

MSDS - Material Safety Data Sheet**Product Name: Por-A-Mold SX50-1, Prepolymer**

MSDS No.: 162911

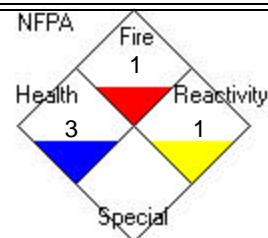
I. Basic Information:

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 SolidChemical 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
	Petroleum Hydrocarbons	45-55						5mg/m3	5mg/m3	NE
	Polyether polyol	40-50						NE	NE	NE
26471625	Toluene Diisocyanate*	<3		X			X	0.02 ppm	0.005 ppm	NE

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

Warning!

Amber liquid with a characteristic odor.

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

In an NTP study, TDI was carcinogenic when given orally to rats and mice at maximum tolerated doses. TDI was not carcinogenic to rats in a two year inhalation study.

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)

Repeated or prolonged inhalation of TDI vapors above the TLV of 0.02 ppm can cause immediate or delayed respiratory sensitization leading to asthma-like conditions and difficulty in breathing. Repeated or prolonged skin and eye contact can cause reddening, swelling or skin sensitization in susceptible individuals.

MSDS - Material Safety Data Sheet

Product Name: *Por-A-Mold SX50-1, Prepolymer*

MSDS No.: 162911

Signs and Symptoms:

Skin, eye and respiratory tract irritation.

Medical Conditions Generally Aggravated by Exposure:

Pre-existing lung diseases or conditions including asthma.

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. 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 (a component of this product) was carcinogenic when given orally to rats and mice at maximum tolerated doses. TDI was not carcinogenic to rats in a two-year inhalation study.

V. Fire Fighting Measures:

Flash Point:	>300°F	Lower Explosive Limit:	NE	Upper Explosive Limit:	NE
---------------------	--------	-------------------------------	----	-------------------------------	----

Fire Extinguishing Media: Foam, water fog, carbon dioxide or dry chemical extinguishers. If water is used, it should be used in very large quantities.

Special Fire Fighting Procedures:

Firefighters should wear a self-contained breathing apparatus and protective clothing to guard against incompletely combusted carbon products.

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. Use cold water to cool fire exposed containers.

VI. Accidental Release Measures:

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

Wear protective equipment. Ventilate spill area. 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:

Precautions to be Taken:

Store in tightly closed containers in a cool, dry place. Protect from heat and moisture contamination. Do not reseal containers if contamination is suspected.

Other Precautions:

Avoid skin and eye contact. Avoid breathing vapors.

VIII. Exposure Controls/Personal Protection:

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 for high concentrations and under emergency conditions.

MSDS - Material Safety Data Sheet

Product Name: *Por-A-Mold SX50-1, Prepolymer*

MSDS No.: 162911

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:

Boiling Point:	>400°F	Melting Point:	NA	Evaporation Rate:	<1
Vapor Pressure (mm Hg.):	NE	Vapor Density (AIR = 1):	>1		
Solubility In Water:	Reacts slowly to liberate CO2 gas				
Appearance and Odor:	Amber liquid; characteristic odor				
Other Information:	VOLATILITY @75°F: Very low		PERCENT VOLATILE BY VOLUME(%): Negligible		
	SPECIFIC GRAVITY: 1.03				

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Water, bases, amines, alcohols and oxidizing agents and other materials which react with isocyanates.

Decomposition/By Products:

Carbon dioxide, carbon monoxide, oxides of nitrogen, isocyanate vapors or mists.

Hazardous Polymerization:

May occur. Avoid incompatible reactants, especially strong bases, water or temperatures above 100°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.
Incinerate in a licensed facility.

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.

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	<3%
2,6 Toluene Diisocyanate	91-08-7	<1%

MSDS - Material Safety Data Sheet

Product Name: Por-A-Mold SX50-1, Prepolymer

MSDS No.: 162911

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:

In this document the following abbreviations were used:

NA: Not Applicable

NE: Not Established