

Safety Data Sheet

1. Product And Company Identification

Product Identifier: PIG Pipe Wrap (MSD-170)

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
One Pork Avenue
Tipton, PA 16684-0304
Information Number
1-800-468-4647

INFOTRAC
200 North Palmetto Street
Leesburg, FL 34748
24 hrs, 7 days/week
1-800-535-5053

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

2. Hazards Identification

Warning! Eye & Skin irritant. Potential Skin and Respiratory Sensitizer with Prolonged Exposure. Heated material harmful.

GHS Classification: Acute toxicity, Inhalation (Category 4)
Skin corrosion/irritation, (Category 2)
Serious eye damage/irritation, (Cat. 2A)
Respiratory sensitization (Category 1)
Skin sensitization (Category 1)
Specific target organ toxicity – single exposure (Category 3)

GHS Label Elements

Signal Word: Danger

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H332 Harmful if inhaled

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 May cause respiratory irritation

Precautionary Statements:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash skin thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352 IF ON SKIN: Wash with plenty of soap and water

P304 + P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician



3. Composition/Information on Ingredients

CAS: 65887-17-3	Fiberglass cloth (textile grade)	65-70%
CAS: 65997-17-3	Fibrous glass dust	<0.5%
EC: 266-046-0		

Resin:

CAS: 26447-40-5	Diphenylmethane diisocyanate (MDI) containing	10-25%
CAS: 101-68-8*	Methylene bisphenyl isocyanate	
EC: 202-966-0		
CAS: 39310-05-9	Diphenylmethane diisocyanate (homopolymer)	3-8%
CAS: 7803-62-5	Organically bound silanes	0.02-0.08%

* 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.

Inhalation: Remove to fresh air. Administer oxygen or artificial respiration as needed. Seek medical attention. Asthmatic-type symptoms may develop and may be immediate or delayed up to several hours. Consult physician should this development occur.

Skin Contact: Remove contaminated clothing & wash before reuse. Wash affected skin with plenty of soap and water. If irritation persists, consult a physician. For severe exposures, get under safety shower after removing clothing then get medical attention.

5. Fire Fighting Measures

Extinguishing Media: Dry chemical, foam, CO₂, water fog or fine spray. Do not use direct water stream, may spread fire.

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, traces of HCN, MDI vapors or aerosols. Dense smoke is produced when product burns.

Unusual Hazards: At temperatures greater than 400°F (204°C), polymeric MDI can polymerize and decompose which can cause pressure build-up in closed containers. Explosive rupture is possible. Therefore, use cold water to cool fire exposed containers.



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6. Accidental Release Measures

Spill or Leak Procedures: Resin is incorporated in cloth material, therefore non-flowable. Exposure to moisture results in resin becoming an inert solid. Shovel into clean, dry, labeled, open containers. Move containers to safe, well-ventilated area.

7. Handling and Storage

Handling Precautions: May stick to skin causing irritation upon removal. Prevent direct skin and eye contact. Wash thoroughly after handling, especially before eating, drinking, smoking and using restroom. Wash contaminated gloves. Launder contaminated clothing before re-use.

Storage Precautions: Store between 64°-86°F (18°-30°C) in a cool, dry, well ventilated area. Keep away from humidity and water. **Shelf Life:** 1+ years if unopened.

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 (butyl rubber, nitrile). 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. Protective clothing to avoid skin contact.

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)	
Fibrous glass dust	5 mg/m ³ (resp)	5 mg/m ³ (inh)

9. Physical and Chemical Properties

Appearance: Fiberglass cloth coated with viscous resin.

Odor: Pungent **Threshold:** Not established

pH: Not determined

Melting Point/Freezing Point: Not applicable

Initial Boiling Point and Range: Not determined

Flash Point: 370°F (188°C) **Method:** Pensky-Martens CC

Evaporation Rate: Not determined

Flammable Limits: Not available

Conditions of Flammability: Not established

9. Physical and Chemical Properties (Cont'd)

Explosive Properties: Not applicable

Vapor Pressure: Not determined

Vapor Density: Not determined

Relative Density (H₂O = 1): 2.5 (glass cloth)

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

10. Stability and Reactivity

General: Stable under standard use and storage conditions.

Conditions of Reactivity: Will react with water. Can react with itself at temperatures above 320°F (160°C).

Incompatible Materials: Acids, water, amines, ammonia, strong oxidizers, alcohols. Will cause some corrosion to copper alloys and aluminum.

