

1. Chemical Product and Company Identification	7. Handling and Storage
Polytek Development Corp., 55 Hilton St., Easton, PA 18042, 610/559-8620Product Name: <b>74-SERIES Part A</b> Chemical Family:Polyurethane Prepolymer	HANDLING: Avoid breathing vapor. 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. See Section 8. STORAGE: Store indoors at room temperature; do not exceed 100°F. Store in original, unopened container. Protect from atmospheric moisture. Do not allow water to get into container.
2. Hazardous Constituents	8. Exposure Controls/Personal Protection
Ingredient/CAS #Exposure LimitsToluene diisocyanate (TDI), mixed isomers, CAS 26471-62-5 (<1% by wt)	ENGINEERING CONTROLS: Provide general and/or local exhaust to maintain airborne concentrations below exposure limits (see Section 2). Verify that exposure limits are not exceeded through exposure monitoring. PERSONAL PROTECTIVE EQUIPMENT: Wear eye protection (e.g., chemical splash goggles or safety glasses), protective clothing, and impermeable gloves (e.g., butyl, or nitrile rubber) RESPIRATORY PROTECTION: In the absence of good ventilation, use supplied-air respirator; if
PRIMARY ROUTE(S) OF ENTRY: Inhalation, skin or eye contact EYE: May cause eye irritation.	unavailable, use respirator equipped with organic vapor cartridges. In emergencies, use SCBA. For respirator selection and use, see OSHA's Respiratory Protection Std (29 CFR 1910.134).
SKIN: Prolonged or repeated exposure may cause skin irritation, staining, or sensitization.	9. Physical Characteristics
INGESTION: May cause gastrointestinal discomfort and nausea, lethargy, or diarrhea. INHALATION: At room temp., vapors are minimal. Vapors or aerosols (e.g., generated during heating or spraying) may cause respiratory irritation. For individuals sensitized to TDI, exposure may result in allergic respiratory reactions (e.g., coughing, difficulty breathing).	APPEARANCE: Clear yellow to amber liquidVAPOR PRESS.: <.1 mmHg @ 25°CODOR: Slightly sweet and acrid odorSPECIFIC GRAVITY: 1.0 @ 25°CSOLUBILITY IN WATER: Insoluble, reacts to form CO2BOILING POINT: Not determined
CHRONIC EFFECTS: Repeated overexposure to TDI may cause respiratory and dermal sensitization. TDI is listed as a carcinogen by IARC (2B) and NTP. TDI has been shown to cause	10. Stability and Reactivity
uncer in lab animals when administered orally. Carcinogenicity via inhalation (the most likely eans of industrial exposure) has not been proven.	CONDITIONS TO AVOID: Avoid temperatures >100°F. Avoid moisture. INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with water, acids, bases,
4. First Aid Measures	alcohols, strong oxidizers, and some metals. Reaction with water generates carbon dioxide, and results in heat and pressure buildup in closed systems. HAZARDOUS DECOMPOSITION PRODUCTS: Possibly isocyanate vapor, carbon monoxide, nitrogen oxides, and traces of hydrogen cyanide.
CONTACT: Flush with water for at least 15 minutes. Seek medical attention. CONTACT: Wipe off. Wash with soap and plenty of warm water. LATION: Remove to fresh air. Treat symptomatically. Seek medical attention.	
INGESTION: Immediately drink large quantities of water. Seek medical attention. Do not induce	11. Regulatory and Other Information
<ul><li>vomiting unless so directed by a medical professional.</li><li>5. Fire Fighting Measures</li></ul>	COMMUNITY RIGHT-TO-KNOW: This product contains the following Section 313 ingredient:         Ingredient       CAS #         Weight %
FLASH POINT: Approx. 380 °F EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foams, or water spray. HAZARDOUS COMBUSTION PRODUCTS: May include TDI vapor, nitrogen oxides, isocyanates, carbon monoxide, carbon dioxide, and unidentified toxic and irritating compounds. OTHER INFORMATION: Firefighters wear SCBA and full-body protective suit. Solid stream of water or foam into hot product may cause frothing if it gets below the surface and turns to steam. Use water to cool hot containers.	Toluene diisocyanate (mixed isomers)26471-62-5<1DISPOSAL: Upon disposal, this product is not a RCRA hazardous waste (per 40 CFR 261). Upon exposure to moisture, product forms an inert, non-hazardous solid. Follow state and local regulations.TRANSPORTATION: Not a hazardous material for shipping purposes based on United Nations Recommendations for the Transport of Dangerous Goods and 49 CFR Part 171.CA PROPOSITION 65: "WARNING: This product contains a chemical [TDI] known to the State of California to cause cancer."CANADIAN WHMIS CLASSIFICATION (CANADA): D2A
6. Accidental Release Measures	HMIS RATINGS: Health=1; Flammability=1; Reactivity=0; PPE=C EMERGENCY SHIPPING INFORMATION: Call CHEMTREC, 800-424-9300.
