



# MATERIAL SAFETY DATA

Chemtrec 24-Hour Emergency Telephone

Domestic North America (800) 424-9300

International (800) 527-3887

*This MSDS complies with 29 CFR 1910.1200 (Hazard Communications)*

## 1. Product and Supplier Identification

Product Name:	Por-A-Kast
Product Number:	262PCC, 262PCCG, 262PCCT
Date of Prep:	10-25-10
Product Type:	Casting Resin
Supplier:	Fiberlay Inc. 24 S. Idaho S. Seattle, Wa 98134 (206)782-0660

## 2. Composition/Information On Ingredients

CAS No.	Chemical Name	% (by weight)	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
101668	Methylene Bisphenyl Isocyanate	Section 15	X	0.02 ppm	0.005 ppm	NE
393100059	Diphenylmethane Diisocyanate (Homopolymer)	12-19		NE	NE	NE
26447405	Diphenylmethane Diisocyanate (MDI)	44-50	X	0.02 ppm	0.005 ppm	NE
6846500	Polymeric Plasticizer	35-40		NE	NE	NE
78400	Triethyl Phosphate	<2		NE	NE	NE

## 3. Hazards Identification

### Hazard Category: Acute and Chronic

- Avoid temperatures above 120°F (48°C)
- Toxic gases / fumes are released during burning and decomposition
- May cause eye, skin, and respiratory tract irritation
- Prolonged skin contact may cause skin sensitization

**Physical form:** Liquid

**Color:** Light yellow

**Odor:** Slight musty odor

**Health Hazards:**

**Acute: (Short Term)**

- Inhalation of the vapors may cause irritation of the mucous membranes in the respiratory tract, running nose and sore throat
- Repeated or prolonged exposure may cause respiratory sensitization
- Prolonged skin contact may cause slight irritation of the skin and eyes

**Chronic: (Delayed)**

- Repeated or prolonged inhalations of MDI vapors above 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 in susceptible individuals

**Signs & 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 above TLV can cause immediate or delayed respiratory sensitization and asthma-like conditions in susceptible individuals.

<b>4. First Aid Measures</b>
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**Eyes:**

- Flush eyes with water for at least 15 minutes
- Contact a physician

**Skin:**

- Remove contaminated clothing
- Wash affected area with isopropyl alcohol followed by soap and water

**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
- Contact a physician

**Other Health Warnings:**

- Due to the low volatility of MDI vapors, high exposures are not anticipated unless the material is overheated or sprayed as an aerosol in the air

## 5. Fire Fighting Measures

**Flash Point:** > 500°F

**Flammable Limits - LEL:** NE

**Flammable Limits - UEL:** NE

**Fire and Explosion Hazards:**

- 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

**Extinguishing Media:**

- Foam
- Carbon Dioxide
- Dry chemical
- Halon 1211
- If water is used, it should be in very large quantities

**Fire Fighting Instructions:**

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

## 6. Accidental Release Measures

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

## 7. Handling and Storage

**Handling:**

- Avoid skin and eye contact
- Avoid breathing vapors

**Storage:**

- Store in in tightly sealed containers at 70-90°F in dry ventilated area
- Protect from heat and moisture contamination
- Do not re-seal containers if water contamination is suspected

## 8. Exposure Controls / Personal Protection

### Engineering Controls:

- Local Exhaust: Use in Ventilated area
- Mechanical (General): Recommended
- Control airborne levels below the exposure guidelines

### Eye Protection:

- Safety glasses or goggles

### Skin Protection:

- Impervious rubber gloves

### Respiratory Protection:

- None needed at normal temperatures
- Use a self-contained breathing apparatus under emergency conditions

### Other:

- An apron or suitable clothing to prevent skin contact

## 9. Physical and Chemical Properties

<b>Boiling Point:</b>	> 500°F	<b>Spec. Physical Form</b>	Liquid
<b>Specific Gravity @77°F</b>	1.10	<b>Odor:</b>	Slightly musty odor
<b>Evaporation Rate:</b>	NE	<b>Color:</b>	Light yellow
<b>Melting Point:</b>	NA	<b>% Volatiles by volume</b>	Negligible
<b>Vapor Pressure:</b>	NE	<b>Solubility in Water:</b>	Reacts slowly to liberate CO <sub>2</sub> gas
<b>Vapor Density:</b>	NE	<b>Volatility @ 75°F</b>	Very Low

## 10. Stability and Reactivity

### Stability:

- Stable

### Materials and Conditions to Avoid:

- Water
- Acids
- Bases
- Alcohols
- Amines
- Other materials which react with isocyanates

### Hazardous Polymerization:

- May occur above 400°F

- Temperatures above 120°F will accelerate reactions with water

**Hazardous Decomposition or By-Products:**

- High temperatures and burning conditions may release:
- Isocyanate vapors
- Carbon monoxide
- Carbon dioxide
- Nitrogen oxides
- Traces hydrogen cyanide

**11. Toxicological Information**

None available

**12. Ecological Information**

None available

**13. Disposal Considerations**

**Waste Disposal Method:**

- Waste must be disposed of in accordance with federal, state and local environmental regulations
- Incineration is the preferred method

**14. Transport Information**

**Shipping Name:** Plastic Liquid Resin Material

**Item:** 156240

**DOT Shipping Class:** Class 60

**Non-Hazardous**

**15. Regulatory Information**

Diphenylmethane Diisocyanate (MDI)\* CAS# 26447-40-5 contains \*Methylene Bisphenyl Isocyanate (MBI) 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 #	Concentration
Methylene Bisphenyl Isocyanate	101-68-8	33-38%

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

## 16. Other Information

### NFPA Hazard Classification

Health: 3 Flammability: 1 Reactivity: 1 Special Hazards: 0

### HMIS Hazard Classification

Health: 3 Flammability: 1 Reactivity: 0 Protection: C

**Preparation Date:** 10-25-10

**Prepared by:** Fiberlay Inc

**Comments:** This Material Safety Data Sheet was prepared using information provided by Hyperlast North America, Fiberlay Inc, and CCINFO

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**Revisions:** None