Conditions to Avoid: Avoid contact with water until ready to activate for use.

Hazardous Decomposition: May include but are not limited to: nitrogen oxides, isocyanates, hydrogen cyanide, oxides of carbon.

Hazardous Polymerization: Can occur. Polymerization can be catalyzed by water and strong bases.

11. Toxicological Information

Warning! Eye & Skin irritant. Potential Skin and Respiratory Sensitizer with Prolonged Exposure. Heated material harmful.

Target Organs: No data available

POTENTIAL HEALTH EFFECTS:

Eye Contact: Liquid, aerosols or vapor are irritating and can cause tearing, reddening and swelling. If left untreated, corneal damage can occur and injury is slow to heal. Damage, however is usually reversible.

Ingestion: Unlikely route of entry. Irritation and corrosive action can occur in the mouth, stomach tissue and digestive tract. Symptoms can include: sore throat, abdominal pain, nausea, vomiting and diarrhea.

Inhalation: At room temperatures vapors are minimal due to low volatility. Isocyanate containing fumes may be generated at higher temperatures. Low concentrations may cause asthmatic symptoms in hypersensitive people.

Skin Contact: Cured material is difficult to remove. Prolonged contact: Isocyanates react with skin protein and moisture and can cause irritation which may include the following symptoms: reddening, swelling, rash, scaling or blistering.

Overexposure Signs/Symptoms: Excess exposure to isocyanates has been reported to cause lung damage (including decrease in lung function) which may be permanent. Sensitization can either be temporary or permanent. Asthma, other respiratory disorders (bronchitis, emphysema, bronchial hyperactivity), skin allergies, eczema.



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11. Toxicological Information (Cont'd)

For MDI:

LD50: Oral, Rat: > 1000 mg/kg. Dermal, rabbit: > 2000 mg/kg

LC50: Not available

Carcinogenicity: Lung tumors have been observed in laboratory animals exposed to aerosol droplets of MDI/Polymeric MDI (6 mg/m³) for their lifetime. Tumors occurred concurrently with respiratory irritation and lung injury. Current exposure guidelines are expected to protect against these effects.

IARC:

Titanium dioxide (13463-67-7) 2B

Benzoyl chloride (98-88-4) 2A

National Toxicology Program: None listed

OSHA: Not established

Reproduction Toxicity: Contains triethyl phosphate which has been shown to interfere with reproduction in animal studies. The dose required to produce such effects are highly unlikely with the use of this product.

Teratogenicity: In laboratory animals MDI/polymeric MDI did not cause birth defects; other fetal effects occurred only at high doses which were toxic to the mother.

Mutagenicity: Genetic toxicity data on MDI are inconclusive. MDI was weakly positive in some in-vitro studies; other in-vitro studies were negative. Animal genetic toxicity studies were predominantly negative.

Synergistic Products: Not available

Chronic Toxicity: Not available

12. Ecological Information

Ecotoxicity: Based largely or completely on information for MDI and polymeric MDI: the measured Ecotoxicity is that of the hydrolyzed product, generally under conditions maximizing product of soluble species. Material is practically non-toxic to aquatic organisms on an acute basis (LC50 or EC50 > 100 mg/l in the most sensitive species tested). The LC50 in earthworm *Eisenia foetida* is > 1000 mg/kg.

Aquatic toxicity: No further relevant information available.

Persistence and degradability: Based largely or completely on information for MDI and polymeric MDI: in the aquatic and terrestrial environment, material reacts with water forming predominantly insoluble polyureas which appear to be stable. In the atmospheric environment, material is expected to have a short tropospheric half-life, based on calculations and by analogy with related diisocyanates.

Additional Ecological Effects: Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. Disposal Considerations

Waste Disposal Method: Discard any product, residue, disposable container or liner in accordance with federal, state and local regulations. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

14. Transport Information

DOT (Department of Transportation): Not Regulated

Proper Shipping Name: Not applicable

Hazard Class: Not applicable

Identification Number: Not applicable

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): Methylenebis(phenyl isocyanate) (MDI)

TSCA (Toxic Substances Control Act): Ingredients of this product are on the Inventory list.

State Hazardous Substance Lists:

CAS # 101-68-8: PA, MA, NJ

16. Other Information

Reason for Issue: Reviewed, changes to Sections 11 & 16

Prepared by: Dale Gatehouse, Entreprises Krenda Inc.

Approved by: Lisa Baxter, New Pig Corporation

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