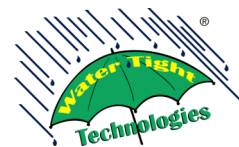




**Water Tight Technologies, LLC**  
**3815 River Crossing Parkway, Ste 100**  
**Indianapolis, IN 46240**



**SECTION 1 – PRODUCT IDENTIFICATION**

Product Name: <b>Pourable Sealer Part A</b>	24 Hour Emergency Telephone Number: <b>800-424-9300 CHEMTREC</b>
Chemical Name/Synonyms: <b>Polymethylene Polyisocyanate</b>	Manufacturer's Name: <b>Water Tight Technologies, LLC</b>
Chemical Family: <b>Polyisocyanate (Polymeric MDI)</b>	Manufacturer's Address: <b>3815 River Crossing Parkway, Ste 100 Indianapolis, IN 46240</b>
Chemical Formula: <b>Not Established</b>	NFPA Acute Hazard Rating: <b>Health 1, Flammability 1, Reactivity 0</b> HMIS Acute Hazard Rating: <b>Health 1, Flammability 1, Reactivity 0</b>

**SECTION 2 – CHEMICAL COMPOSITION**

Ingredient Components (chemical names)	Common Name:	CAS #:	% (by weight)	Exposure Limits:
<b>Methylenediphenyl Diisocyanate</b>	<b>MDI</b>	<b>101-68-8</b>	<b>41.7</b>	<b>OSHA CEIL 0.02 PPM TLV 0.005 PPM</b>
<b>Carbon Black</b>	<b>Channel Black</b>	<b>1333-86-4</b>	<b>16.6</b>	<b>PEL 3.5 mg/M<sup>3</sup> TLV 3.5 mg/M<sup>3</sup></b>
<b>MDI Oligomers</b>	<b>None</b>	<b>9016-87-9</b>	<b>41.7</b>	<b>Not Established</b>

**SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS**

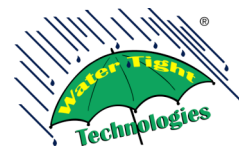
Appearance/Odor: <b>Light black, viscous liquid, mild odor.</b>	Physical State: <b>Liquid</b>	Solubility in Water: <b>Insoluble</b>
Boiling Point: <b>341°</b>	Specific Gravity (HO=1) <b>1.474(Water=1)</b>	Melting Point: <b>Not Applicable</b>
Vapor Pressure: <b>&lt;0.0001 mm Hg @ 20° C</b>	Vapor Density (Air=1) <b>8.6</b>	Freezing Point: <b>Not Established</b>
Percent Volatiles: <b>Unknown</b>	Evaporation Rate: <b>Unknown</b>	Reactivity in Water: <b>Reacts with water.</b>
pH (Full Strength) <b>Unknown</b>	pH (Recommended Dilution): <b>Unknown</b>	Ignition Temperature: <b>400°C (725°F)</b>

**SECTION 4- FIRE & EXPLOSION HAZARD DATA**

Flash Point: <b>111°C (232°F)</b>	Flammable Limits (in air): <b>LEL: Unknown UEL: Unknown</b>
Extinguishing Media: <b>Water fog, foam, CO<sub>2</sub>, or dry chemical.</b>	Fire Fighting Procedures: <b>Use water spray to cool adjacent surfaces and fire exposed containers. Protect against inhalation of combustion products. Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products. Toxic fumes and vapors may be involved.</b>



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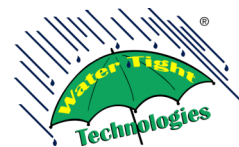
<p>Hazardous Decomposition Products:</p> <p><b>No Decomposition if used according to specifications.</b></p>	<p>Special Fire &amp; Explosion Hazards:</p> <p><b>Keep work areas free from open flames, sparks, hot metal surfaces and other sources of ignition. Ground objects prone to static electricity. Heat from fire can generate flammable vapors. <u>Avoid contamination with moisture, alcohol, ammonia, amines, and alkalis that react with Isocyanates. Will react vigorously with water.</u></b></p>
<p>Method Used:</p> <p><b>COC</b></p>	<p>Auto-Ignition Temperature:</p> <p><b>Product in not self-igniting.</b></p>

