



**TREMSEAL PITCH POCKET SEALER**

Version 1.

Print Date 10/24/2011

REVISION DATE: 10/11/2011

This is a kit that contains the following components:

TremSEAL Pitch Pocket Sealer - Part A

TremSEAL Pitch Pocket Sealer - Part B

## TremSEAL Pitch Pocket Sealer - Part A

Version 1.  
REVISION DATE: 10/11/2011

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### SECTION 1 - PRODUCT IDENTIFICATION

Trade name : TremSEAL Pitch Pocket Sealer - Part A  
 Product code : 876200 304

COMPANY : Tremco Incorporated  
 3735 Green Road  
 Cleveland, OH 44122

Telephone : (216) 292-5000 8:30 - 5:00 EST  
 Emergency Phone: : (216) 765-6727 8:30 - 5:00 EST  
 After Hours: Chemtrec 1-800-424-9300

Product use : Sealant

### SECTION 2 - HAZARDS IDENTIFICATION

#### Emergency Overview

Liquid solution. May cause slight irritation to the respiratory system. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. May cause allergic respiratory sensitization. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel.

#### Acute Potential Health Effects/ Routes of Entry

Inhalation : May cause slight irritation to the respiratory system. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. May cause allergic respiratory sensitization.

Eyes : Direct contact may cause mild irritation.

Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.

Skin : May cause sensitization resulting in irritation, itching and redness.

#### Aggravated Medical Conditions

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

#### Chronic Health Effects

Overexposure may cause dermatitis, asthma, skin and respiratory sensitization and decreased lung function. Repeated (21 day) oral exposure of 1,2-benzenedicarboxylic acid esters in rats led to liver disease and testicular atrophy at a dose of 2.5 g/kg/day. No testicular effects were seen in rats treated for 7 days. Diphenylmethane diisocyanate (methylene bisphenyl isocyanate) caused an increased incidence of lung tumors in experimental animals following long term inhalation at concentrations in excess of 100 times the exposure limit. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**Target Organs:** Skin, Eye, Ingestion, Lung

### SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
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Polyurethane Polymer	NJ TSN# 51721300-6383P	40.0 - 70.0
Diisodecyl phthalate (mixed Is)	68515-49-1	15.0 - 40.0
4,4'-Methylene bis(phenylisocyanate)	101-68-8	10.0 - 30.0
Diphenylmethane diisocyanate	26447-40-5	10.0 - 30.0
Polymethylene polyphenyl isocyanate	9016-87-9	7.0 - 13.0
MDI prepolymer	39310-05-9	1.0 - 5.0

### SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation	:	Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel.
Eye contact	:	Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
Skin contact	:	Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
Ingestion	:	Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

### SECTION 5 - FIRE FIGHTING MEASURES

Flash point	:	> 93 °C, > 199 °F
Method	:	Pensky-Martens Closed Cup
Lower explosion limit	:	Not available.
Upper explosion limit	:	Not available.
Autoignition temperature	:	Not available.
Extinguishing media	:	If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Hazardous combustion products	:	Carbon monoxide and carbon dioxide can form. Hydrocyanic acid and nitrogen oxides can form.
Protective equipment for firefighters	:	Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Scrape up and transfer to appropriate container for disposal.

### SECTION 7 - HANDLING AND STORAGE

Prevent inhalation of vapor, ingestion and contact with skin, eyes and clothing. Preferably use entire contents in one continuous work session. Do not smoke, weld, generate sparks, or use flame near container. Change soiled work clothes frequently. Clean hands thoroughly after handling. Do not store or use near food. Keep container closed when not in use. Since emptied containers retain product residue and vapor, observe precautions even after container is emptied. Store under dry warehouse conditions away from heat and all

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ignition sources.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**
**Personal protection equipment**

