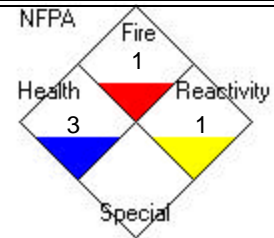


**MSDS - Material Safety Data Sheet****Product Name:** **Por-A-Mold, S-111 Prepol****MSDS No.:** 031902**I. Basic Information:****Manufacturer:** Synair Corporation**DISTRIBUTED BY FREEMAN MFG & SUPPLY CO. 800-321-8511****Transportation Emergency Phone: Chem-trec 1-800-424-9300****Last Update:** 05/13/2002**Chemical State:**  Liquid  Gas  Solid**Chemical Type:**  Pure  Mixture

3		Health
1		Flammability
1		Reactivity
C		Pers. Protection

**II. Ingredients:**

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
85687	Butyl benzyl phthalate	38-42					X	NE	NE	NE
26447405	Diphenylmethane Diisocyanate (MDI)	6-13					X	0.02 ppm	0.005 ppm	NE
	Isocyanate Terminated Prrepolymer	45-50						NE	NE	NE
9016879	Polymeric Diphenylmethane Diisocyanate	4-8					X	0.02 ppm	0.005 ppm	NE
26471625	Toluenediisocyanate (mixed isomers)	<1		X			X	0.02 ppm	0.005 ppm	NE

**III. Hazardous Identification:****Hazard Category:**
 Acute  Chronic  Fire  Pressure  Reactive
**Hazardous Identification Information:**

Warning!

Brown liquid with a characteristic odor.

Inhalation of vapors may cause respiratory tract irritation. Contact with skin and eyes may cause irritation.

**IV. First Aid Measures:****Route(s) of Entry:**

Inhalation, Ingestion, Skin and Eye contact.

**Health Hazards (Acute and Chronic):**

Acute (Short-Term)

Contact may cause slight irritation of the skin and eyes (tearing). Inhalation of vapors may cause irritation of the mucous membranes in the respiratory tract, running nose and sore throat.

Chronic (Delayed)

Prolonged skin contact can cause reddening, swelling or skin sensitization in susceptible individuals.

Repeated or prolonged inhalation of TDI and MDI vapors above the TLV of 0.02 ppm can cause immediate or delayed respiratory sensitization and asthma-like conditions.

# MSDS - Material Safety Data Sheet

**Product Name:** *Por-A-Mold, S-111 Prepol*

**MSDS No.:** 031902

**Signs and Symptoms:**

Skin, eye and respiratory tract irritation.

**Medical Conditions Generally Aggravated by Exposure:**

Repeated skin contact may cause skin sensitization.

Prolonged inhalation of vapors may cause respiratory sensitization in susceptible individuals.

**Emergency and First Aid Procedures:**

SKIN CONTACT: Remove contaminated clothing and wash affected area with isopropyl alcohol followed by soap and water.

EYE CONTACT: Flush eyes with water for at least 15 minutes and contact a physician.

INGESTION: Do NOT induce vomiting and contact a physician. Do NOT give anything by mouth to an unconscious person.

INHALATION: Remove person to fresh air. If person is not breathing give mouth-to-mouth resuscitation and contact a physician.

**Other Health Warnings:**

In an NTP study, TDI was carcinogenic when given to rats and mice at maximum tolerated doses. TDI was carcinogenic to rats in a two-year inhalation study.

**V. Fire Fighting Measures:**

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<b>Flash Point:</b>	440°F	<b>Lower Explosive Limit:</b>	NE	<b>Upper Explosive Limit:</b>	NE
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**Fire Extinguishing Media:** Foam, water fog, carbon dioxide or dry chemical extinguishers.

**Special Fire Fighting Procedures:**

Firefighters should wear a self-contained breathing apparatus and protective clothing.

