

**MATERIAL SAFETY  
DATA SHEET  
RD ENCAPSULANT  
PART B-  
MERCURY FREE**

**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: 06/01/11

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.

<b>I. IDENTIFICATION</b>
PRODUCT NAME: RD ENCAPSULANT Part B-MERCURY FREE
CHEMICAL FAMILY: Aromatic Isocyanate

<b>II. HAZARDOUS INGREDIENTS</b>	
COMPONENTS	CURRENT LIMITS
Polymeric Polyaromatic isocyanates (20-25% (CAS #101-68-8)	.01ppm (0.2mg/M <sup>3</sup> )
Higher molecular weight polymers 20/25%	NE
Redefined fatty oils	Non-hazardous
Phthalate esters of long chain	NE
Alcohols (CAS #3648-20-2)	

<b>III. PHYSICAL DATA</b>	
Appearance: Clear liquid	Color: Brown
Odor: Negligible odor	Boiling Point: 460°-490°F
Vapor Pressure: 0.02	Vapor Density (air-1): 10.5 Hg @ 77°F
Specific Gravity: 0.96	Weight Per Gallon: 8.0
Solubility in Water: Insoluble	% Volatile by Volume: Nil

<b>IV. FIRE AND EXPLOSION HAZARD DATA</b>	
Flash Point: No Flash	Method Used: COC
Flammable Limits: LFL:NE UFL:NE	Extinguishing Method: Dry chemical, carbon dioxide, foam
Special Fire Fighting Procedures/Fire and Explosion Hazards: Firefighters should wear full protective clothing with self-contained breathing apparatus. Avoid water contamination is closed container. Material reacts with water with the evaluation of carbon dioxide. Closed containers may rupture.	

<b>V. REACTIVITY DATA</b>	
STABILITY: Stable.	CONDITIONS TO AVOID: High temperatures.
INCOMPATIBILITY: Water, alcohols, strong bases, metal compounds.	

<b>V. REACTIVITY DATA (continued)</b>	
HAZARDOUS DECOMPOSITION: Carbon monoxide, carbon dioxide, hydrocarbons.	
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.	

<b>VI. HEALTH HAZARD DATA</b>	
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.	

<b>VII. FIRST AID</b>	
EYES: Flush eyes thoroughly with water.	
SKIN: Wash skin thoroughly with soap and water.	
INGESTION: If ingested, induce vomiting and obtain immediate medical attention.	
INHALATION: Not a likely route of entry.	

<b>VIII. HANDLING PRECAUTIONS</b>	
EXPOSURE GUIDELINES: Keep exposure levels below the recommended TLV limits.	
VENTILATION AND RESPIRATORY PROTECTION: Respiratory protection is not required. Good room ventilation is generally adequate.	
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: <120°F.	
AVERAGE STORAGE LIFE: 18 months in unopened original container.	
SPECIAL STORAGE PRECAUTIONS: Keep containers tightly closed when not being used to prevent moisture contamination.	

<b>IX. SPILL OR LEAK PROCEDURES</b>	
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.	

<b>FOR INDUSTRIAL USE ONLY</b>	
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.	