- Respiratory protection : Wear appropriate, properly fitted NIOSH/MSHA approved organic vapor or supplied air respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
- Hand protection : Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.
- Eye protection : Wear appropriate eye protection. Use safety glasses if eye contact is likely.
- Skin and body protection : Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.
- Protective measures : Use professional judgment in the selection, care, and use.
- Engineering measures : Use general ventilation and/ or local exhaust to reduce the airborne contaminant concentration below the exposure limit listed in the MSDS

**Exposure Limits**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Regulation</u>	<u>Limit</u>	<u>Form</u>
4,4'-Methylene bis(phenylisocyanate)	101-68-8	ACGIH TWA:	0.005 ppm	
Polymethylene polyphenyl isocyanate	9016-87-9	ACGIH TWA:	0.005 ppm	

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Form : Liquid solution
- Odor : Faint Aromatic
- pH : Not available.
- Vapour pressure : Not available.
- Vapor density : Heavier than air
- Melting point/range : Not available.
- Freezing point : Not available.
- Boiling point/range : Not available.
- Water solubility : Insoluble
- Specific Gravity : 1.1
- % Volatile Weight : 0 %

**SECTION 10 - REACTIVITY / STABILITY**

- Substances to avoid : Amines. Water or moisture and oxidizing agents. Alcohols. Strong

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acids.Strong bases.

Stability : Material is stable under normal storage, handling, and use.

Hazardous polymerization : Will not occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

4,4'-Methylene bis(phenylisocyanate), CAS-No.: 101-68-8  
 Acute inhalation toxicity (LC-50) 0.369 mg/l for 4 h ( Rat ) 0.38 mg/l for 4 h ( Rat )

**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal Method : Waste not regulated under RCRA. Dispose of in compliance with state and local regulations.

**SECTION 14 - TRANSPORTATION / SHIPPING DATA**

**TDG / DOT Shipping Description:**  
 NOT REGULATED

**SECTION 15 - REGULATORY INFORMATION**
**North American Inventories:**

All components are listed or exempt from the TSCA inventory.  
 This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

**U.S. Federal Regulations:**

SARA 313 Components : 4,4'-Methylene bis(phenylisocyanate) 101-68-8  
 Polymethylene polyphenyl isocyanate 9016-87-9

SARA 311/312 Hazards : Acute Health Hazard  
 Fire Hazard

**OSHA Hazardous Components :**

Diisodecyl phthalate (mixed Is) 68515-49-1  
 4,4'-Methylene bis(phenylisocyanate) 101-68-8  
 Polymethylene polyphenyl isocyanate 9016-87-9

OSHA Status: Considered : Irritant  
 hazardous based on the Sensitizer  
 following criteria:

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OSHA Flammability : IIIA

When appropriately mixed with the other part, product has a VOC less water and exempt solvent of:  
0 g/l

Regulatory VOC (less water and exempt solvent) : 0 g/l

VOC Method 310 : 0 %

**U.S. State Regulations:**

MASS RTK Components : 4,4'-Methylene bis(phenylisocyanate) 101-68-8  
Polymethylene polyphenyl isocyanate 9016-87-9

Penn RTK Components : Polyurethane Polymer NJ TSRN# 51721300-6383P  
Diisodecyl phthalate (mixed Is) 68515-49-1  
4,4'-Methylene bis(phenylisocyanate) 101-68-8  
Diphenylmethane diisocyanate 26447-40-5  
Polymethylene polyphenyl isocyanate 9016-87-9

NJ RTK Components : Polyurethane Polymer NJ TSRN# 51721300-6383P  
Diisodecyl phthalate (mixed Is) 68515-49-1  
4,4'-Methylene bis(phenylisocyanate) 101-68-8  
Diphenylmethane diisocyanate 26447-40-5  
Polymethylene polyphenyl isocyanate 9016-87-9  
MDI prepolymer 39310-05-9

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:

68515-49-1 Diisodecyl phthalate (mixed Is)

