

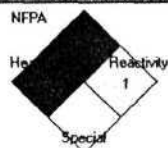
MSDS - Material Safety Data Sheet

Product Name: Por-A-Kast TA, Prepolymer

SDS No.: 052903

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: 3/18/99
 Chemical State: Liquid Gas Solid
 Chemical Type: Pure 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	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
39-11-0059	Diphenylmethane Diisocyanate (Homopolymer)	10-20						NE	NE	NE
26447405	Diphenylmethane Diisocyanate (MDI)*	45-55				X		0.02 ppm	0.005 ppm	NE
0	Isocyanate Terminated Prepolymer	25-35						NE	NE	NE

III. Hazardous Identification:

Hazard Category: Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

Warning:

Straw to light yellow liquid with a slight musty odor.

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

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

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 or repeated skin contact can cause reddening, swelling or skin sensitization in susceptible individuals. Repeated or prolonged inhalation of MDI vapors above the TLV can cause immediate or delayed respiratory sensitization and asthma-like conditions.

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Signs and Symptoms:

Skin, eye and respiratory tract irritation.

Medical Conditions Generally Aggravated by Exposure:

Repeated exposures are not anticipated to cause any additional significant adverse effects.

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:

Repeated or prolonged inhalation of MDI vapors above the TLV of 0.02 ppm can cause immediate or delayed respiratory sensitization and asthma-like conditions. However, due to its low volatility, high exposures are not anticipated unless the material is overheated or sprayed as an aerosol in the air.

Fire Fighting Measures:

Flash Point: >275°F Lower Explosive Limit: NE Upper Explosive Limit: NE

Fire Extinguishing Media: Foam, carbon dioxide, halon 1211 or dry chemical extinguishers. If water is used, it should be used in very large quantities.

Special Fire Fighting Procedures:

Firefighters should wear a full face positive pressure self-contained breathing apparatus and protective clothing. Use cold water to cool fire exposed containers.

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. Downwind personnel must be evacuated.

IV. 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.

V. Handling and Storage:

Precautions to be Taken:

Store in tightly closed containers at 80-95°F. Do not reseal if water contamination is suspected.

Other Precautions:

Avoid skin and eye contact. Avoid breathing vapors.

VI. 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:

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RESPIRATORY PROTECTION: None needed at normal temperatures. Use a self-contained breathing apparatus under high concentrations and 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: >500°F Melting Point: NA Evaporation Rate: Low

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

Solubility in Water: Reacts slowly to liberate CO₂ gas

Appearance and Odor: Yellow liquid; musty odor

Other Information: VOLATILITY @75°F: Very low

PERCENT VOLATILE BY VOLUME(%): Negligible

SPECIFIC GRAVITY: 1.18

X. Stability and Reactivity:

Stability:
Stable

Incompatibility (Materials to Avoid):

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

Decomposition/By Products:

High temperatures and burning conditions may release isocyanate vapors, carbon dioxide, carbon monoxide, nitrogen oxides and traces of hydrogen cyanide.

Hazardous Polymerization:

May occur. Temperatures above 120°F accelerate reactions with water. Polymerization may occur 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 15840
DOT Shipping Class 60
Non-Hazardous

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XV. Regulatory Information:

Diphenylmethane Diisocyanate (MDI) CAS# 26447-40-5 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
Methylene Bisphenyl Isocyanate (MBI)	101-68-8	50%

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