

# Material Safety Data Sheet (MSDS)

Date Prepared: 2/11/2002

Revision Date: 9/19/2006

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Poly-Set Component A

## Manufacturer:

Forward Enterprises, Inc.

9430 Telephone Road

Houston, Texas 77075

Customer Service: (800) 367-9273

## 24 Hour Emergency Telephone

## Numbers:

CHEMTREC (800) 424-9300

## SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	wt. %	CAS Registry #
Polymethylene Polyphenyl Isocyanate		9016-87-9
Pyrolysis Fuel Oil		69013-21-4

## OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	EXPOSURE LIMITS		
	OSHA PEL	ACGIH TLV	Supplier
Polymethylene Polyphenyl Isocyanate	0.02 ppm	0.005 ppm	
Pyrolysis Fuel Oil	5 mg/m3	0.2 mg/m3	

## COMMENTS:

Ingredient percentages withheld as trade secret pursuant to 29 CFR 1910.1200 (I)

## SECTION 3 - HAZARDOUS IDENTIFICATION

### EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: May cause skin irritation. Allergic reactions are possible.

### POTENTIAL HEALTH EFFECTS

Eyes: Moderately irritating to eyes and respiratory tracts.

Skin: May cause skin irritation.

Inhalation: May cause allergic respiratory reaction.

## SECTION 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

Skin: Wash affected area with soap and water. Get medical attention if irritation develops or persists.

Inhalation: Move victim to fresh air and treat symptomatically.

Ingestion: Get medical attention IMMEDIATELY.

**SECTION 5 - FIRE FIGHTING MEASURES****Flashpoint and Method:** 269°F Penskey-Marten CC**Flammable Class:** Combustible liquid. Can form explosive mixtures at temperatures at or above the flash point.**Extinguishing Media:** Use alcohol foam, carbon dioxide, or watery spray when fighting fires involving this material.**Other Considerations:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA / NIOSH approved or equivalent) and full protective gear.**Fire Fighting Procedures:** Evacuate the area and fight fire from a safe distance.**SECTION 6 - ACCIDENTAL RELEASE MEASURES****Small Spill:** Soak up with inert absorbent, shovel into waste container, treat with reacting solution.**Special Protective Equipment:** See Section 8**SECTION 7 - HANDLING AND STORAGE****Handling:** When using do not eat or drink.**Storage:** Store in a tightly closed container.**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION****Engineering Controls:** Good general ventilation should be sufficient to control airborne levels.**PERSONAL PROTECTION****Eyes and Face:** Wear eye / face protection.**Skin:** Wear suitable gloves.**Protective Clothing:** Wear suitable protective clothing.**Work Hygienic Practices:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES****Physical State:** Liquid**pH:** 7.8**Boiling Point:** 400°F**Percent Volatile:** 6**Solubility in Water:** Insoluble**Vapor Pressure:** <0.1 mmHg**Evaporation Rate:** <1 (n-Butyle Acetate = 1)**Vapor Density:** >1 (air = 1)**Specific Gravity:** 1.19 (water = 1)**SECTION 10 - STABILITY AND REACTIVITY****Stable:** Yes**Hazardous Polymerization:** No**Stability:** Stable**Polymerization:** Stable. However, may decompose if heated.**Conditions To Avoid:** Avoid high temperatures.**Incompatible Materials:** Oxidizing materials.

**SECTION 11 - TOXICOLOGY**

**Sensitization:** May cause sensitization by inhalation.

**Carcinogenicity:** NTP: Possible cancer hazard - (contains material which) may cause cancer based on animal data.

**SECTION 12 - ECOLOGICAL INFORMATION****SECTION 13 - DISPOSAL CONSIDERATIONS**

**Disposal Method:** Disposal must be in accordance with local, state, and federal regulations.

**SECTION 14 - TRANSPORT INFORMATION****SECTION 15 - REGULATORY INFORMATION**

**United States:** SARA TITLE III (Superfund Amendments and Reauthorization Act) 313 Reportable Ingredients:  
CAS No. 101-68-8, maximum 40%

