### MATERIAL SAFETY DATA SHEET

## Chemical Product Identification

Product Name: 74-SERIES Part A

Chemical Family: Polyurethane Prepolymer

### Hazardous Constituents

TDI Prepolymer None	Toluene diisocyanate (TDI), mixed isomers, ACGIH TLV 0.005 ppm TWA CAS 26471-62-5 (<1% by wt) OSHA PEL 0.02 ppm (Ceiling)	Ingredient/CAS # Exposure Limits
	5 ppm TWA ppm (Ceiling)	

Other ingredients are trade secret. OSHA or ACGIH has established no exposure limits for any other ingredients.

#### Health Hazards

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

EYE: May cause eye irritation.

may result in allergic respiratory reactions (e.g., coughing, difficulty breathing). INHALATION: At room temp., vapors are minimal. Vapors or aerosols (e.g., generated during INGESTION: May cause gastrointestinal discomfort and nausea, lethargy, or diarrhea SKIN: Prolonged or repeated exposure may cause skin irritation, staining, or sensitization heating or spraying) may cause respiratory irritation. For individuals sensitized to TDI, exposure

cancer in lab animals when administered orally. Carcinogenicity via inhalation (the most likely means of industrial exposure) has not been proven sensitization. TDI is listed as a carcinogen by IARC (2B) and NTP. TDI has been shown to cause CHRONIC EFFECTS: Repeated overexposure to TDI may cause respiratory and derma

#### First Aid Measures

SKIN CONTACT: Wipe off, Wash with soap and plenty of warm water EYE CONTACT: Flush with water for at least 15 minutes. Seek medical attention.

vomiting unless so directed by a medical professional. INGESTION: Immediately drink large quantities of water, Seek medical attention. Do not induce INHALATION: Remove to fresh air. Treat symptomatically. Seek medical attention.

### **Fire Fighting Measures**

FLASH POINT: Approx. 380°F

HAZARDOUS COMBUSTION PRODUCTS: May include TDI vapor, nitrogen oxides. EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foams, or water spray

water or foam into hot product may cause frothing if it gets below the surface and turns to steam. OTHER INFORMATION: Firefighters wear SCBA and full-body protective suit. Solid stream of Use water to cool hot containers isocyanates, carbon monoxide, carbon dioxide, and unidentified toxic and irritating compounds.

### Accidental Release Measures

Clean floor before material reacts with moisture to form a difficult to remove rubber. Neutralize contaminated floor with a mixture of water (90%), ammonia (3-8%) and deter-gent (2%) carbon dioxide is generated upon contact with moisture and dangerous pressure buildup can occur inert absorbent. Collect and containerize material. Do not seal containers of spill residue since ignition. Contain spill to minimize environmental contamination. Absorb spilled material with an Clear non-emergency personnel from the area. Don protective equipment. Extinguish sources of

### Handling and Storage

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

## Exposure Controls/Personal Protection

are not exceeded through exposure monitoring. concentrations below exposure limits (see Section 1 for exposure limits). Verify that exposure limits ENGINEERING CONTROLS: Provide general and/or local exhaust to maintain airborne

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 SCBA. For RESPIRATORY PROTECTION: In the absence of good ventilation, use supplied-air respirator; if safety glasses), protective clothing, and impermeable gloves (e.g., butyl, or nitrile nibber) PERSONAL PROTECTIVE EQUIPMENT: Wear eye protection (e.g., chemical splash goggles or

### 9. Physical Characteristics

ODOR: Slightly sweet and acrid odor APPEARANCE: Clear yellow to amber liquid SOLUBILITY IN WATER: Insoluble, reacts to form CO.

BOILING POINT: Not determined SPECIFIC GRAVITY: 1.0 @ 25°C VAPOR PRESS:: <.1 mmHg @ 25°

### 10. Stability and Reactivity

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

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

# 11. Regulatory and Other Information

nitrogen oxides, and traces of hydrogen cyanide

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

Toluene diisocyanate (mixed isomers)

26471-62-5

moisture, product forms an inert, non-hazardous solid. Follow state and local regulations DISPOSAL: Upon disposal, this product is not a RCRA hazardous waste (per 40 CFR 261). Upon exposure to

TRANSPORTATION: Not a hazardous material for shipping purposes based on United Nations Recommendations for the Transport of Dangerous Goods and 49 CFR Part 171.

Reactivity=0, PPE=C EMERGENCY SHIPPING INFORMATION. Call CHEMITREC, 800/424-9300 CANADIAN WHMIS CLASSIFICATION (CANADA): D2A HMIS RATINGS: Health=1, Flammability=1 CA PROPOSITION 65 "WARNING: This product contains a chemical [TDI] known to the State of California to

REVISION INDICATOR: Made various minor changes to Section 11.

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 Disclaimer: The information contained herein is considered accurate; however, the manufacturer makes no