



## SECTION 1 - IDENTIFICATION

Trade Name: Pourable Sealer – Part B

Product Item #: TPS

Relevant Uses: Two part polyurethane adhesive/sealer suitable for use as a pitch pocket filler.

Details of Supplier of SDS:

Water Tight Technologies, LLC  
P.O. Box 899, Payson, AZ 85547  
888-649-1020

**Emergency Telephone Number: CHEMTREC – US: 800-424-9300; International: 703-527-3887**

## SECTION 2 – HAZARDS IDENTIFICATION

NFPA Rating (0=Least Severe and 4= Most Severe): Health = 2; Fire = 1; Reactivity = 0

Label Elements:



GHS08



GHS07

Hazard Pictograms -

**Signal Work – DANGER**

May cause allergy or asthma symptoms or breathing difficulties if inhaled. (H334)

Suspected of causing Cancer. (H351)

Suspected of damaging fertility or the unborn child. (H361)

May cause damage to organs through prolonged or repeated exposure. (H372)

Harmful if inhaled. (H332)

Causes skin irritation. (H315)

Causes serious eye irritation. (H319)

May cause an allergic skin reaction. (H317)

May cause respiratory irritation. (H335)

### **Hazard Statements:**

Harmful if inhaled.

Causes skin irritation.

Causes serious eye irritation.

Suspected of damaging fertility or the unborn child.

May cause drowsiness or dizziness.

May cause damage to organs through a single exposure. May be fatal if swallowed and enters airways.

### **Precautionary Statements:**

If medical advice is needed, have product container or label at hand.

Keep out of the reach of children.

Read label before use.

Wear protective gloves/protective clothing/eye protection/face protection.

Keep away from heat/sparks/open flames. Do not smoke when handling or using material. Do not use in areas without proper ventilation. While using product, keep container tightly closed.



IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.  
 IF ON SKIN/HAIR: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and continue rinsing.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 Seek medical advice if any rash, breathing difficulties or irritations persist.  
 Store locked-up.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

**SECTION 3 – COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS**

Chemical characterization: Mixtures

Description: Mixture of the substances listed below plus non-hazardous additions.

Dangerous components:

CAS#	Name/Description	% of Mixture
9016-87-9	Diphenylmethane diisocyanate, isomers and homologues	25-50%
101-68-8	4,4'-methylenediphenyl diisocyanate	25-50%
26761-40-0	di-"isodecyl"phthalate	5-20%
5873-54-1	o-(p-isocyanatobenzyl) phenyl isocyanate	2.5-10%
1333-86-4	Carbon black	<=2.5%
2536-05-02	2,2'-methylenediphenyl diisocyanate	<=1%

**SECTION 4 – FIRST-AID MEASURES**

**General Information:** Symptoms of poisoning may occur after several hours; therefore medical observation for at least 48 hours after the accident.

**After Inhalation:** Overexposure, remove to fresh air and seek medical attention. Supply fresh air. If required, provide artificial respiration. If breathing is difficult, give oxygen and call a Doctor.

**After Skin Contact:** Immediately wash affected area with soap and water. Rinse area for 15 minutes. Remove contaminated clothing. Wash clothing before reuse.

**After Eye Contact:** Rinse opened eye for several minutes under running water. Remove contact lenses, if present. Then consult a doctor.

**After Swallowing:** Seek medical treatment. Do NOT induce vomiting. Remove dentures, wash out mouth with clean water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed, product can enter lungs and cause damage.

**Over-exposure signs and symptoms:**

**Eye Contact:** Adverse symptoms may include pain or irritation. Redness and watering of the eyes.

**Inhalation:** Symptoms may include nausea or vomiting, headache with drowsiness or fatigue. Dizziness with disorientation and vertigo. Unconsciousness.

**Skin Contact:** May cause irritation and redness.

**Ingestion:** May cause nausea and vomiting.



## SECTION 5 – FIRE-FIGHTING MEASURES

### **Extinguishing Media:**

Suitable extinguishing agents: CO<sub>2</sub>, sand, extinguishing powder or water spray. Use water spray to fight large fires.

