



SAFETY DATA SHEET

PIG® Pipe Wrap (MSD-170)

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1. Product And Company Identification

Product Identifier: PIG® Pipe Wrap

General Use: PIG® Pipe Wrap is a water activated fiberglass tape used to repair pipes and joints. It bonds to most plastic or metal pipe materials, such as steel, iron, copper, PVC, fiberglass and CPVC.

Product Description: A pipe repair tape composed of a knitted fiberglass cloth impregnated with a viscous resin.

COMPANY PROFILE: **EMERGENCY TELEPHONE:**

New Pig Corporation	INFOTRAC
One Pork Avenue	200 North Palmetto Street
Tipton, PA 16684-0304	Leesburg, FL 34748
Information Number	24 hrs, 7 days/week
1-800-468-4647	1-800-535-5053

Website: www.newpig.com, **Email:** hothogs@newpig.com

2. Hazards Identification

OVERVIEW - Warning: Eye & Skin irritant! Potential Skin and Respiratory Sensitizer.

POTENTIAL HEALTH EFFECTS:

Eye Contact: Causes irritation. Corneal injury is unlikely. Excessive exposure may cause irritation.

Ingestion: No hazard expected in normal industrial use. Single oral dose toxicity considered to be extremely low. No hazards expected from swallowing small amounts incidental to normal handling operations. Ingestion may cause gastrointestinal irritation.

Inhalation: At room temperature, vapors are minimal due to low vapor pressure. In some individuals an allergic reaction may occur. Airborne exposures are unlikely to occur unless MDI is heated or forms an aerosol or mist during pouring, frothing or spraying operations. Excessive exposure over exposure limits may cause irritation of the upper respiratory tract and lungs. May cause respiratory sensitization in susceptible individuals.

Skin Contact: May cause skin irritation. Allergic reactions are possible. A single exposure is not likely to result in the material being absorbed through the skin in harmful amounts. Prolonged or repeated exposure may cause skin irritation. May stain skin.

3. Composition/Information on Ingredients

Components	wt. %	CAS Registry #
Knitted fiberglass cloth	85-90	Not established
Polymethylene polyphenyl isocyanate*	5-10	9016-87-9
Methylene bisphenyl Isocyanate (MDI)	1-5	101-68-8
Polypropylene polyol	5-15	25322-69-4

* This component is listed as a SARA Section 313 Toxic Chemical

4. First Aid Measures

Eye Contact: Flush with lukewarm water for 15 minutes, holding eyelids open all the time. Seek medical advice.

Ingestion: Seek medical advice. Do not induce vomiting. Give one to two cups of milk or water to drink. Never give anything by mouth to an unconscious person.

4. First Aid Measures (Cont'd)

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, qualified personnel should administer artificial respiration. Seek medical attention.

Skin Contact: Wash with plenty of soap and water. If irritation persists, consult a physician.

5. Fire Fighting Measures

Extinguishing Media: Dry chemical, foam, CO₂. Water spray for large fires.

Special Fire Fighting Procedures: Firefighters and others who may be exposed to the products of combustion should be equipped with NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing. Keep people away, stay upwind, and isolate the fire area.

Hazardous Combustion Products: Oxides of nitrogen and carbon, and HCN.

Unusual Hazards: At temperatures greater than 350 °F (177 °C), the release of CO₂ that can cause pressure build up in closed containers is possible. Use cold water to cool fire exposed containers. Reacts with moisture to liberate CO₂ which may cause pressure build in closed containers.

6. Accidental Release Measures

Spill or Leak Procedures: Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel. Wear adequate personal protective equipment. Extinguish or remove all ignition sources. Ventilate area. Do not touch spilled material. Shovel into clean, dry, labeled, open containers. Move containers to safe, well-ventilated area.

7. Handling and Storage

Handling Precautions: Wash thoroughly after handling, especially before eating, drinking, smoking and using restroom facilities. Wash contaminated gloves. Launder contaminated clothing before re-use.

Storage Precautions: Store in a cool, dry, well ventilated area.

General: The container can be hazardous when empty. Follow label cautions even after the container is empty. Do not re-use empty containers for food, clothing or products for human or animal consumption, or where skin contact can occur.

8. Exposure Controls/Personal Protection

Engineering Controls: General mechanical: none required. Local exhaust: use as necessary to keep exposure below threshold values.

