MATHRIAL SABBEY UATA SHEET

Development Corp

Chemical Product and Company Identification

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

Product Name.

TA-SERIES PARK A

Chanical Family Polyurethane Prepolymen

Harardous Constituents

	Total Control of the
Ingredienticas#	Exposure Linits
Toluene dissoyunate (TDI), mixed isomers,	ACGIH TLV 0.005 ppm TWA
CAS 25471-62-5 (<198 by 95)	OSHA PEL 0.02 ppm (Ceiling)
To Prepolymen	NORG
Other ingredients are trade secret. OSHA or ACGIII has established no exposure limits for	ACCHI has established no exposure limits for
CONTROL OF THE SECRETARY SECTION OF THE SECTION OF	

PRIMARY ROUTE(S) OF ENTRY: Inhalation, skin or eye contact

EYE: May cause eye irritation

cancer in lab animals when administered orally. Carcinogenicity via inhalation (the most likely CHRONIC EFFECTS: Repeated overexposure to TDI may cause respiratory and demail sensitization. TDI is listed as a carcinogen by IARC (2B) and NTP. TDI has been shown to cause INGESTION: May cause gastrointestinal discomfort and nausea, lethergy, or diarrhea. SKIN; Prolonged or repeated exposure may cause skin initation, staining, or sensitization means of industrial exposure) has not been proven may result in allergic respiratory reactions (e.g., coughing, difficulty breathing) heating or spraying) may cause respiratory irritation. For individuals sensitized to TDI, exposure INHALATION: At room temp., rapors are minimal. Vapons or acrosols (e.g., generated during

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EYE CONTACT: Flush with water for at least 15 numbes. Seek medical attention

SKIN CONTACT: Wipe off. Wash with soap and pienty of warm water.

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

vomiting unless so directed by a medical professional DIGESTION: Immediately drink large quantities of water. Seek medical attention. Do not induce

STOTIC DISTRIBUTE TO THE STORY

FLASH FORT: Approx. 380 %

water or foam into hot product may cause frothing if it gets below the surface and turns to steam OTHER INFORMATION: Firelighters wear SCBA and full-body protective suit. Solid stream of Use water to oool hat containers isocyanates, carbon monoxide, carbon dioxide, and undentified toxic and irritating compounds HAZARDOUS COMBUSTION PRODUCTS: May include JDI vapor, nitrogen exides, EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, icams, or water spray

Clear non-emergency personnel from the area. Don protective equipment. Extinguish sources of 6 Aecidemal Release Measures

inert absorbent. Collect and containerize material. Do not seal containers of spill residue since agnition. Contain spill to minimize environmental contamination. Absorb spilled material with an

> occur. Neutralize contaminated floor with a mixture of water (90%), ammonia (3-8%) and detercarbon dioxide is generated upon contact with moisture and dangerous pressure buildup can gent (2%). Clean floor before material reacts with moisture to form a difficult to remove rubber

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Handling and Morage

STORAGE: Store indoors at room temperature; do not exceed 100°F. Store in original, unopened and clothing. Do not eat, drink or smoke in work area. Wash hands after handling. See Section 8. HANDLING: Avoid breathing vapor. Use in well reatilated area. Avoid contact with eyes, skin container. Protect from atmospheric moisture. Do not allow water to get into container.

Exposure Controls Personal Protection

safety glasses), protective clothing, and impermeable gloves (e.g., butyl, or mittle rubber) PERSONAL PROTECTIVE EQUIPMENT: Wear eye protection (e.g., chemical splash goggles or concentrations below exposure limits (see Section 1 for exposure limits). Verify that exposure For respirator selection and use, see OSHA's Respiratory Protection Std (29 CFR 1910.134). unavailable, use respirator equipped with organic vapor cartridges. In emergencies, use 8CBA. RESPIRATORY PROTECTION: In the absence of good ventilation, use supplied-air respirator, if ENGINEERING CONTROLS: Provide general and/or local exhaust to maintain airtorne limits are not exceeded through exposure monitoring.

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Thysical Characteristics.

ODOR: Slightly sweet and actid odor APPEARANCE: Clear yellow to amber liquid

SOLUBILITY IN WATER: Insoluble, reachs to form CO:

BOLING POINT: Not determined SPECIFIC GRAVITY: LD@25°C

VAPOR PRESS.: <.1 mmHg @ 25°C

10 Stability and Reactivity

CONDITIONS TO AVOID: Avoid temperatures >100°F. Avoid moisture.

aicohols, strong oxidizers, and some metals. Reaction with water generates curbon dioxide, INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with water, acids, bases, HAZARDOUS DECOMPOSITION PRODUCTS: Possibly isocymate vapor, carbon monoxide, results in heat and pressure buildup in closed systems. BDd

11 Regulatory and Other Information

mirogen oxides, and traces of hydrogen cyamide.