**SECTION 16 - OTHER INFORMATION**
**HMIS Rating :**

Health	2
Flammability	1
Reactivity	1
PPE	

0 = Minimum  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

**Further information:**

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

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**Prepared by: Rich Mikol**



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**Legend**

ACGIH - American Conference of Governmental Hygienists  
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
DOT - Department of Transportation  
DSL - Domestic Substance List  
EPA - Environmental Protection Agency  
HMIS - Hazardous Materials Information System  
IARC - International Agency for Research on Cancer  
MSHA - Mine Safety Health Administration  
NDSL - Non-Domestic Substance List  
NIOSH - National Institute for Occupational Safety and Health  
NTP - National Toxicology Program  
OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit  
RCRA - Resource Conservation and Recovery Act  
RTK - Right To Know  
SARA - Superfund Amendments and Reauthorization Act  
STEL - Short Term Exposure Limit  
TLV - Threshold Limit Value  
TSCA - Toxic Substances Control Act  
TWA - Time Weighted Average  
V - Volume  
VOC - Volatile Organic Compound  
WHMIS - Workplace Hazardous Materials Information System

**TremSEAL Pitch Pocket Sealer - Part B**

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**SECTION 1 - PRODUCT IDENTIFICATION**

Trade name : TremSEAL Pitch Pocket Sealer - Part B  
 Product code : 876200 304

COMPANY : Tremco Incorporated  
 3735 Green Road  
 Cleveland, OH 44122

Telephone : (216) 292-5000 8:30 - 5:00 EST  
 Emergency Phone: : (216) 765-6727 8:30 - 5:00 EST  
 After Hours: Chemtrec 1-800-424-9300

Product use : Curative

**SECTION 2 - HAZARDS IDENTIFICATION**
**Emergency Overview**

Black. Liquid. No serious effects anticipated under normal conditions of use. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**Acute Potential Health Effects/ Routes of Entry**

Inhalation : No serious effects anticipated under normal conditions of use.  
 Eyes : Direct contact may cause mild irritation.  
 Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.  
 Skin : May cause mild irritation.

**Aggravated Medical Conditions**

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

**Chronic Health Effects**

Carbon black is classified by IARC to be a known animal carcinogen and a possible human carcinogen (Group 2B). Carbon black is encapsulated by resin and not expected to have adverse effects unless made airborne. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**Target Organs:** Skin, Eye

**SECTION 3 - PRODUCT COMPOSITION**

Chemical Name	CAS-No.	Weight %
Polyol	NJ TSRN# 51721300-5660P	40.0 - 70.0
Polypropylene glycol	25322-69-4	40.0 - 70.0
Low acid filtered neutral oil	8001-79-4	1.0 - 5.0
Carbon Black	1333-86-4	1.0 - 5.0
Siloxanes and Silicones	67762-90-7	1.0 - 5.0



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**SECTION 4 - FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

- Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
- Eye contact : Flush with water for 15 minutes. If irritation persists, get medical attention.
- Skin contact : Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
- Ingestion : Get medical attention. Do not induce vomiting.

**SECTION 5 - FIRE FIGHTING MEASURES**

- Flash point : > 177 °C, > 351 °F
- Method : Pensky-Martens Closed Cup
- Lower explosion limit : Not available.
- Upper explosion limit : Not available.
- Autoignition temperature : Not available.
- Extinguishing media : Use that which is appropriate to the surroundings.
- Hazardous combustion products : Carbon monoxide and carbon dioxide can form. Smoke, fumes.
- Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
- Fire and explosion conditions : This product not expected to ignite under normal conditions of use.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Transfer to appropriate container for disposal. Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal. Use appropriate protective equipment. Avoid contact with material.

**SECTION 7 - HANDLING AND STORAGE**

Store under normal warehouse conditions. Handle in compliance with common hygienic practices. Clean hands thoroughly after handling. Do not use in confined or poorly ventilated areas.