Clear non-emergency personnel from the area. Don protective equipment. Extinguish sources of ignition. Contain spill to minimize environmental contamination. Absorb spilled material with an inert absorbent. Collect and containerize material. Do not seal containers of spill residue since carbon dioxide is generated upon contact with moisture and dangerous pressure buildup can occur. Neutralize contaminated floor with a mixture of water (90%), ammonia (3-8%) and deter-gent (2%). Clean floor before material reacts with moisture to form a difficult to remove rubber.	<b>REVISION INDICATOR:</b> Made various minor changes. <b>DISCLAIMER:</b> 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.



## MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification	7. Handling and Storage
Polytek Development Corp., 55 Hilton St., Easton, PA 18042, 610/559-8620         Product Name: <b>74-SERIES PART B 74-20B</b> , 74-29B, 74-29B WHITE, 74-30B, 74-30 Clear B, <b>74-44B</b> , 74-45B, 74-55B	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. See also Section 8 of MSDS. STORAGE: Store indoors. Do not exceed 120°F. Store in original container tightly closed.
Chemical Family: Polyol	8. Exposure Controls/Personal Protection
2. Hazardous Constituents	ENGINEERING CONTROLS: Provide general and/or local exhaust to minimize airborne
Ingredient/CAS #       OSHA/ACGIH Exposure Limits         Proprietary polyols       None established         Proprietary ingredients       None established         J. Health Hazards       PRIMARY ROUTE(S) OF ENTRY: Skin or eye contact, ingestion EYE: May cause eye irritation.	<ul> <li>concentrations.</li> <li>PERSONAL PROTECTIVE EQUIPMENT: Wear eye protection (e.g., safety glasses or chemical splash goggles), protective apron, and impermeable gloves (e.g., nitrile or PVC-coated).</li> <li>RESPIRATORY PROTECTION: When hand-mixing with adequate local exhaust, respiratory protection is not normally needed. For other applications (e.g., heating or spraying), use a respirator equipped with organic vapor cartridges and HEPA filters or a supplied-air respirator. In emergencies, use SCBA. Respirators must be used in compliance with OSHA's respiratory protection standard (29 CFR 1910.134).</li> </ul>
<ul> <li>SKIN: Exposure may cause skin irritation and/or redness.</li> <li>INGESTION: Potentially toxic by ingestion. May cause gastrointestinal discomfort if ingested.</li> <li>INHALATION: At room temperature, vapors are minimal and material is not expected to be an inhalation hazard. Vapors or aerosols (e.g., generated during heating or spraying) may cause respiratory irritation.</li> <li>CARCINOGENICITY: Not designated as a carcinogen by NTP, IARC, or OSHA.</li> <li>CHRONIC EFFECTS: For one ingredient, a two-year rat feeding study caused effects in the pancreas, liver, thyroid and eyes; and, in rare instances, sensitization has been reported in humans.</li> </ul>	9. Physical Characteristics
	APPEARANCE: Liquid, colors varyVAPOR PRESSURE: < 1 mm Hg @ 25°CODOR: MildSOLUBILITY IN WATER: NegligibleBOILING POINT: No dataSPECIFIC GRAVITY: ~1.0 @ 25°CpH: Not applicable10 Gt Little
4. First Aid Measures	10. Stability and Reactivity
EYE CONTACT: Flush with water for 15 minutes. Seek medical attention. SKIN CONTACT: Wipe off. Wash with soap and plenty of warm water. Seek medical attention if irritation develops. INHALATION: Remove to fresh air. Treat symptoms. Seek medical attention if symptoms persist.	CONDITIONS TO AVOID: Avoid excessive heat and exposure to sunlight. INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizers, acids, organic sulfur compounds, and aluminum. HAZARDOUS DECOMPOSITION PRODUCTS: Potentially oxides of carbon and nitrogen, organic acids, and other unidentified irritating or toxic compounds <b>11. Regulatory and Other Information</b>
INGESTION: If alert, drink water to dilute, then induce vomiting. Seek medical attention.	COMMUNITY RIGHT-TO-KNOW: This product does not contain any compounds above the <i>de</i>
<ul> <li>5. Fire Fighting Measures</li> <li>FLASHPOINT: &gt;300°F (estimated)</li> <li>EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, alcohol foam, or water fog.</li> <li>HAZARDOUS COMBUSTION PRODUCTS: Likely to include carbon monoxide, carbon dioxide, nitrogen oxides, formaldehyde, and unidentified toxic and irritating compounds.</li> <li>OTHER INFORMATION: Firefighters wear protective gear and self-contained breathing apparatus (SCBA). A direct stream of water or foam into hot product may cause frothing and increase fire intensity.</li> </ul>	<ul> <li>minimis reporting levels subject to SARA Section 313 reporting requirements.</li> <li>DISPOSAL: Upon disposal, this product is not a RCRA hazardous waste as defined in 40 CFR 261. Dispose of in accordance with state and local regulations.</li> <li>TRANSPORT: Not a hazardous material for shipping purposes based on <i>United Nations Recommendations for the Transport of Dangerous Goods</i> and 49 CFR Part 171.</li> <li>HMIS RATINGS: Health=1; Flammability=1; Reactivity=0; PPE=C</li> <li>EMERGENCY SHIPPING INFORMATION: Call CHEMTREC, 800-424-9300.</li> </ul>
6. Accidental Release Measures	<b>REVISION INDICATOR:</b> Minor format changes. <b>DISCLAIMER:</b> 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.
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.	