

## Material Safety Data Sheet (MSDS)

Date Prepared: 2/11/2002

Revision Date: 7/1/2011

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Poly-Set 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 #
Diphenylmethane Diisocyanate		9016-87-9
4,4'- Methylene-diphenyl Diisocyanate		101-68-8
Petroleum Tar		64742-90-1
Modified Polyether Siloxane		135108-84-8

### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	EXPOSURE LIMITS		
	OSHA PEL	ACGIH TLV	Supplier
4,4'- Methylene-diphenyl Diisocyanate	0.02 ppm	0.005 ppm	
Petroleum Tar	0.2 mg/m <sup>3</sup>	0.2 mg/m <sup>3</sup>	

**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:** May cause eye irritation.

**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:** Do not induce vomiting. 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.**Hazardous Combustion Product:** Oxides of Carbon and Nitrogen.**Other Considerations:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA / NIOSH approved or equivalent) and full protective gear.**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****General Procedures:** Use with adequate ventilation.**Handling:** Avoid prolonged or repeated contact with skin.**Storage:** Store in a tightly closed container. Store in a cool dry place.**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**Solubility in Water:** Insoluble**Specific Gravity:** 1.19 (water = 1)**SECTION 10 - STABILITY AND REACTIVITY****Stable:** Yes**Hazardous Polymerization:** No**Conditions To Avoid:** Avoid high temperatures.**Hazardous Decomposition:** Oxides of Carbon and Nitrogen**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**

**Environmental Data:** Not Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

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

**SECTION 14 - TRANSPORT INFORMATION**

**Special Shipping Notes:** US DOT - Not regulated

**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:** 7/1/2011    **Revision #** 11

This MSDS replaces the January 2, 2009 MSDS.

**NFPA CODES**

Fire: 1    Health: 3    Reactivity: 1

## Material Safety Data Sheet (MSDS)

Date Prepared: 7/01/2011

Revision Date: 7/01/2011

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Poly-Set Component B3**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 #
Polyether Polyol Blend		9049-71-2
Dimethylohexylamine, N,N-	<2	98-94-2

### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

Dimethylohexylamine, N,N-

EXPOSURE LIMITS  
OSHA PEL    ACGIH TLV    Supplier

**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:** May cause eye irritation.**Skin:** Prolonged or repeated skin contact may cause skin irritation.

### 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:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.**Ingestion:** Do not induce vomiting. Seek medical attention immediately.

**SECTION 5 - FIRE FIGHTING MEASURES****Flashpoint and Method:** >200°F Penskey-Marten CC**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.**SECTION 6 - ACCIDENTAL RELEASE MEASURES****Small Spill:** Contain spill and soak up with absorbent material.**General Procedures:** Disposal must be in accordance with local, state, and federal regulations.**SECTION 7 - HANDLING AND STORAGE****General Procedures:** Use with adequate ventilation.**Handling:** Avoid prolonged or repeated contact with skin.**Storage:** Store in a cool dry place.**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION****PERSONAL PROTECTION****Eyes and Face:** Wear chemical safety glasses or goggles.**Skin:** Wear suitable gloves.**Respiratory:** Under normal conditions respiratory protection is not necessary.**Other Use Precautions:** Good general ventilation should be sufficient to control airborne levels.**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES****Physical State:** Liquid**Odor:** Ammoniacal**Solubility in Water:** Soluble**Specific Gravity:** 1.08**SECTION 10 - STABILITY AND REACTIVITY****Stable:** Yes**Hazardous Polymerization:** No**Hazardous Decomposition:** Oxides of Carbon and Nitrogen.**Conditions To Avoid:** Avoid high temperatures.**Incompatible Materials:** Oxidizing materials.

**SECTION 11 - TOXICOLOGY**

**General Comments:** See Section 8

**SECTION 12 - ECOLOGICAL INFORMATION**

**Environmental Data:** Not Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

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

**SECTION 14 - TRANSPORT INFORMATION**

**Special Shipping Notes:** US DOT - Not regulated

**SECTION 15 - REGULATORY INFORMATION**

**United States:** SARA TITLE III (Superfund Amendments and Reauthorization Act) 311-312 Hazard Categories: An immediate hazard. delayed health hazard. A

**SECTION 16 - OTHER INFORMATION**

**Approval Date:** 7/01/2011    **Revision #** n/a

**NFPA CODES**

Fire: 1    Health: 1    Reactivity: 0