

## SAFETY DATA SHEET

### POR-A-MOLD PART A (Prepol) MOLD-QUIK

Date Issued : 7/7/2015

MSDS No : Por-A-Mold  
/ MOLD-QUICK

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** POR-A-MOLD / MOLD-QUIK PART A (Prepol)

**MANUFACTURER**

EnvironMolds LLC.

18 Bank Street / Suite 1

Summit, NJ 07901

**Service Number:** 908-273-5401

**24 HR. EMERGENCY TELEPHONE NUMBERS**

CHEMTREC: 800-424-9300

Part Nos. SP2010 GR, SP94010GR, SP94002GR,  
SP94002QR, SP933010GR, SP3002GR, SP93002QR,  
SP92002GR, SP92002QRSP24001GR, SP24001QR,  
SP23001GR, SP230001QR, SP22001GR, SP22001QR

#### 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Dark liquid.

**IMMEDIATE CONCERNS:** Irritating to eyes, respiratory system, and skin. Harmful if swallowed. The onset of respiratory symptoms may be delayed for several hours after exposure.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Moderate eye irritant.

**SKIN:** Moderate skin irritant.

**INGESTION:** Harmful if swallowed.

**INHALATION:** Inhalation of vapors or mists at concentrations above the TLV can cause respiratory tract irritation. Repeated or prolonged exposure at levels above the OEL can result in sensitization.

**ROUTES OF ENTRY:** Inhalation, skin contact, eye contact, ingestion.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Poly(oxy(methyl-2-ethane)), toluene diisocyanate polymer	25 - 30	9057-91-4	
Oxirane, methyl-, polymer with oxirane, ether with 1,2-propanediol (2:1), polymer with 1,3 diisocyanatomethylbenzene	25 - 30	65308-91-0	
Light Paraffinic Petroleum Oil Solvent Extract	15 - 20	64742-05-8	265-104-2
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	20 - 25	6846-50-0	229-934-9
Toluenediisocyanate (mixed isomers)	< 1	26471-62-5	209-544-5

#### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Seek immediate medical attention.

**SKIN:** Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash clothing thoroughly before reuse. For severe exposure, seek medical attention immediately. For lesser exposure, seek medical attention if swelling or redness occurs, or if irritation persists after being washed.

**INGESTION:** Aspiration hazard. If swallowed, vomiting may occur spontaneously, but do not induce. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**INHALATION:** Remove individual to fresh air. If respiratory irritation or other symptoms develop, seek medical attention.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry Chemical, Carbon Dioxide, Chemical Foam, Water Fog or Spray.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Nitrous Oxide, Hydrogen Cyanide and other undetermined compounds.

**FIRE FIGHTING PROCEDURES:** Isolate fuel supply from fire. Use water spray to cool fire-exposed surfaces and containers. Fire fighters should wear self-contained breathing apparatus in addition to emergency fire fighting protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Clean up spills wearing proper personal protective equipment. (See Section 8) Absorb with dry chemical absorbent, earth, sand, or any other inert material. Place in a chemical waste container. Move to outside well-ventilated area. Treat with 10 parts decontamination solution to 1 part isocyanate. Mix well. Allow to stand uncovered 48 hours before disposal.

**LARGE SPILL:** Evacuate and ventilate the area. Create a dike or trench to contain materials. Prevent entry into waterways, sewers, basements or confined areas. Clean-up personnel should wear appropriate personal protection equipment. (See Section 8) Absorb with dry chemical absorbent, earth, sand, or any other inert material. Place in a chemical waste container. Move to outside well-ventilated area. Treat with 10 parts decontamination solution to 1 part isocyanate. Mix well. Allow to stand uncovered 48 hours before disposal. Clean spill area with decontamination solution and allow to stand for 15 minutes before removal.

**GENERAL PROCEDURES:** Decontamination solution: Concentrated ammonia (5%), detergent (2%), and water (93%)

## 7. HANDLING AND STORAGE

**HANDLING:** Wear appropriate personal protective equipment. Use in a well ventilated area. Keep containers securely sealed when not in use. Avoid physical damage to containers.

**STORAGE:** Minimize exposure to high heat. Protect from atmospheric moisture. Keep containers sealed in order to avoid contamination. Do not reseal if contaminated. After container has been opened, blanket with nitrogen before resealing. Store indoors in a cool, well-ventilated area.

**STORAGE TEMPERATURE:** (60°F) Minimum to (120°F) Maximum

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Poly(oxy(methyl-2-ethane)), toluene diisocyanate polymer	<b>TWA</b>	NE	NE	NE	NE
Oxirane, methyl-, polymer with oxirane, ether with 1,2-propanediol (2:1), polymer with 1,3 diisocyanatomethylbenzene	<b>TWA</b>	NE <sup>[1]</sup>	NE <sup>[1]</sup>	NE	NE
Light Paraffinic Petroleum Oil Solvent Extract	<b>TWA</b>	300		300	
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	<b>TWA</b>	NE <sup>[1]</sup>	NE <sup>[1]</sup>	NE	NE
Toluenediisocyanate (mixed isomers)	<b>TWA</b>	0.005		0.005	
	<b>STEL</b>	0.02* <sup>[2]</sup>	0.14* <sup>[2]</sup>	0.02	
<b>Footnotes:</b>					
1. NE = Not Established					
2. * = Ceiling					

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Wear safety glasses with side shields or goggles.