### **Advice for Firefighters:**

Protective equipment: Mouth respiratory protective device. Protective clothing, including helmet, face shield, gloves and rubber boots.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear protective equipment during emergency procedures. Keep unprotected persons away. Ensure adequate ventilation.

### **Environmental Precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Prevent seepage into sewage system, workpits and cellars.

Do not allow product to reach sewage system or any water course.

Do not allow to enter sewers/surface or ground water.

### **Methods and Materials for containment and cleaning up:**

Cover spilled material with neutralization solutions (see below) and mix. Wait 15 minutes. Collect material in openhead metal containers and repeat neutralization and cleaning process until surface is decontaminated. Apply drum lid but DO NOT secure. Allow container to vent for 72 hours to let carbon dioxide escape. Ensure adequate ventilation.

Dispose of contaminated material as waste in accordance with federal, state and local regulations.

### **Neutralization Solutions:**

1. Mixture of 90% water, 3-8% ammonium hydroxide or concentrated ammonia and 2% liquid detergent.
2. Mixture of 80% water, 20% non-ionic surfactant.

### **Refer to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection.

See Section 13 for disposal information.

## SECTION 7 – HANDLING AND STORAGE

### **Handling:**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Wear personal protective equipment

Avoid contact with eyes.

Avoid prolonged or repeated contact with the skin.

Do not breath vapors or spray mist.

### **Information about protection against explosion and fires:**

Product reacts with water. Reaction may produce heat and/or gases. Container may rupture from gas generation of a fire situation. The reaction may be violent.

Keep ignition sources away. No not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.



**Storage:**

Store in a cool location away from direct heat. (between 50°F and 90°F)  
Keep receptacle tightly sealed.  
Store in cool, dry conditions in well-sealed receptacles.  
Do not eat, drink or smoke in areas where this product is being handled, stored or processed.  
Store away from oxidizing agents.  
Do not store in containers made of copper, copper alloys or galvanized surfaces.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Components with limit values that require monitoring at the workplace:**

4,4'-methylenediphenyl diisocyanate 101-68-8	
PEL	Short-term value: C 0.2 mg/m <sup>3</sup> , 0.02 ppm
REL	Long-term value: 0.05 mg/m <sup>3</sup> , 0.005 ppm Ceiling limit value: 0.2* mg/m <sup>3</sup> , 0.02* ppm * 10 min.
TLV	Long-term value: 0.051 mg/m <sup>3</sup> , 0.005 ppm
Carbon Black 1333-86	
PEL	Long-term value: 3.5 mg/m <sup>3</sup>
REL	Long-term value: 3.5 mg/m <sup>3</sup>
TLV	Long-term value: 3.0 mg/m <sup>3</sup>

Additional information: The lists that were valid during the creation were used as basis.

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.  
Store protective clothing separately.

**Breathing equipment:**

Use approved NIOSH-certified respiratory protection equipment when airborne exposure is excessive and above the established exposure limits. Comply with OSHA 29 CFR 1910.134  
Consult the respirator manufacturer to determine the appropriate type of equipment for a given application.  
Observe respirator use limitations specified by the manufacturer.

**Protection of hands:**

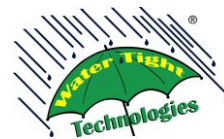
The glove material has to be impermeable to the product/the substance/the preparation.  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is preparation of several substances, the resistance of the glove material; cannot be calculated in advance and therefore has to be check prior to the application.

**Eye protection:**

Safety glasses with side shields or tightly sealed goggles. Eye wash stations and safety showers should be close to workstation.

**Body protection:**

Wear solvent resistant apron and boots. Material should be antistatic and flame resistant.



## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

Form:	Liquid
Color:	Black
Odor:	Characteristic

### Change in condition:

Melting Point:	Undetermined
Boiling Point:	190°C (374° F)

**Flash Point:** 111°C (232°F)

**Ignition Temperature:** 400°C (752° F)

**Auto igniting:** Product is not self-igniting

**Danger of explosion:** Product does not present an explosion hazard.

### Flammable Limits:

Lower: 0.4 Vol. %

**Specific Gravity at 20°V (68°F):** 1.2 g/cm<sup>3</sup> (10.014 lbs/gal)

**Vapor Pressure:** N/A

**Solubility in/Miscibility with Water:** Insoluble

**Solvent content – Organic solvents:** 0.0%

**Solids content:** Not available

**Other information:** No further relevant information available.

## SECTION 10 – STABILITY AND REACTIVITY

**Reactivity:** Not expected to be explosive, self-reactive or self-heating under normal conditions.

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of hazardous reactions:** MDI reacts slowly with water to form Carbon Dioxide gas. Reaction with water at high temperatures may be more severe. Avoid contact with bases, alcohols and amines.