**SECTION- 5 HEALTH HAZARD DATA**

<p>Permissible Exposure Limit:</p> <p><b>Not Established</b></p>	<p>Signs and Symptoms of Exposure:</p> <p><b>Eye contact may result in conjunctival irritation and mild corneal opacity. Skin contact may result in irritative or allergic dermatitis. Inhalation of vapors may cause irritation of the mucous membrane of the nose, throat, or trachea, shortness of breath, chest discomfort, difficulty breathing and reduced pulmonary function. Exposure of fumes above the PEL may result in eye irritation, headache, chemical bronchitis, asthma-like symptoms or pulmonary edema. Isocyanates have also been reported to cause hypersensitivity pneumonitis, characterized by flu-like symptoms, the onset of which may be delayed. Neurologic effects after exposure to high levels of Diisocyanates can include euphoria, anxiety, personality changes, memory deficits, depression or paranoia. Aerosol MDI LC<sub>50</sub>: 490 mg/M<sup>3</sup>, rat: MDI LD<sub>50</sub>: &gt; 10,000 mg/kg, rat.</b></p>
<p>Effects of Overexposure:</p> <p><b>May cause minor temporary eye or respiratory system irritation. May cause skin irritation when contact is made with skin area that is cut or scratched.</b></p>	
<p>Acute:</p> <p><b>None Known</b></p>	<p>Chemical Listed as a Carcinogen (or Potential Carcinogen):</p> <p><b>Carbon black is an IARC class 2B Carcinogen and is possibly carcinogenic to humans: limited evidence in humans in the absence of sufficient evidence in experimental animals.</b></p>
<p>Chronic:</p> <p><b>Acute or chronic overexposure to Isocyanates may cause sensitization resulting in allergic symptoms of the lower respiratory tract, including shortness of breath and difficulty in breathing. Asthma caused by Isocyanates including MDI, may persist after removal from exposure and may be irreversible. Long term exposure to Isocyanates has been reported to cause lung damage, including reduces lung function, which may be permanent.</b></p>	



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**Emergency & First Aid Procedures:**

**Eye Contact:**

**Flush with gentle stream of water for a minimum of 15 minutes and contact a physician.**

**Skin Contact:**

**Clean with rubbing alcohol, followed by soap and water. When skin contact is made with a mixture of Parts A & B, the product must be removed immediately using Acetone.**

**Inhalation:**

**Remove to fresh air. Administer oxygen or artificial respiration, if necessary. Call physician.**

**Ingestion:**

**Consult a Physician. DO NOT INDUCE VOMITING. Inform the physician of the nature of the product.**

**Primary Route of Entry:**

**Inhalation.**

**SECTION 6 – REACTIVITY DATA**

**Stability:**

**Stable at ambient temperatures and pressures.**

**Incompatibility:**

**Strong oxidizers, acids, bases, and moisture.**

**Hazardous Decomposition Products:**

**Toxic gases or vapors, such as oxides of carbon and nitrogen along with traces of butadiene may be released during a fire.**

**Hazardous Polymerization:**

**Will not occur.**

**Conditions to Avoid:**

**Strong oxidizers, moisture, acid and bases. Contact with phosphorus may produce by-products.**

**SECTION 7 - SPILL OR LEAK PROCEDURES**

**Steps to be taken in case material is released or spilled:**

**Small spill:**

**Wear protective equipment including eye protection, rubber gloves, rubber boots, and self-contained breathing apparatus in the pressure mode, or an air supplied respirator. Absorb using inert material. Use non-sparking tools. Transfer into secure DOT approved waste containers for proper disposal. Use personal protective equipment as outlined below.**

**Large Spill:**

**Same as small spill.**

**Waste Disposal Method:**

**Dispose of according to local, state, and federal regulations.**

**SECTION 8 – SPECIAL PROTECTION**

**Respiratory Protection:**

**Use NIOSH-Certified respiratory protection for organic vapor if necessary.**

**Eye Protection:**

**Impervious safety glasses are recommended.**

**Protective Gloves:**

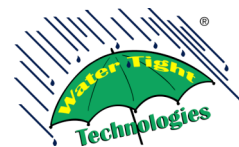
**Impervious gloves are recommended to prevent skin contact.**

**Other Protective Equipment:**

**Under normal application conditions, protective glasses, gloves, and clothing are adequate.**



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Ventilation:

**Provide adequate ventilation to maintain airborne concentrations below OSHA PELs.**

**SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS**

Storage/Handling:

**Store in cool, dry, well ventilated facility. Store and use away from all sources of direct heat and ignition. Keep containers closed when not in use.**

Other Precautions:

**Provide adequate ventilation and avoid prolonged or repeated contact with the skin. Wash with soap and water immediately after contact.**

Work/Hygienic Practices:

**Maintain good personal hygiene practices. Wash contaminated clothing before reuse. Do not eat, drink, or smoke in work areas. Wash exposed skin before eating, drinking, smoking, or applying cosmetics.**

**SECTION 10 - TRANSPORTATION**

Regulatory Agency:

**Not Applicable**

Identification Number:

**Not Applicable**

Proper Shipping Name:

**Not Applicable**

Labels Required:

**Not Applicable**

Hazard Classification:

**Not Applicable**

Other Requirements:

**Not Applicable**

Packing Group:

**Not Applicable**

**SECTION 11 – MISCELLANEOUS INFORMATION**

Additional Comments:

Date of Previous MSDS:

**August 2000**

Changes Since Previous MSDS:

**Comment change in sections: 1 thru 9**  
**Add sections: 10,11**

Telephone Number for Additional Information:

**(574) 293-9096**

**DISCLAIMER**

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information is accurate, complete, or representative. Water Tight Technologies, LLC assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons if reasonable safety procedures are not followed.