**SKIN:** Wear impervious gloves and covering for exposed skin.

**RESPIRATORY:** If the exposure limit is exceeded and engineering controls are not feasible, a half-face organic vapor respirator may be worn for up to 10 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece organic vapor respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. All respirators used should follow the OSHA Respiratory Standard 29 CFR 1910.134.

**WORK HYGIENIC PRACTICES:** Follow good normal hygiene practices. Avoid contact with skin. Avoid eating, drinking, or smoking while using this product. Wash hands thoroughly after use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**ODOR:** Characteristic

**APPEARANCE:** Amber

**FLASH POINT AND METHOD:** > (200°F) Closed Cup

**AUTOIGNITION TEMPERATURE:** Not Determined

**VAPOR DENSITY:** Heavier than air

**BOILING POINT:** > (400°F)

**FREEZING POINT:** Not Established

**SOLUBILITY IN WATER:** Reactive with water

**EVAPORATION RATE:** < 1

**SPECIFIC GRAVITY:** 1.02

**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable under recommended storage conditions.

**POLYMERIZATION:** Can occur at temperatures over 400 °F.

**CONDITIONS TO AVOID:** High temperatures. Ignition sources (heat, sparks, open flame). Container contamination. Moisture.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Nitrous Oxide, Hydrogen Cyanide and other undetermined compounds.

**INCOMPATIBLE MATERIALS:** Water, amines, strong bases, alcohols, copper alloys

**11. TOXICOLOGICAL INFORMATION**

**ACUTE**

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Light Paraffinic Petroleum Oil Solvent Extract	> 5000 mg/kg	> 2000 mg/kg	
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	> 3200 mg/kg	> 20 mL/kg	453 ppm/6h
Toluenediisocyanate (mixed isomers)	5800 mg/kg	> 16000 mg/kg	100 to 360 mg/m <sup>3</sup> /4h

**EYE EFFECTS:** Moderate eye irritant.

**SKIN EFFECTS:** Moderate skin irritant.

**CARCINOGENICITY**

**IARC:** Toluene Diisocyanate is listed in Group 2B as a substance that is possibly carcinogenic to humans.

**NTP:** Toluene Diisocyanate is listed as a substance that may reasonably be anticipated to be a carcinogen.

**OSHA:** No components in this product are regulated as a carcinogen.

**SENSITIZATION:** This material is a respiratory sensitizer and irritant. Repeated and/or prolonged contact may cause skin sensitization and irritation.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:**

TDI:

LC<sub>50</sub> (Zebra fish) > 500 mg/L (24 hour)

EC<sub>50</sub> (Daphnia magna) ~ 750 mg/L (24 hour)

**GENERAL COMMENTS:** No testing for product as a whole.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Disposal should be in accordance with local, state, provincial or national regulations.

**EMPTY CONTAINER:** Empty containers should be decontaminated and either passed to an approved drum recycler or destroyed.

**RCRA/EPA WASTE INFORMATION:** If discarded in its purchased form, this material is not a hazardous waste under RCRA (40 CFR 261).

**GENERAL COMMENTS:** The generation of waste should be avoided or minimized whenever possible. Chemical waste, even small quantities, should never be poured down drains, sewers or waterways.

**14. TRANSPORT INFORMATION**

**DOT (DEPARTMENT OF TRANSPORTATION)**

POR-A\_MOLD / MOLD-QUIK PART A (Prepol)

**PROPER SHIPPING NAME:** Not regulated when shipped below RQ.**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** 10000 lbs**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:** Immediate health hazard. Delayed health hazard.**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

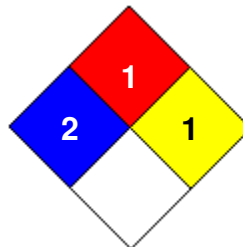
Chemical Name	Wt. %	CAS
Toluenediisocyanate (mixed isomers)	< 1	26471-62-5

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

Chemical Name	Wt. %	CERCLA RQ
Toluenediisocyanate (mixed isomers)	< 1	100 lbs

**REPORTABLE SPILL QUANTITY:** 10000 lbs**TSCA (TOXIC SUBSTANCE CONTROL ACT)****TSCA REGULATORY:** All components are on TSCA inventory.**RCRA STATUS:** Not hazardous if discarded in its purchased form. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste.**OSHA HAZARD COMM. RULE:** This product is classified as a hazardous material under the criteria outlined in the OSHA Hazard Communication Standard 29 CFR 1910.1200.**NATIONAL RESPONSE CENTER:** Any spill or release above the RQ must be reported to the National Response Center (800-424-8802).**16. OTHER INFORMATION****PREPARED BY:** L. Priest**HMIS RATING**

<b>HEALTH</b>	*	<b>2</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>PHYSICAL HAZARD</b>		<b>1</b>
<b>PERSONAL PROTECTION</b>		

**NFPA CODES****NFPA STORAGE CLASSIFICATION:** Rating system: 0 = low hazard to 4 = high hazard**HMIS RATINGS NOTES:**

If present, the asterisk signifies a chronic health hazard.

Rating system: 0 = low hazard to 4 = high hazard

**COMMENTS:**Key Legend Information:

ACGIH - American Conference of Governmental Industrial Hygienists

EPA - Environmental Protection Agency

IARC - International Agency for Research on Cancer

NTP - National Toxicology Program

OEL - Occupational Exposure Limit

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

STEL - Short Term Exposure Limit

TLV - Threshold Limit Value

TWA - Time Weighted Average

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