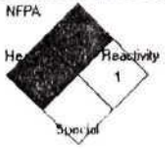
MSDS - Material Safety Data Sheet

Product Name: Por-A-Mold 2020 B, Prepol

MSDS No.: 182001

I. Basic Information:

Manufacturer: Synair Corporation
Address: 2003 Amnicola Highway, P.O.Box 5269
City, ST Zip: Chattanooga, TN 37406
Phone Number: 423 698 8801
Last Update: 2/00
Chemical State: [X] Liquid [ ] Gas [ ] Solid
Chemical Type: [ ] Pure [X] Mixture
Transportation Phone Emergency: Chem-Trec 1-800-424-9300



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
117817	Di(2-ethylhexyl) phthalate	10-15		X	X			5 mg/m3	5 mg/m3	10 mg/m3
0	Isocyanate Terminated Prepolymer	70-75						NE	NE	NE
0	Petroleum Hydrocarbons	10-15						5mg/m3	5mg/m3	NE
26471625	Toluene Diocyanate*	<2%		X			X	0.02 ppm	0.005 ppm	NE

III. Hazardous Identification:

Hazard Category:
[X] Acute [X] Chronic [ ] Fire [ ] Pressure [ ] Reactive

Hazardous Identification Information:

Warning!

Light yellowliquid 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.

In an NCI study, dioctyl phthalate was reported to cause liver tumors in rats at high dose levels. It poses little or no risk to man under the much lower exposure levels typical of product use.

IV. First Aid Measures:

Route(s) of Entry:
Inhalation, Ingestion, Skin and Eye contact.

Health Hazards (Acute and Chronic):

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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 and asthma-like conditions. Repeated skin and eye contact may cause reddening, swelling, or skin sensitization in susceptible individuals.

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 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.

In an NCI study, dioctyl phthalate was reported to cause liver tumors in rats at high dose levels. It poses little or no risk to man under the much lower exposure levels typical of product use.

Wash hands thoroughly after handling this material, before eating, smoking, etc.

V. Fire Fighting Measures:

Flash Point: >200°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.

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 at 70-90°F. Do not reseal containers if contamination is suspected

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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.

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: >300°F **Melting Point:** NA **Evaporation Rate:** <1

Vapor Pressure (mm Hg.): NE **Vapor Density (AIR = 1):** >1

Solubility in Water: Reacts slowly to liberate CO_2 gas.

Appearance and Odor: Light yellow, characteristic odor

Other Information: VOLATILITY @75°F: Very low

PERCENT VOLATILE BY VOLUME(%): Negligible

SPECIFIC GRAVITY: 1.019

X. Stability and Reactivity:

Stability
Stable

Incompatibility (Materials to Avoid):
Water bases, alcohols and oxidizing agents may cause a vigorous reaction.

Decomposition/By Products:
Carbon dioxide, carbon monoxide, oxides of nitrogen, isocyanate vapors and mists.

Hazardous Polymerization:
May occur

XI. Toxicological Information:

None Available

XII. Ecological Information:

None Available

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XIII. Disposal Considerations:

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

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	<2%
2,6 Toluene Diisocyanate	91-08-7	<1%
Di (2-ethylhexyl) Phthalate	117-81-7	10-15%

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:

The exposure limits for Dioctyl Phthalate (Di(2-ethylhexyl) phthalate) are as follows:
ACGIH TLV: 5mg/m3 TWA, 10mg/m3 STEL
OSHA PEL: 5mg/m3

In this document the following abbreviations were used:
NA: Not Applicable
NE: Not Established