

# U-POL

## PRODUCTS

### PRODUCT SAFETY DATA SHEET

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**COMMERCIAL PRODUCT NAME:** UPOL STRONGHOLD SYSTEM

**PREPARATION:** ADHESIVE HARDENER CONTAINING ISOCYANATE (PART 'B' OR PART '1')

**ADDRESS:** Denington Industrial Estate,  
Denington Road,  
Wellingborough,  
Northants NN8 2QP  
United Kingdom

**EMERGENCY TELEPHONE NO:-** **44-(0)1933-230310**

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#### **COMPOSITION/INFORMATION ON INGREDIENTS \***

<b><u>COMPONENT</u></b>	<b><u>CAS NO.</u></b>	<b><u>LEVEL</u></b>	<b><u>SYMBOL</u></b>	<b><u>RISK</u></b>
DIPHENYL METHANE - 4,4' - DIISOCYANATE (MIXTURE OF ISOMERS) - (MDI)	101-68-8	50 - 75%	Xn - Harmful.	R20 R36/37/38 R42/43

#### **HAZARDS IDENTIFICATION**

**INHALATION:** May cause sensitisation, and irritation of respiratory tract.

**SKIN:** May cause irritation on prolonged contact, redness.

**EYES:** Irritation and soreness.

**INGESTION:** Sore throat, stomachache, nausea.

#### **FIRST AID MEASURES**

**INHALATION:** Move affected person to the fresh air without delay. If discomfort persists seek medical attention. Symptoms may be delayed.

**SKIN CONTACT:** Wash affected area with warm soapy water. Do not use solvents.

**EYE CONTACT:** Irrigate with copious quantities of water and seek medical attention immediately.

**INGESTION:** Do not induce vomiting, drink plenty of water and seek medical attention.

## **FIRE FIGHTING MEASURES**

Fight fires with CO<sub>2</sub>, dry powder, or chemical foam. Do not use water jets. Burning material emits toxic fumes and smoke, so avoid inhalation of burning products.

## **ACCIDENTAL RELEASE MEASURES**

The product will readily flow. Large spillages are unlikely, but any spillage should be wiped or scraped away. Keep product away from drains. Avoid sources of ignition. Dispose of in accordance with the requirements of the Environmental Protection Act.

## **HANDLING AND STORAGE**

### **HANDLING:**

Keep away from heat. Keep away from sources of ignition. Avoid contact with skin and eyes. Use only in well ventilated areas.

### **STORAGE:**

Store below 25°C in a dry well ventilated space in original closed containers.

## **EXPOSURE CONTROLS/PERSONAL PROTECTION**

A good standard of personal and industrial hygiene should be maintained at all times. Persons who suffer from skin complaints or other allergic effects, e.g., respiratory complaints, should not work with the product.

<b>OEL (UK)</b>	<b>Component</b>	<b>8 HR TWA</b>	<b>15 mins STEL</b>
	MDI	0.02 mg/m <sup>3</sup>	0.07 mg/m <sup>3</sup>

### **EYE PROTECTION:**

Recommended.

### **PROTECTIVE CLOTHING:**

Recommended.

### **RESPIRATORY PROTECTION:**

Dust particle mask approved to FFP1SD-EN149 (when sanding cured product).

### **SKIN PROTECTION:**

Barrier cream recommended.

## **PHYSICAL AND CHEMICAL PROPERTIES**

### **APPEARANCE:**

Yellowish brown viscous liquid.

### **ODOUR:**

Earthy/musty.

### **DENSITY:**

Approx. 1.2.

### **FLASH POINT:**

Above 150°C.

### **AUTOFLAMMABILITY TEMPERATURE :**

Above 200°C.

### **SOLUBILITY:**

Reacts with water to give CO<sub>2</sub> gas.

### **STABILITY AND REACTIVITY**

Can polymerise (solidify) if subjected to elevated temperatures. Exothermic reactions occur with amines and alcohols. Water reacts to give off CO<sub>2</sub> gas. Thermal decomposition can give rise to acrid fumes. Polymerisation in a closed container can give rise to pressure which may rupture the container.

### **TOXICOLOGICAL INFORMATION**

For MDI, the following values have been reported:-

An oral LD50 in rats of over 15g/Kg.

LC50 in rats of approx. 370 mg/m<sup>3</sup> over 4 hours.

### **ECOLOGICAL INFORMATION**

Will react with water to form polyurea, an insoluble solid product.

### **DISPOSAL CONSIDERATIONS**

The uncured material and any contaminated container should be disposed of in accordance with the Environmental Protection Act.

### **TRANSPORT INFORMATION**

#### **KIT**

**SHIPPING NAME:** Not classified.

**UNITED NATION NO:** N/A.

**CLASS NO:** N/A.

**HARMONISED SYSTEMS NO:** 3506 99 00

**PACKING GROUP:** N/A.

Complies with The Carriage of Dangerous Goods by Road and Rail (Classification, Packaging and Labelling) Regulations.

For current International Maritime Dangerous Goods Declaration, please contact our Export Department  
Telephone No: 44-(0)20 8492 5950.

## REGULATORY INFORMATION

### PART 'B' OR PART '1'

<b>CONTAINS:</b>	Isocyanate.
<b>SYMBOL:</b>	Xn Harmful.
<b>RISK PHRASES:</b>	R20 Harmful by inhalation. R36/37/38 Irritating to eyes, respiratory system and skin. R42/43 May cause sensitisation by inhalation and skin contact.
<b>SAFETY PHRASES:</b>	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S45 In case of accident, or if you feel unwell, seek medical advice immediately (show label where possible). S51 Use only in well ventilated areas.
	Contains Isocyanates. See information supplied by the manufacturer.

### KIT

<b>CONTAINS:</b>	Aliphatic amine and Isocyanate
<b>SYMBOL:</b>	Xn Harmful. C Corrosive.
<b>RISK PHRASES:</b>	R20 Harmful by inhalation. R34 Causes burns. R36/37/38 Irritating to eyes, respiratory system and skin. R42/43 May cause sensitisation by inhalation and skin contact.
<b>SAFETY PHRASES:</b>	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of soap and water. S45 In case of accident, or if you feel unwell, seek medical advice immediately (show label where possible). S51 Use only in well ventilated areas.
	Contains Isocyanates. See information supplied by the manufacturer.

## FURTHER INFORMATION

Used with **Part 'A' or Part '1'** to polymerise product.

Reference should be made to the following official publications:-

EH40, EH42, EH44, C.O.S.H.H. Regulations, Environmental Protection Act.

