

**MATERIAL SAFETY
DATA SHEET
UI-5854 PART B
HARD ENCAPSULANT**

**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: 09/08/11

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-5854 Part B – Blocking Compound
CHEMICAL FAMILY: Aromatic Amine

II. HAZARDOUS INGREDIENTS		
COMPONENTS	CURRENT LIMITS	
Diethyltoluenediamine (CAS #68479-98-1)	NE	32%
N,N'-dialkyldiphenylmethane	NE	24%
Higher molecular weight Polymers	NE	15%
Low Volatile Solvents	NE	29%
This mixture does not contain any other materials which are currently considered to be hazardous in concentrations above 0.1%		

III. PHYSICAL DATA	
Appearance: Dark fluid	Color: Dark amber to brown
Odor: Faint ammonia	Boiling Point: above 400°F
Vapor Pressure: <4.04(mmHg)	Vapor Density(air=1): >3
Specific Gravity: 1.02	Weight Per Gallon: 8.5 lbs.
Solubility in Water: Slight soluble	% Volatile by Volume: 25

IV. FIRE AND EXPLOSION HAZARD DATA	
Flash Point: 240°F	Method Used: COC
Flammable Limits: LFL:NE UFL:NE	
Extinguishing Method: Carbon dioxide, dry chemical, foam or sand	
Special Fire Fighting Procedures/Fire and Explosion Hazards: Firefighters should wear full protective clothing in addition to self-contained breathing apparatus. Decomposition products of this mixture are expected to be hazardous and irritating.	

V. REACTIVITY DATA
STABILITY: Stable
CONDITIONS TO AVOID: Extremely high temperatures which will cause decomposition.
INCOMPATIBILITY: Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, oxides of nitrogen, aniline.
HAZARDOUS POLYMERIZATION: Will not occur

VI. HEALTH HAZARD DATA
EYE: May cause irritation, reddening, tearing
SKIN CONTACT: Diethyltoluenediamine is expected to be toxic by skin absorption. In rare instances, sensitization to DETDA has been reported to occur in humans. Also, moderate skin irritation may result from contact.
INGESTION: Expected to be toxic.
INHALATION: May be irritating to respiratory membranes.
CARCINOGEN HAZARD: No component of this mixture is currently considered to have carcinogenic activity.

VII. FIRST AID
EYES: Irrigate eyes immediately with cool water. Obtain medical attention.
SKIN: Remove from skin immediately. Wash affected skin thoroughly with mild soap and water, rinsing with warm water. Remove all contaminated clothing and laundry before reusing. Obtain medical attention.
INGESTION: If conscious, induce vomiting immediately. Seek immediate medical attention.
INHALATION: Remove affected person to fresh air immediately. If respiratory problems develop, obtain prompt medical attention.

VIII. HANDLING PRECAUTIONS
EXPOSURE GUIDELINES: NE.
VENTILATION AND RESPIRATORY PROTECTION: Local Exhaust should be used to maintain concentrations below TLV: or if inadequate, supplemental local exhaust may be required. The use of air supplied or other respirators approved for use in isocyanate containing environments may be required if airborne concentrations below the recommended TLV cannot be assured. Availability of eye wash stations convenient to work area is recommended.
EYE PROTECTION: Wear chemical splash goggles. Availability of eye wash stations convenient to work area is recommended.
SKIN PROTECTION: Wear chemical resistant gloves (butyl rubber) and clean, appropriate clothing offering as much coverage of the exposed skin area as possible.
SPECIAL HANDLING PRECAUTIONS: Store in tightly closed containers and protect from exposure to moisture, foreign materials and heat. Do not reseal opened containers if contamination is suspected.
STORAGE TEMPERATURE: (MAX.) 120° F (49° C)
AVERAGE STORAGE LIFE: 18 months @ 77°F
SPECIAL STORAGE PRECAUTIONS: If moisture enters container, pressure can build up due to reaction which produces carbon dioxide, causing sealed container to pressurize and burst. At maximum storage temperature noted, material may slowly polymerize without hazard.

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.

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