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

**Personal protection equipment**

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- Respiratory protection : Not required under normal conditions of use. Wear appropriate, NIOSH/MSHA approved respirator with combination particulate filter and vapor/gas removing cartridge when the ventilation is not adequate or if it is necessary to abrade or grind surfaces coated with this product.
- Hand protection : Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
- Eye protection : Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
- Skin and body protection : Not required.
- Protective measures : Other equipment not normally required. Use professional judgment in the selection, care, and use.
- Engineering measures : Not required under normal conditions of use. Use local exhaust when the general ventilation is inadequate.

**Exposure Limits**

Chemical Name	CAS Number	Regulation	Limit	Form
Carbon Black	1333-86-4	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA:	3.5 mg/m3 3.5 mg/m3 15 mg/m3 5 mg/m3	Total dust. Respirable fraction.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Form : Liquid
- Color : Black
- Odor : Polyol
- pH : Not available.
- Vapour pressure : Not available.
- Vapor density : Heavier than air
- Melting point/range : Not available.
- Freezing point : Not available.
- Boiling point/range : Not available.
- Water solubility : Dispersible
- Specific Gravity : 1.02
- % Volatile Weight : 0 %

**SECTION 10 - REACTIVITY / STABILITY**

- Substances to avoid : Strong acids. Strong bases.



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Stability : Stable  
Hazardous polymerization : Will not occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

No Data Available

**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal Method : Waste not regulated under RCRA. Dispose of in compliance with state and local regulations.

**SECTION 14 - TRANSPORTATION / SHIPPING DATA**

**TDG / DOT Shipping Description:**  
NOT REGULATED

**SECTION 15 - REGULATORY INFORMATION**

**North American Inventories:**

All components are listed or exempt from the TSCA inventory.  
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

**U.S. Federal Regulations:**

SARA 313 Components : None present or none present in regulated quantities.

SARA 311/312 Hazards : Acute Health Hazard  
Chronic Health Hazard

OSHA Hazardous Components :

Carbon Black 1333-86-4

OSHA Status: Considered : Irritant  
hazardous based on the Carcinogen  
following criteria:

OSHA Flammability : IIIB

When appropriately mixed with the other part, product has a VOC less water and exempt solvent of:  
0 g/l



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Regulatory VOC (less water and exempt solvent) : 0 g/l  
VOC Method 310 : 0 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:  
Carbon Black 1333-86-4

**U.S. State Regulations:**

MASS RTK Components : Carbon Black 1333-86-4

Penn RTK Components : Polyol NJ TSRN# 51721300-5660P  
Polypropylene glycol 25322-69-4  
Carbon Black 1333-86-4

NJ RTK Components : Polyol NJ TSRN# 51721300-5660P  
Polypropylene glycol 25322-69-4  
Low acid filtered neutral oil 8001-79-4  
Carbon Black 1333-86-4  
Siloxanes and Silicones 67762-90-7

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:

1333-86-4 Carbon Black

**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	2
Flammability	0
Reactivity	0
PPE	

0 = Minimum  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

**Further information:**

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**Prepared by: Rich Mikol**

**Legend**

ACGIH - American Conference of Governmental Hygienists  
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
DOT - Department of Transportation  
DSL - Domestic Substance List

PEL - Permissible Exposure Limit  
RCRA - Resource Conservation and Recovery Act  
RTK - Right To Know  
SARA - Superfund Amendments and Reauthorization Act



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EPA - Environmental Protection Agency  
HMIS - Hazardous Materials Information System  
IARC - International Agency for Research on Cancer  
MSHA - Mine Safety Health Administration  
NDSL - Non-Domestic Substance List  
NIOSH - National Institute for Occupational Safety and Health  
NTP - National Toxicology Program  
OSHA - Occupational Safety and Health Administration

STEL - Short Term Exposure Limit  
TLV - Threshold Limit Value  
TSCA - Toxic Substances Control Act  
TWA - Time Weighted Average  
V - Volume  
VOC - Volatile Organic Compound  
WHMIS - Workplace Hazardous Materials Information System