SARA SECTION 313: This product contains the following Section 313 ingredient

26471-62-5

product forms an inert, non-insunious solid. Fellow state and local regulations. RCRA: Upon disposal, this product is not a RCRA bazardous waste (per 40 CFR 261). Upon exposure to moisture, Coluene dusochumie (mined ismiete)

CA PROPOSITION 65: "WARNING: This product contains a chemical [TDI] known to the State of California to of Dangerous Goods and 49 CFR Part 171. DOT: Not a hazardous menterial for shipping purposes based on United Nations Recommendations for the Transport

WHMIS CLASSIFICATION (CANADA): DZA

EMERGENCY SHIPPING INFORMATION: CAN CHEMTREC, 800/424-9300

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. REVISION ENDICATOR: Added WHIMIS classification and made various minor changes

Date Prepared/Revised: Feb. 8, 2000; Supersedes: Jan. 1.2, 1999

MATERIAL SAFETY DATA の世界国门

Development Corp

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

Product Name PARCIES FAIL B

THANK, TAKEN, TAKEN 74-29B, 74-29 White B, 74-30B, 74-30 Clear B, 74-44B,

Chamical Family.

Bazarduus Cunstillieus. ingredient/CAS a SHA/ACGIH Exposure Limits

Proprietary ingredients None established

Mone established

Proprietary polyol

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

EYE: May cause eye imitation

SKIN: Exposure may cause skin initiation and/or redness

respiratory irritation. inhalation hazard. Vapors or acrosols (e.g., generated during heating or spraying) may cause INITIAL ATION, At room temperature, vapors are minimal and material is not expected to be an INGESTION: Potentially toxic by ingestion. May cause gastrointestinal discomfort if ingested

CAROINOGENICITY: Not designated as a carcinogen by WIP, IARC, or OSHA

pancreas, liver, thyroid and eyes; and, in rare instances, sensitization has been reported in CHRONIC EFFECTS: For one ingredient, a two-year rat feeding study caused effects in the

BYE 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 Ireshair. Trest symptoms. Seek medical attention if symptoms

NGESTON: If elect, drink water to diluxe, then induce remiting. Seek medical attention

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

nimogen oxides, formaldehyda, and unidentified toxic and irritating compounds HAZARDOUS COMBUSTION PRODUCTS: Likely to include carbon monoxide, carbon dioxide,

appearatus (SCBA). A direct stream of water or hears into hot product may cause irothing and OTHER INFORMATION: Firefighters wear protective gear and self-contained breathing increase fire intensity

minimize environmental contamination. Absorb spilled material with non-reactive absorbent such Olear non-emergency personnel from the area. Remove sources of ignition. Contain spill to

> as sawdust, vermiculite, or sand. Collect and containerize spill material. accordance with federal, state and local regulations. Dispose of in

HANDLING: Avoid contact with eyes, skin and clothing. Avoid breathing vapor.

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adequately ventilated area. Do not est, drink or smoke in work area. Wash hands after handling See also Section 8 of MSDS.

STORAGE: Store induces. Do not exceed 120°F. Store in original container tightly closed

ENGINEERING CONTROLS: Provide general antifor local exhaust to minimize autoome concentrations,

splash goggles), protestive clothing, and impermeable gloves (e.g., nitrile or PVC-coated) generated (e.g., through beating or spraying), use respirator equipped with organic vapor RESPIRATORY PROTECTION: In the absence of good ventilation, or if vapors or mists are cartridges. In emergency situations, use SCBA. PERSONAL PROTECTIVE EQUIPMENT. Wear eye protection (e.g., safety glasses or chemical

APPEARANCE: Clear to opaque tiquid Colors vary depending on product

BOLLING POINT: No data

SOLUBILITY IN WATER: Negligible VAPOR PRESSURE: < 1 mm Hg @ 25°C SPECIFIC GRAVITY: -1.0 @ 25°C

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and aluminum. INCOMPATIBILITY WITH OTHER MATERIALS. Oxidizers, acids, organic sulfur compounds CONDITIONS TO AVOID: Avoid excessive heat and exposure to sunlight

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

reporting levels subject to SARA Section 313 reporting requirements SARA SECTION 313: This product does not contain any compounds above the de misimus RCRA: Upon disposal, this product is not a RCRA hazardous waste as defined in 40 CFR 261

for the Transport of Dangerous Goods and 49 CFR Part 171 DOT: Not a hazardous material for shipping purposes based on United Nations Recommendations Dispose of in accordance with state and local regulations.

HMIS: Health=1; Flammability=1; Reactivity=0; PPE=C

EMERGENCY SHIPPING INFORMATION: Call CHEMIREC, 800/424-9300

REVISION INDICATOR: Added 74-29 Part B. Made various minor changes

use and accepts all risk and hability associated with that use, regarding the accuracy of the information. The user must determine the suitability of the product for the intended DISCLADARK. The information contained herein is considered accurate, however, Polytek makes no warranty