

**MATERIAL SAFETY  
DATA SHEET  
UI-5080 PART A**

**PREFORMED LINE PRODUCTS  
URETHANE DIVISION  
1700 Woodhurst Lane  
Albemarle, North Carolina 28001  
704-983-6161**

Emergency Phone Number: Chemtrec 800-424-9300 (within the USA), 202-483-7616 (outside of the USA.) Call only in the event of a chemical emergency involving spill, leak, fire exposure, or accident involving chemicals.

MSDS DATE: 12/14/04

Prefomed Line Products recommends that each customer should study this Material Safety Data Sheet and become aware of the Product hazards. Further, to promote safe handling, each customer should notify its employees, agents and contractors of the information on this Material Safety Data Sheet and any Product hazards and safety information. Each customer should furnish a copy of this Material Safety Data Sheet to each of its customers for the Product and should request that such customers notify their employees and customers for the Product of the information on this Material Safety Data Sheet and any Product hazards and safety information.

**I. IDENTIFICATION**

PRODUCT NAME: UI-5080 Part A

CHEMICAL FAMILY: Aromatic Isocyanate

**II. HAZARDOUS INGREDIENTS**

COMPONENTS	CURRENT LIMITS
Polymeric Diphenylmethane (CAS #9016-87-9)	100% ACGIH TLV – Not Listed
Diisocyanate (polymeric MDI) CONTAINS: 4,4' Diphenylmethane- Diisocyanate (4,4' MDI) (CAS #101-68-8)	ACGIH TLV - 0.005 ppm 45%
MDI isomers/oligomers (CAS #9016-87-9)	ACGIH TLV – Not Listed
**This material is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200)	

**III. PHYSICAL DATA**

Appearance: Clear liquid	Color: Brown
Odor: Slightly Musty	Boiling Point: NE
Vapor Pressure: $4 \times 10^{-6}$	Vapor Density (air-1): 8.5
Specific Gravity: 1.24	Weight Per Gallon: 10.3
Solubility in Water: Reacts	% Volatile by Volume: Nil

**IV. FIRE AND EXPLOSION HAZARD DATA**

Flash Point: 425°F	Method Used: COC
Flammable Limits: LFL:NE UFL:NE	Extinguishing Method: Water, carbon dioxide, dry chemical, or appropriate foam
Special Fire Fighting Procedures/Fire and Explosion Hazards: Firefighters should wear full protective clothing with self-contained breathing apparatus. Containers may burst under intense heat. Due to reaction with water, a hazardous build-up of pressure could result if contaminated containers are re-sealed.	

**V. REACTIVITY DATA**

STABILITY: Stable.	CONDITIONS TO AVOID: High Temperatures, moisture
INCOMPATIBILITY: Water, alcohols, strong bases, metal compounds.	
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, oxides of nitrogen, traces of hydrogen cyanide.	
HAZARDOUS POLYMERIZATION: May occur. Avoid contact of isocyanate reactive materials with moisture.	

**VI. HEALTH HAZARD DATA**

EYE: Irritant. Causes tearing of eyes.  
SKIN CONTACT: Irritant. Reacts with skin tissue.

INGESTION: Can cause corrosive action in mouth, stomach tissue, digestive tract.

SYSTEMIC AND OTHER EFFECTS: Irritation of respiratory membranes, runny nose, sore throat, productive cough and reduced lung function. Effects are reversible.

CARCINOGEN HAZARD: No components of this product are currently listed as known carcinogens.

INHALATION: At levels above the occupational exposure limit could cause respiratory sensitization and risk of serious damage to respiratory system. Onset may be delayed several hours after exposure. A hyper-reactive response to even minimal concentrations of MDI may develop in sensitized persons. Sensitized persons should not be exposed to any mixture containing unreacted MDI

**VII. FIRST AID**

EYES: Flush eyes thoroughly with water for 15 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention IMMEDIATELY.

SKIN: Remove contaminated clothing. Immediately wash affected areas thoroughly with soap and water. Some organic materials such as corn oil or propylene glycol are effective in decontaminating MDI from the skin when applied immediately. If irritation, redness, or a burning sensation develops and persists, obtain medical advice. Contaminated clothing should be thoroughly cleaned before reuse.

INGESTION: DO NOT induce vomiting. Provided the patient is conscious, wash out mouth with water then give 1 or 2 glasses of water to drink. Refer person to medical personnel for immediate attention

INHALATION: Remove patient from exposure, keep warm and at rest. Obtain medical attention. Treatment is symptomatic for primary irritation or difficulty in breathing. If breathing is labored, oxygen should be administered by qualified personnel. Apply artificial respiration if breathing has ceased or shows signs of failing.

**VIII. HANDLING PRECAUTIONS**

EXPOSURE GUIDELINES: Keep exposure levels below the recommended TLV limits.
VENTILATION AND RESPIRATORY PROTECTION: Respiratory protection is not required, if room ventilation is good. Ventilation is recommended.
EYE PROTECTION: Wear splash goggles.
SKIN PROTECTION: Wear rubber or plastic gloves and clean clothing offering full skin coverage.
SPECIAL HANDLING PRECAUTIONS: Protect skin from contact with material. Protect eyes from splashing.
STORAGE TEMPERATURE: <110°F.
AVERAGE STORAGE LIFE: 1 year in unopened original container.
SPECIAL STORAGE PRECAUTIONS: Keep containers tightly closed when not being used to prevent moisture contamination.

**IX. SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Absorb with absorbent compound. And remove to open containers. Treat absorbed material with mild ammonia solution and flush spill area with same solution. Leave treated material open for 24-28 hours.
WASTE DISPOSAL METHOD: Incineration or landfill in accordance with Federal, State and Local environmental protection regulations.

**FOR INDUSTRIAL USE ONLY**

NOTE: The opinions expressed herein are those of qualified personnel within the Prefomed Line Products-Urethane Division Co. The information contained is believed to be current as of the date of this Material Safety Data Sheet. Since the use of this information and opinions and conditions of the use of the product are not within the control of Prefomed Line Products Co., it is the user's obligation to determine the conditions of safe use of the Product.