

## Material Safety Data Sheet (MSDS)

Date Prepared: 2/11/2002

Revision Date: 12/29/2008

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Poly-Set HD Component A

**Manufacturer:**

Forward Enterprises, Inc.  
8720 Tavenor Lane  
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
Petroleum Tar		69013-21-4
Siloxane Polyalkyleneoxide Copolymer		

### 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	0.2 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**

<b>Physical State:</b> Liquid	<b>pH:</b> 7.8	<b>Boiling Point:</b> 400°F
<b>Percent Volatile:</b> 6		<b>Solubility in Water:</b> Insoluble
<b>Vapor Pressure:</b> <0.1 mmHg		<b>Evaporation Rate:</b> <1 (n-Butyle Acetate = 1)
<b>Vapor Density:</b> >1 (air = 1)		<b>Specific Gravity:</b> 1.15 (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:** 12/29/2008    **Revision #** 9

This MSDS replaces the September 19, 2006 MSDS.

**NFPA CODES**

Fire: 1    Health: 3    Reactivity: 1

## Material Safety Data Sheet (MSDS)

Date Prepared: 02/13/2002

Revision Date: 10/13/2003

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Poly-Set HD Component B

**Manufacturer:**

Forward Enterprises, Inc.

8720 Tavenor Lane

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 #
Aromatic Polyether Polyol		68909-26-2
Aromatic Hydrocarbon		64742-94-5

**COMMENTS:**

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

### SECTION 3 - HAZARDOUS IDENTIFICATION

**EMERGENCY OVERVIEW**

IMMEDIATE CONCERNS: May cause eye irritation.

**POTENTIAL HEALTH EFFECTS**
**Eyes:** Mildly irritating to the eyes.

**Skin:** May cause skin irritation.

**Ingestion:** May cause vomiting.

**Inhalation:** Vapor irritating.

### SECTION 4 - FIRST AID MEASURES

**Eyes:** Flush eyes with water for 15 minutes. Get medical attention.

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

**Inhalation:** Move victim to fresh air and treat symptomatically.

**Ingestion:** Contact local poison control center or physician.

**SECTION 5 - FIRE FIGHTING MEASURES****Flashpoint and Method:** 205°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**

<b>Physical State:</b> Liquid	<b>pH:</b> 10 to 12
<b>Percent Volatile:</b> 1	<b>Boiling Point:</b> Not Determined
<b>Vapor Pressure:</b> <1 mmHg	<b>Evaporation Rate:</b> <1 (n-Butyle Acetate = 1)
<b>Vapor Density:</b> >1 (air = 1)	<b>Specific Gravity:</b> 1.08 (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:** 12/29/2008    **Revision #** 7

This MSDS replaces the October 13, 2003 MSDS.

**NFPA Codes-** Fire: 1    Health: 1    Reactivity: 0