101-14-4	20-30
Bismuth neodecanoate	34364-26-6	0-5
Butyrolactone	96-48-0	0-10
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 persists.

Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation develops or persists. Launder contaminated clothing before reuse. Throw away clothing that cannot be decontaminated.

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

Ingestion: Do not induce vomiting unless instructed to do so by a medical profession. Get medical attention if you feel unwell.

Most Important Symptoms/Effects: May cause genetic defects and/or cancer.

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: Not considered flammable or combustible.

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 fumes or vapors. 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. Avoid release to the environment.

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: For 4,4'-Methylene bis(2-chloroaniline) (CAS 101-14-4):

OSHA PEL 0.01 ppm TWA

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 a NIOSH-approved 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: No data available

Odor Threshold: No data available

pH: Not applicable

Melting Point: No data available

Boiling Point: No data available

Flash Point: No data available

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: None known.

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: Cause serious eye damage.

Skin Contact: Causes mild skin irritation.

Inhalation: Vapors or mists may cause mild respiratory irritation.

Ingestion: Harmful if swallowed.

Chronic Health Effects: None known.

Acute Toxicity Values: For Methylene-bis(chloroaniline) (CAS 101-14-4):

Oral LD₅₀ Rat: 2,000 mg/kg

Dermal LD₅₀ Rabbit: >2,000 mg/kg

For Bismuth neodecanoate (CAS 34364-26-6):

Oral LD₅₀ Rat: 3,030 mg/kg

Dermal LD₅₀ Rabbit: >2,000 mg/kg

For Butyrolactone (CAS 96-48-0):

Oral LD₅₀ Rat: 1,582 mg/kg

Dermal LD₅₀ Guinea Pig: >5 g/kg

Inhalation LC₅₀ Rat: >5.1 mg/L 4 hr

Germ Cell Mutagenicity: Product contains Methylene-bis(chloroaniline) (CAS 101-14-4), a chemical suspected of causing genetic defects.

Carcinogenicity: Product contains Methylene-bis(chloroaniline) (CAS 101-14-4), a chemical that may cause cancer.

Reproductive Toxicity: Components are not classified as reproductive toxins.

Specific Target Organ Toxicity: No data available.

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: No data available.

13. Disposal Considerations

Dispose according to local, regional and national regulations. Product is ignitable.

14. Transport Information

DOT: UN3082, Environmentally hazardous substance, liquid, n.o.s (methylene bis(2-chloroaniline)), 9, III, MARINE POLLUTANT

IMDG: UN3082, Environmentally hazardous substance, liquid, n.o.s (methylene bis(2-chloroaniline)), 9, III, MARINE POLLUTANT

IATA: UN3082, Environmentally hazardous substance, liquid, n.o.s (methylene bis(2-chloroaniline)), 9, 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

Section 313 Toxic Chemicals: Product contains chemicals subject to Section 313 reporting requirements:

Methylene bis(2-chloroaniline) (CAS 101-14-4) 20-30%

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: WARNING: This product contains Methylene bis(2-chloroaniline), a chemical known to the State of California to cause cancer. 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 23, 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.