PERSONAL PROTECTION

Eyes: Goggles or safety glasses

Respirator: Use as necessary to reduce exposure below limits.

Gloves: Appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation.

Other: Safety showers and eye wash stations should be available. **OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):**

	EXPOSURE LIMITS 8 hrs. TWA (ppm)	
	OSHA PEL	ACGIH TLV
Methylene bisphenyl	0.02 ppm	0.005 ppm
Isocyanate	(ceiling value)	



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9. Physical and Chemical Properties

Appearance: Fiberglass cloth coated with viscous resin.
Odor: Odorless **Threshold:** Not applicable
pH: Not applicable
Melting Point/Freezing Point: Not applicable
Initial Boiling Point and Range: Not applicable
Flash Point: 370 °F (188 °C) **Method:** Pensky-Martens CC
Evaporation Rate: Not available
Flammable Limits: Not established
Conditions of Flammability: Not established
Explosive Properties: Not applicable
Vapor Pressure: 0.0003 mmHg **Vapor Density:** 8.5
Relative Density (H₂O = 1): 1.22
Solubility in Water: Insoluble, reacts slowly with water to liberate carbon dioxide gas.
Auto-ignition Temperature: Not established
Coefficient of Water/Oil Distribution: Not available
% Volatile: Not available

10. Stability and Reactivity

General: This is a stable material.
Conditions of Reactivity: Will react with water
Incompatible Materials: Moisture, strong bases, alcohols, amines or any other material that will react with isocyanates will destroy the material or cause hardening of the sealant. Additionally, storage of this material with another incompatible material may result in the liberation of CO₂ that may lead to container overpressurization. May cause corrosion to copper alloys and aluminum.
Conditions to Avoid: High temperatures and incompatible materials.
Hazardous Decomposition: 4,4'-methylene dianiline (formed by reaction of MDI with water).
Hazardous Polymerization: Contact with moisture, other materials which can react with isocyanates, or temperatures above 400 °F, may cause polymerization.

11. Toxicological Information

For MDI:

LD50: Oral, Rat - 9,200 mg/kg
LC50: Inh, Rat - 178 mg/m³, 4 hours
Carcinogenicity: IARC: No
National Toxicology Program: No
OSHA: No
California Prop 65: No listed ingredient.
Reproduction Toxicity: Not available
Teratogenicity: Not available
Mutagenicity: Monomeric MDI is positive in the Ames assay (with hepatic microsomal activation). However, it was negative in an in vivo-in vitro micronucleus assay.
Synergistic Products: Not available
Irritancy of Product: See Section 2.
Sensitization to Product: Not available

12. Ecological Information

Aquatic toxicity – LC50, 24 hour (static): Greater than 500 mg/liter for *Daphnia magna*, *Limnea stagnalis*, and Zebra fish (*Brachydanio rerio*) for both polymeric and monomeric MDI.

13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with local, federal and state regulations.
RCRA Status: This product is not listed as a hazardous waste.

14. Transport Information

DOT (Department of Transportation): 49 CFR 172
Proper Shipping Name: Unrestricted
Hazard Class: Unrestricted
Identification Number: None

15. Regulatory Information

CERCLA (Comprehensive Environmental Response Compensation and Liability Act): No Reportable Quantity
OSHA Hazard Communication Standard, 29 CFR 1910.1200: Methylene bisphenol isocyanate.
SARA Title III (Superfund Amendments and Reauthorization Act): Polymethylene polyphenyl isocyanate
TSCA (Toxic Substances Control Act): Ingredients of this product are on the Inventory list.
State Hazardous Substance Lists:
CAS # 101-68-8: PA, FL, IL, MA, RI, NJ, Canadian WHMIS.
CAS # 9016-87-9: PA Non-hazardous present at 3% or greater, NJ Other – included in 5 predominant ingredients > 1% (containers larger than 2 l / 2 kg), NJ Trade Secret Registry # 31765300002-531P.
CAS # 26447-40-5: NJ Other – included in 5 predominant ingredients >1% (containers larger than 2 l / 2kg).

16. Other Information

NFPA Hazard Ratings: **Health - 2**
none → extreme **Fire - 1**
0 → 4 **Reactivity - 0**

WHMIS Classification: D1A, D2A, D2B
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