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## MATERIAL SAFETY DATA SHEET (MSDS)

FORMROK 335 B 1436

# FORMROK 335 B

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Issue Date

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### IDENTIFICATION

Chemical Name	<i>Aliphatic Polyisocyanate</i>
Dangerous Goods Class	<i>3b</i>
Poison Schedule	
UN No.	<i>1263</i>
Sub Risk	
Cas No.	
Hazchem Code	<i>3 (Y) E</i>
Packaging Group	<i>II</i>

### DESCRIPTION / PHYSICAL DATA

Appearance	<i>Yellowish Liquid</i>
Odour	<i>Solvent</i>
Corrosion	
Solidification Temperature	<i>-48°C</i>
Boiling Point	
Flash Point	<i>38°C</i>
Ignition Temperature	<i>460°C</i>
Explosion Limit	<i>Lower: 1% by Vol Upper: 10.8% by Vol</i>
Vapour pressure (20°C)	<i>7-9 mbar @20°C</i>
Density (20°C)	<i>1.020 kg/litre</i>
Soluble in water (20°C)	<i>NO</i>
pH Value	
Thermal Decomposition	
Hazardous Decomposition	
Hazardous Reactions	

### HEALTH HAZARD / FIRST AID

General	
Eye	
Ingestion	
Skin	

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**FORMROK 335 B****Formrok 335 B 1436****Issue Date May 1997****Page 2 of 2****SAFETY HANDLING - "WHAT TO DO"**

<b>Storage</b>	<p>Keep containers closed at all times in a cool place.</p> <p>Store away from sources of heat or ignition.</p> <p>Store away from oxidizing agents, strong bases and metallic aluminium powder. Not to be loaded with:</p> <p>Class 1 Foodstuff and foodstuff empties</p> <p>Class 3 Nitro methane</p> <p>Class 5.1 substances capable of ignited and burning</p> <p>Class 6 cyanide</p> <p>Class 8 all acids</p>
<b>Safe Handling</b>	<p>Open containers with care - volatile solvent. Product is not flammable under normal condition. Forms flammable vapour above 100°C. Decomposes in flame or on hot surface to form toxic phosgene gas and corrosive mist of hydrochloric acid.</p>
<b>Personal protection</b>	<p>The following personal protective equipment must be worn:</p> <p>Overalls or similar protective apparel.</p> <p>Safety glasses, goggles or face shield as appropriate.</p> <p>Rubber boots, PVC gloves, Splash apron.</p> <p>Wash contaminated clothing &amp; protective equipment before storing/re-using.</p> <p>Avoid all contact. Avoid inhaling the vapour, mist or dust.</p>
<b>Engineering control</b>	<p>Maintain concentration below recommended exposure limit. Use with local exhaust ventilation or combination particulate/gas respirator. Class A (organic vapour). Must be sufficient to prevent breathing of vapour. Self contained breathing apparatus may be needed for prolonged periods of exposure.</p>
<b>Spillage &amp; Disposal</b>	<p>Shut off all possible sources of ignition. Clear area of all unprotected personnel. Contain using sand and earth - prevent run-off into drains and waterways. For large spills notify Emergency Services.</p> <p><b>Small:</b> earth, soil, sand &amp; sawdust, inert material. Collect, seal and label container for disposal. Wash area with excess water. Wear protective coating.</p>
<b>Fire/Explosion Hazard</b>	<p>Fire fighters to wear self-contained breathing apparatus for risk of exposure to products of decomposition. Decomposes on heating, emitting toxic fumes: Phosgene, hydrogen chloride. Flashback along vapour trail may occur. Extinguish with water fog.</p>
<b>Ecological</b>	<p>Avoid contaminating waterways.</p>