

# Poly-Tron Elastomeric Concrete M.S.D.S.

## Material Safety Data Sheet U.S.

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

## Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMS No. 1218-0072

Hazard Rating	Part A	
4 = Extreme	Health	0
3 = High	Fire	1
2 = Moderate	Reactivity	0
1 = Slight		
O = Insignificant	Personal Protection	A

Hazard Rating	Part B	
4 = Extreme	Health	2
3 = High	Fire	1
2 = Moderate	Reactivity	1
1 = Slight		
O = Insignificant	Personal Protection	B

Identity (As Used on Label and List)

## Poly-Tron

### SECTION I

#### MANUFACTURER'S NAME

R.J. Watson, Inc.  
11035 Walden Avenue  
Alden, NY 14004

**Emergency Telephone Number** Chem Tel: 800-255-3924  
**Telephone Number for Information** 716-901-7020  
**Date Prepared** July 2007

### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS NO.	OSHA PEL	ACGIH TLV	Other Limits Recommended TVL (Ceiling)	% (Optional)
				0.02 ppm	

Hardener:

4,4 Diphenylmethane Diisocyanate

SARA TITLE III SECTION 313 SUBSTANCES:

Resin: None

Hardener: 4,4' Diphenylmethane Diisocyanate 101-68-8

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

<b>Boiling Point</b> NA	<b>Specific Gravity</b> Resin - 0.97 Hardener - 1.21
<b>Vapor Pressure</b> N.A. (mm Hg.)	(H2O=1) <b>Melting Point</b> N.A.
<b>Vapor Density</b> NA (But (AIR=1))	<b>Evaporation Rate</b> Slower than butyl acetate (yl Acetate=1)
<b>Solubility in Water</b> Resin- Partial Hardener - Reacts with water	
<b>Appearance and Odor</b> Resin - Black, low viscosity liquid Hardener - Brown, low viscosity liquid	

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## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**Flash Point** Resin & Hardener 200°F (closed cup ASTM D-93) **Flammable Limits** N.A. **LEL** N.A. **UEL** N.A.  
(Method Used)

**Extinguishing Media** Dry Chemical, Foam, CO2

### **Special Fire Fighting Procedures**

Wear self-contained breathing apparatus in addition to normal protective clothing.

### **Unusual Fire and Explosion Hazards**

Resin- Material is slightly combustible

Hardener - Avoid water contamination in closed container or confined area. CO2 evolved

## SECTION V - REACTIVITY DATA

**Stability** Unstable **Conditions to Avoid (Stability)** Prolonged heating over 160°F or storage below 75°F for hardener  
Stable XX

**Incompatibility** (Materials to Avoid) Water, strong bases, alcohols

### **Hazardous Decomposition or Byproducts**

Carbon monoxide & dioxide, nitrogen oxides, traces of hydrogen cyanide

**Hazardous** May Occur XX **Conditions to Avoid** Hardener- Contamination by moisture or other materials that react with isocyanates

**Polymerization** Will Not Occur

## SECTION VI - HEALTH HAZARD DATA

**Route(s) of Entry:** Inhalation? Skin? E yes? Ingestion?  
**Health Hazards** Resin - No adverse health effects  
Hardener May cause breathlessness, severe coughing, chest discomfort, headache, irritation of mucus membrane, may cause eye irritation and skin sensitivity.  
(Acute and Chronic)

**Carcinogenicity:** NT P? NE

**IARC Monographs!** NE

**OSHA Regulated?** No

**Signs and Symptoms of Exposure** Resin- No adverse health effects are expected to occur with exposure.  
Hardener- May cause breathlessness, severe coughing, chest discomfort, headache, irritation of mucus membrane, may cause eye irritation with tearing, repeated contact may cause skin sensitivity

**Medical Conditions Generally Aggravated** None Known

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## **SECTION VI - HEALTH HAZARD DATA (CONTINUED)**

### Emergency and First Aid Procedures

In case of skin contact, wash thoroughly with soap & water; for eyes flush immediately with plenty of cool water for 15 min. and consult a physician. Resin not expected to cause ingestion & inhalation hazard. Hardener ingestion - induce vomiting with warm salt water. Remove to uncontaminated area. Administer oxygen as necessary, consult physician immediately. Remove & wash all contaminated clothing before reuse.

## **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

### **Steps to Be Taken in Case Material is Released or Spilled**

Cover spill with absorbent material (saw dust, vermiculite etc) Place in open top containers, remove to a well ventilated area and treat with diluted ammonia solution for hardener. For cleaning the area, use a high boiling, non flammable solvent for resin & dilute ammonia solution for hardener.

### **Waste Disposal Method**

Resin- Incineration or sanitary landfill  
Hardener- Incineration or landfill of neutralized material.

### **Precautions to Be Taken in Handling and Storing**

Should be stored in tightly closed containers to protect from moisture. For long storage, hardener should be stored at 18-35c C. If crystallization occurs, please contact R.J. Watson, Inc. for recommendations.

**Other Precautions** Hardener should be protected from moisture contamination (exothermic generation of CO2 may cause dangerous pressure)

## **SECTION VIII - CONTROL MEASURES**

### **Respiratory Protection** (specify type)

Air purifying or fresh air supplied.

**Ventilation** Local Exhaust Required

Special *N/A*

Mechanical Required  
(General)

Other *N/A*

**Protective Gloves** Rubber

**Eye Protection** Goggles

### **Other Protective Clothing and Equipment**

Protective clothing strongly suggested but not mandatory. Gloves and goggles are ordinarily required.