

MSDS - Material Safety Data Sheet**Product Name: Por-A-Mold, S-555 Thixotropic Prepolymer**

MSDS No.: 041902

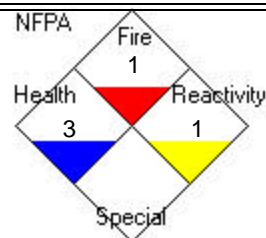
I. Basic Information:




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
112945525	Amorphous Fumed Silica	2-3						NE	NE	NE
	Parrafinic and Naphthenic Petroleum Blend	14-18						NE	NE	NE
	Polyether Polyols	57-62						NE	NE	NE
9016879	Polymeric Diphenylmethane Diisocyanate	2-4.5					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.

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)

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

Chronic (Delayed)

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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. Prolonged skin contact can cause reddening, swelling or skin sensitization.

Signs and Symptoms:

Skin, eye and respiratory tract irritation.

Medical Conditions Generally Aggravated by Exposure:

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

Repeated or prolonged inhalation of TDI and MDI vapors can cause immediate or delayed respiratory sensitization and asthma-like conditions 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 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:	440°F	Lower Explosive Limit:	NE	Upper Explosive Limit:	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:

Use cold water to cool fire exposed containers.

VI. Accidental Release Measures:

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:

Precautions to be Taken:

Store in tightly closed containers at 80-95°F in a dry ventilated area away from sources of heat, moisture and incompatibles. Do NOT reseal containers if water contamination is suspected.

Other Precautions:

Avoid contact with skin and eyes. 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.

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Personal Protective Equipment:

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

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: Brown liquid; characteristic odor

Other Information: VOLATILITY @75°F: Very low

PERCENT VOLATILE BY VOLUME(%): Negligible

SPECIFIC GRAVITY: 1.10

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.

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Polymeric Diphenylmethane Diisocyanate CAS# 9016-87-9 contains Methylene Bisphenyl 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%
Methylene Bisphenyl Isocyanate	101-68-8	2-6%

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