**Conditions to Avoid:** Exposure to high temperatures, open flames and sparks. Do not pressurize, cut, weld, braze, drill or grind on containers.

**Incompatible Materials:** Reacts with acids, alkalis, amines, ammonia, oxidizing agents, polyols. Also reacts with water forming carbon dioxide. May rupture sealed containers if contaminated with water.

**Hazardous decomposition products:** Oxides of carbon, nitrogen, isocyanate and hydrocarbons.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Acute toxicity:

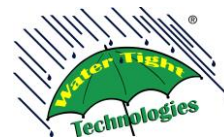
LD/LC50 values that are relevant for classification:

101-68-8 4,4'-methylenediphenyl diisocyanate: Oral LD50 – 2200 mg/kg (rat)

26761-40-0 di-“isodecyl” phthalate: Oral LD50 – 64000 mg/kg (rat)

### Primary irritant effect:

On skin: Irritant to skin and mucous membranes.



On the eye: Irritating effects.  
Sensitization: Sensitizing effect through inhalation and/or skin contact is possible.

**Additional toxicological information:**

This product shows the following dangers according to internally approved calculation methods for preparations:  
Harmful  
Irritant

**Carcinogenic categories:**

*IARC (International Agency for Research on Cancer):*  
9016-87-9 (Diphenylmethane diisocyanate, isomers and homologues) is 3  
101-68-8 (4,4'-methylenediphenyl diisocyanate) is 3  
1333-86-4 (Carbon Black) is 2B

*NTP (National Toxicology Program) and OSHA-Ca:*  
None of the ingredients are listed.

**SECTION 12 – ECOLOGICAL INFORMATION**

**Aquatic/Ecotoxic effects:** At present no aquatic or ecotoxicity information is available.

**General Notes:**

Do not allow product to reach ground water; water course or sewage system.

**Other adverse effects:**

No further relevant information available.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste treatment methods:**

Recommendation – Must not be disposed of together with household garbage. Do not allow product to reach sewage system and or waterways. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental and waste disposal legislation and all local, regional and federal authority and requirements.

**Uncleaned packagings:**

Recommendation: disposal must be made according to all official regulations.

**SECTION 14 – TRANSPORTATION INFORMATION**

UN-Number – DOT:	Not regulated
UN proper shipping name – DOT:	Not regulated
Packing group – DOT:	Not regulated
Environmental hazards:	Not applicable
Special precautions for user:	Not applicable
UN “Model Regulation”:	Not regulated

**SECTION 15 – REGULATORY INFORMATION**

**SARA Title III:**

Section 355(extremely hazardous substances): No ingredients listed



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Section 313 (specific toxic chemical listing): 9016-87-9 (Diphenylmethane diisocyanate, isomers and homologues)  
101-68-8 (4,4'-methylenediphenyl diisocyanate)

**TSCA (Toxic Substances Control Act):** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

**Prop 65:**

Chemicals known to cause cancer: None of the ingredients listed.

Chemicals known to cause reproductive toxicity: None of the ingredients listed.

**Carcinogenicity categories:**

EPA: 9016-87-9 (Diphenylmethane diisocyanate, isomers and homologues) CBD  
101-68-8 (4,4'-methylenediphenyl diisocyanate) D, CBD

TLV 1333-86-4 (Carbon Black) A4

NIOSH-Ca: 1333-86-4 (Carbon Black)

**National regulations:**

Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**SECTION 16 – OTHER INFORMATION**

The information herein is presented in good faith and believed to be correct as of the date hereof. Information is based upon supplier-issued safety data sheets and may be subject to error. If apprised of changes, updated SDS will be promptly issued. Users must make their determination regarding the suitability of the product for their own purposes prior to use. In no event will Water Tight Technologies, LLC be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

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Reason for revision: N/A