

Development Corp.

**1. Chemical Product and Company Identification**

Polytek Development Corp., 55 Hilton St., Easton, PA 18042, 610/559-8620

Product Name: **POLY 75-79 PART B AND POLY 75-80 PART B**

Chemical Family: Trade secret blend of polyol and aromatic diamine

**2. Hazardous Constituents**

Ingredient/CAS #	Exposure Limits
4,4'-Methylene bis(2-chloroaniline) (MOCA/MBOCA), 101-14-4	ACGIH TLV 0.01 ppm TWA (skin) OSHA PEL 0.02 mg/m <sup>3</sup> (skin)*
Proprietary polyol (not hazardous)	None established
Proprietary plasticizer	None established

\*PEL for MOCA vacated by The 11th Circuit Court of Appeals, Atlanta, GA, 1992

**3. Health Hazards**

PRIMARY ROUTE(S) OF ENTRY: Skin or eye contact and absorption, ingestion

EYE: May cause eye irritation.

SKIN: Exposure may cause skin irritation and/or redness. May be absorbed through skin.

INGESTION: Toxic by ingestion (when fed to animals some cancer developed). May cause gastrointestinal discomfort if ingested.

INHALATION: At room temp., vapors are minimal; material is not expected to be an inhalation hazard. Vapors (e.g., generated during heating or spraying) may cause respiratory irritation.

CHRONIC EFFECTS: Based on animal feeding and injection studies, IARC, NTP and NIOSH have designated MOCA a suspect carcinogen. There is no data to evaluate the carcinogenicity of MOCA in humans (ref: 9<sup>th</sup> Report on Carcinogens; US DHHS, National Toxicology Program).**4. First Aid Measures**

EYE CONTACT: Flush with water for 15 minutes. Seek medical attention.

SKIN CONTACT: Wash with soap and warm water. Seek medical attention if irritation develops.

INHALATION: Remove to fresh air. Treat symptomatically. Seek medical attention.

INGESTION: If alert, drink water to dilute, and then induce vomiting. Seek medical attention.

**5. Fire Fighting Measures**

FLASH POINT: &gt;350°F (estimated)

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, alcohol foam, or water fog.

HAZARDOUS COMBUSTION PRODUCTS: Potentially oxides of carbon and nitrogen, organic acids, and other unidentified irritating or toxic compounds.

OTHER INFORMATION: Firefighters wear protective gear and SCBA. A direct stream of water or foam into hot product may cause frothing and increase fire intensity.

**6. Accidental Release Measures**

Clear non-emergency personnel from the area. Remove sources of ignition. Contain spill to minimize environmental contamination. Absorb spilled material with non-reactive absorbent such as sawdust, vermiculite, or sand. Collect and containerize spill material. Dispose of in accordance with federal, state and local regulations.

**7. Handling and Storage**

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

STORAGE: Store indoors in a cool dry area. Store in original container tightly closed.

**8. Exposure Controls/Personal Protection**

EXPOSURE CONTROLS: Provide general and/or local exhaust to minimize airborne concentrations. Avoid spreading contamination throughout work area. Check work area for contamination by testing with surface wipes. Check workers for exposure to MOCA with periodic urine monitoring. Call Polytek's safety department for more information on monitoring.

PERSONAL PROTECTIVE EQUIPMENT: Wear eye protection (e.g., safety glasses, chemical splash goggles), protective clothing, and gloves (e.g., nitrile or PVC-coated).

RESPIRATORY PROTECTION: In the absence of good ventilation, or if vapors or mists are generated (e.g., through heating or spraying), use respirator equipped with organic vapor cartridges. In emergency situations, use SCBA.

**9. Physical Characteristics**APPEARANCE: Yellow, translucent liquid  
(May be various colors upon special request)

BOILING POINT: No data

VAPOR PRESSURE: &lt; 1 mmHg @ 25°C

ODOR: Mild odor

SOLUBILITY IN WATER: Negligible

SPECIFIC GRAVITY: 1.07 @ 25°C

PH: Not applicable

**10. Stability and Reactivity**

CONDITIONS TO AVOID: Avoid excessive heat and exposure to sunlight.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizers, acids, and alkalis

HAZARDOUS DECOMPOSITION PRODUCTS: Potentially oxides of carbon and nitrogen, organic acids, and other unidentified irritating or toxic compounds.

**11. Regulatory and Other Information**

COMMUNITY RIGHT-TO-KNOW: This product contains the following Section 313 ingredient:

Ingredient	CAS #	Weight %
4,4'-Methylene bis(2-chloroaniline) (MOCA/MBOCA)	101-14-4	<25

DISPOSAL: Upon disposal, this product is not a listed or characteristic RCRA hazardous waste as defined in 40 CFR 261. Dispose of in accordance with state and local regulations.

TRANSPORT: Less than 55 gal, not DOT regulated. In 55-gal drum: RQ, Environmentally hazardous substance, liquid, n.o.s. (4,4' methylene bis (2-chloroaniline)), 9, UN 3082, PG III

CA PROPOSITION 65: "WARNING: This product contains a chemical known to the State of California to cause cancer." (MOCA)

HMIS RATINGS: Health=2, Flammability=1, Reactivity=0, PPE=C

EMERGENCY SHIPPING INFORMATION: Call CHEMTREC, 800/424-9300.

REVISION INDICATOR: Modified Section 11.

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.