**SECTION 16 - OTHER INFORMATION**

**Approval Date:** 9/19/2006    **Revision #** 8

**This MSDS replaces the October 13, 2003 MSDS. Any changes in information are as follows:**

**In Section 2, the Composition was changed:**

Aromatic Hydrocaron (CAS Registry # 64742-94-5) was removed

**In Section 5, the flashpoint was changed:**

Flashpoint and Method: 210°F to 269°F Penskey-Marten CC, ASTM D 93

**In Section 9, Percent Volatile, Boiling Point and Specific Gravity were changed**

Material Safety Data Sheet (MSDS)		
Date Prepared: 2/13/2002		Revision Date: 9/19/2006
<b>SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION</b>		
<b>Product Identifier:</b> Poly-Set Component B		
<b>Manufacturer:</b> Forward Enterprises, Inc. 9430 Telephone Road Houston, Texas 77075 Customer Service: (800) 367-9273		<b>24 Hour Emergency Telephone Numbers:</b> <b>CHEMTREC (800) 424-9300</b>
<b>SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS</b>		
<b>Chemical Name:</b>	<b>wt. %</b>	<b>CAS Registry #</b>
Aromatic Amino Polyol		68909-26-2
Silicone Surfactant		
<b>COMMENTS:</b> Ingredient percentages withheld as trade secret pursuant to 29 CFR 1910.1200 (I)		
<b>SECTION 3 - HAZARDOUS IDENTIFICATION</b>		
<b>EMERGENCY OVERVIEW</b>		
IMMEDIATE CONCERNS: May cause eye irritation.		
<b>POTENTIAL HEALTH EFFECTS</b>		
<b>Eyes:</b>	Mildly irritating to the eyes.	
<b>Skin:</b>	May cause skin irritation.	
<b>Ingestion:</b>	May cause vomiting.	
<b>Inhalation:</b>	Vapor irritating.	
<b>SECTION 4 - FIRST AID MEASURES</b>		
<b>Eyes:</b>	Flush eyes with water for 15 minutes. Get medical attention.	
<b>Skin:</b>	Wash with soap and water. Get medical attention if irritation develops or persists.	
<b>Inhalation:</b>	Move victim to fresh air and treat symptomatically.	
<b>Ingestion:</b>	Contact local poison control center or physician.	

**SECTION 5 - FIRE FIGHTING MEASURES****Flashpoint and Method:** 370°F Penskey-Marten CC**Flammable Class:** Combustible liquid. Can form explosive mixtures at temperatures at or above the flash point.**Extinguishing Media:** Use alcohol foam, carbon dioxide, or watery spray when fighting fires involving this material.**Other Considerations:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA / NIOSH approved or equivalent) and full protective gear.**Fire Fighting Procedures:** Evacuate the area and fight fire from a safe distance.**SECTION 6 - ACCIDENTAL RELEASE MEASURES****Small Spill:** Absorb liquid and scrub the area with detergent and water.**Special Protective Equipment:** See Section 8**SECTION 7 - HANDLING AND STORAGE****Handling:** When using do not eat or drink.**Storage:** Store in a tightly closed container.**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION****Engineering Controls:** Good general ventilation should be sufficient to control airborne levels.**PERSONAL PROTECTION****Eyes and Face:** Wear eye / face protection.**Skin:** Wear suitable gloves.**Protective Clothing:** Wear suitable protective clothing.**Work Hygienic Practices:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES****Physical State:** Liquid**pH:** 9.8**Percent Volatile:** <1**Boiling Point:** 275°F to 410°F**Vapor Pressure:** <1 mmHg**Evaporation Rate:** <1 (n-Butyl Acetate = 1)**Vapor Density:** >1 (air = 1)**Specific Gravity:** 1.10 (water = 1)**SECTION 10 - STABILITY AND REACTIVITY****Stable:** Yes**Hazardous Polymerization:** No**Conditions To Avoid:** Avoid high temperatures.**Incompatible Materials:** Oxidizing materials.

**SECTION 11 - TOXICOLOGY****SECTION 12 - ECOLOGICAL INFORMATION****SECTION 13 - DISPOSAL CONSIDERATIONS**

**Disposal Method:** Disposal must be in accordance with local, state, and federal regulations.

**SECTION 14 - TRANSPORT INFORMATION****SECTION 15 - REGULATORY INFORMATION****United States:**

SARA TITLE III (Superfund Amendments and Reauthorization Act) 313 Reportable Ingredients:  
CAS No. 91-20-3 @ maximum 2%

**SECTION 16 - OTHER INFORMATION**

**Approval Date:** 9/19/2006    **Revision #** 7

**This MSDS replaces the October 13, 2003 MSDS. Any changes in information are as follows:**

**In Section 2, the Composition was changed:**

Aromatic Hydrocarbon (CAS Registry # 64742-94-5) was removed

Tertiary Amine was removed

Organic Salt Solution was removed

**In Section 5, the flashpoint was changed:**

Flashpoint and Method: 205°F to 370°F Penskey-Marten CC, ASTM D 93

**In Section 9, Percent Volatile and Specific Gravity were changed.**