

**MATERIAL SAFETY
DATA SHEET
UI-5380 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

Preformed 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-5380 Part A	
CHEMICAL FAMILY: Diisocyanate	
II. HAZARDOUS INGREDIENTS	
COMPONENTS	CURRENT LIMITS
4,4' Diphenylmethane Diisocyanate (MDI),(CAS 101-68-8)	0.02 PPM, Ceiling OSHA Pel Not Listed
Modified MDI	
III. PHYSICAL DATA	
Appearance: Liquid	Color: Pale Yellow
Odor: Faint	Boiling Point: 646° F
Vapor Pressure: <0.0001	Vapor Density (air-1): No Data
Specific Gravity: 1.2	Weight Per Gallon: 9.9 lbs.
Solubility in Water: Reacts	% Volatile by Volume: No Data
IV. FIRE AND EXPLOSION HAZARD DATA	
Flash Point: 400°F, 204°C	Method Used: COC
Flammable Limits: LFL:NE UFL:NE	
Extinguishing Method: Dry chemical, foam, carbon dioxide, halogenated agents. If water is used, use very large quantities. The reaction between water and hot isocyanate may be vigorous.	
Special Fire Fighting Procedures/Fire and Explosion Hazards: Self contained breathing apparatus with full facepiece and protective clothing.	
V. REACTIVITY DATA	
STABILITY: Stable under normal conditions. CONDITIONS TO AVOID: N/A	
INCOMPATIBILITY: Will react with any materials containing active hydrogens, such as water, alcohol, ammonia, amines, all* and acids. The reaction with water is very slow under 50°C, but is accelerated at higher temperatures and in the presence of alkalies, tertiary amines, and metal compounds. Some reactions can be violent.	
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion products: Carbon dioxide, carbon monoxide, nitrogen oxides, ammonia and trace amounts of hydrogen cyanide.	

V. REACTIVITY DATA (continued)	
HAZARDOUS POLYMERIZATION: May occur. High temperature in the presence of alkalies, tertiary amines and metal compounds will accelerate polymerization. Possible evolution of carbon dioxide gas may rupture closed containers.	
VI. HEALTH HAZARD DATA	
EYE: Irritant	
SKIN CONTACT: No irritation is likely to develop following short contact periods with human skin. Skin sensitization and irritation may develop after repeated and/or prolonged contact with human skin. Prolonged or repeated skin contact with MDI can induce delayed skin reactions several hours after overexposure.	
INGESTION: The acute oral LD50 in rat is probably above 10,000 mg/kg. Relative to other materials a single dose of this product is practically nontoxic by ingestion. Irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion.	
INHALATION: Vapors and aerosols can irritate eyes, nose and respiratory passages. Severe overexposure may lead to pulmonary edema. MDI can induce respiratory sensitization with asthma-like symptoms similar to those induced by TDI (toluene diisocyanate). Symptoms include chronic cough, tightness of chest with difficulty in breathing. These symptoms may be immediate or delayed up to several hours after exposure. There are reports that chronic exposures may result in permanent decreases in lung function.	
SYSTEMIC AND OTHER EFFECTS: No other adverse clinical effects have been associated with exposure to this material.	
CARCINOGEN HAZARD: No toxicity information is available on this specific preparation: this health hazard assessment is based on information that is available on the properties of its components. Section 313 Supplier Notification. This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372: 75% MDI (CAS 101-68-8).	
VII. FIRST AID	
EYES: Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.	
SKIN: Wash material off of the skin with plenty of soap and water. If redness, itching, or a burning sensation develops, get medical attention.	
INGESTION: Give one or two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person).	
INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is labored, give oxygen. Consult medical personnel.	
VIII. HANDLING PRECAUTIONS	
EXPOSURE GUIDELINES: N/E	
VENTILATION AND RESPIRATORY PROTECTION: Local Exhaust	
EYE PROTECTION: Safety glasses	
SKIN PROTECTION: Plastic gloves	
SPECIAL HANDLING PRECAUTIONS: None	
STORAGE TEMPERATURE: 50° F - 110° F	
AVERAGE STORAGE LIFE: 1 year	
SPECIAL STORAGE PRECAUTIONS: N/A	

FOR INDUSTRIAL USE ONLY

NOTE: The opinions expressed herein are those of qualified personnel within the Preformed 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 Preformed Line Products Co., it is the user's obligation to determine the conditions of safe use of the Product.