**Unusual Fire and Explosion:**

Contamination of isocyanates with water releases carbon dioxide which may result in a dangerous amount of pressure build-up in closed containers. Do NOT reseal contaminated containers. Personnel must be evacuated. Use cold water to cool fire exposed containers.

**VI. Accidental Release Measures:**

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**Steps to be Taken in Case Material is Released or Spilled:**

Cover liquid with an absorbent material (sawdust, vermiculite or wet sand). After the material is absorbed scoop up and place in open containers. Treat material with the prepared decontamination solution and leave the container open in a well ventilated area for 48 hours. Spill area should also be decontaminated with the following decontamination solution: 90% water, 2% detergent and 8% concentrated ammonia or sodium carbonate.

**VII. Handling and Storage:**

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**Precautions to be Taken:**

Store in tightly closed containers in a cool, dry area away from sources of heat, moisture and incompatibles.

**Other Precautions:**

None known

**VIII. Exposure Controls/Personal Protection:**

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**Ventilation Requirements:**

Local Exhaust: Provide mechanical (general) and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

**Personal Protective Equipment:**

RESPIRATORY PROTECTION: None needed at normal temperatures. Use a self-contained breathing apparatus under emergency conditions.

**MSDS - Material Safety Data Sheet****Product Name: Por-A-Mold, S-111 Prepol****MSDS No.: 031902**

PROTECTIVE GLOVES: Impervious rubber gloves.

EYE PROTECTION: Wear safety glasses or goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: An apron or suitable clothing to prevent skin contact.

**IX. Physical and Chemical Properties:**


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<b>Boiling Point:</b>	>400°F	<b>Melting Point:</b>	NA	<b>Evaporation Rate:</b>	<1
<b>Vapor Pressure (mm Hg.):</b>	NE	<b>Vapor Density (AIR = 1):</b>	>1		
<b>Solubility In Water:</b>	Reacts slowly to liberate CO2 gas				
<b>Appearance and Odor:</b>	Brown liquid; characteristic odor				
<b>Other Information:</b>	VOLATILITY @75°F: Very low PERCENT VOLATILE BY VOLUME(%): Negligible				
	SPECIFIC GRAVITY: 1.10				

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**X. Stability and Reactivity:****Stability:**

Stable

**Incompatibility (Materials to Avoid):**

Water, bases, oxidizers, and amines.

**Decomposition/By Products:**

Carbon dioxide, carbon monoxide, TDI vapors, MDI vapors, traces of HCN and oxides of nitrogen.

**Hazardous Polymerization:**

May occur at temperatures above 400°F.

**XI. Toxicological Information:**

None Available

**XII. Ecological Information:**

None Available

**XIII. Disposal Considerations:**

Neutralized waste must be disposed of in accordance with federal, state and local environmental control regulations.  
Incineration is the preferred method.

**XIV. Transport Information:**

Plastic Liquid Resin Material  
Item 156240  
DOT Shipping Class 60  
Non-Hazardous

**XV. Regulatory Information:**

Toluene Diisocyanate CAS# 26471-62-5 contains 2,4 Toluene Diisocyanate CAS# 584-84-9 and 2,6 Toluene Diisocyanate CAS# 91-08-7. Diphenylmethane Diisocyanate (MDI) CAS# 26447-40-5 contains Methylenebis(Phenyl Isocyanate) CAS# 101-68-8.

SARA 313 INFORMATION: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372:

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
2,4 Toluene Diisocyanate	584-84-9	<1%
2,6 Toluene Diisocyanate	91-08-7	<1%
Methylenebis(Phenyl Isocyanate)	101-68-8	2-6%

# MSDS - Material Safety Data Sheet

**Product Name:** *Por-A-Mold, S-111 Prepol*

**MSDS No.:** 031902

Butyl Benzyl Phthalate

85-68-7

38-42%

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

An immediate health hazard

A delayed health hazard

A reactive hazard

**XVI. Other Information:**

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In this document the following abbreviations were used:

NA: Not Applicable

NE: Not Established