Safety Data Sheet

Issue Date: 05-Apr-2022 **Revision Date:** 14-Apr-2022 **Version** 1

1. IDENTIFICATION

Product identifier

Product Name PIG Pipe Wrap

Other means of identification

SDS # MSD-170

Recommended use of the chemical and restrictions on use

Recommended 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.

Details of the supplier of the safety data sheet

Supplier Address

New Pig Corporations
One Pork Avenue
Tipton, PA 16684-0304
Information: 1-800-468-4647
Email: hothogs@newpig.com
Website: www.newpig.com

Emergency telephone number

Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Fiberglass cloth coated with viscous resin **Physical state** Solid **Odor** Pungent

Classification

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 2

Signal Word

Danger

Hazard statements

Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
Suspected of causing cancer
May cause damage to organs through prolonged or repeated exposure

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
In case of inadequate ventilation wear respiratory protection
Contaminated work clothing must not be allowed out of the workplace
Wear protective gloves
Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response
If exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of water and soap
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

Precautionary Statements - Storage
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Fiberglass (Fibrous Glass)	65997-17-3	65-70
Methylenediphenyl diisocyanate	26447-40-5	10-25
Methylenediphenyl diisocyanate homopolymer	39310-05-9	3-8

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact — Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing with lukewarm water for 15 minutes, holding eyelids open all the time. Seek medical advice if irritation persists.

Skin Contact — Remove contaminated clothing and 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.

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.

Ingestion Not normally required. 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.

Most important symptoms and effects, both acute and delayed

Symptoms Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical, foam, CO2, water fog or fine spray.

Unsuitable Extinguishing Media Do not use direct water stream, may spread fire.

Specific Hazards Arising from the Chemical
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.

Hazardous combustion products Oxides of nitrogen and carbon, traces of HCN, MDI vapors or aerosols. Dense smoke is produced when product burns.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up 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

Precautions for safe handling

Advice on Safe Handling May stick to skin causing irritation upon removal. Prevent direct skin and eye contact. Do not breathe aerosols or vapors. Wash thoroughly after handling, especially before eating,

drinking, smoking and using restroom. Wash contaminated gloves. Launder contaminated clothing before reuse. Ensure good ventilation.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store between 64°-86°F (18°-30°C) in a cool, dry, well ventilated area. Keep away from humidity and water. Keep container tightly closed and sealed until ready to use. Shelf Life: 1+ years if unopened.

Packaging Materials The container can be hazardous when empty. Follow label cautions even after the container is empty. Do not reuse empty containers for food, clothing or products for human or animal consumption, or where skin contact can occur.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Fiberglass (Fibrous Glass) 65997-17-3	TWA: 1 fiber/cm3 respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination TWA: 5 mg/m^3 inhalable particulate matter	-	-
Methylenediphenyl diisocyanate 26447-40-5	-	Ceiling: 0.02 ppm Ceiling: 0.2 mg/m^3	-

Appropriate engineering controls

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

Individual protection measures, such as personal protective equipment

Eye/Face Protection Goggles or safety glasses.

Skin and Body Protection 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. Protective clothing to avoid skin contact.

Respiratory Protection Use as necessary to reduce exposure below limits.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid		
Appearance	Fiberglass cloth coated with viscous resin	**Odor**	Pungent
Color	Not determined	**Odor Threshold**	Not determined

Property	Values	Remarks • Method
pH	Not determined	
Melting point / freezing point	Not determined	

Boiling point / boiling range	Not determined	
Flash point	188 °C / 370 °F	Pensky-Martens Closed Cup (PMCC)
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper flammability or explosive limits	Not determined	
Lower flammability or explosive limits	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density	2.5 (glass cloth)	
Water Solubility	Insoluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

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

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

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

Conditions to Avoid
Avoid contact with water until ready to activate for use. Avoid temperatures above 105°F (41°C) and below 75°F (24°C).

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

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

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Harmful if inhaled.

Ingestion Do not ingest.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Methylenediphenyl diisocyanate 26447-40-5	> 10000 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	= 490 mg/m^3 (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Carcinogenicity Suspected of causing cancer.

Chemical name	ACGIH	IARC	NTP	OSHA
Fiberglass (Fibrous Glass) 65997-17-3		Group 3		X
Methylenediphenyl diisocyanate 26447-40-5		Group 3		X

Legend

IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 10,010.00 mg/kg
Dermal LD50 10,010.00 mg/kg
ATEmix (inhalation-dust/mist) 5.01 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Chemical name	Partition coefficient
Methylenediphenyl diisocyanate 26447-40-5	4.5

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Fiberglass (Fibrous Glass)	X	ACTIVE	X	X	X	X	X	X	X
Methylenediphenyl diisocyanate	X	ACTIVE	X	X	X	X	X	X	X
Methylenediphenyl diisocyanate homopolymer	X	ACTIVE	X		X	X	X	X	X

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*

EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

ENCS *- Japan Existing and New Chemical Substances*

IECSC *- China Inventory of Existing Chemical Substances*

KECL *- Korean Existing and Evaluated Chemical Substances*

PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
Methylenediphenyl diisocyanate - 26447-40-5	26447-40-5	10-25	1.0

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Methylenediphenyl diisocyanate 26447-40-5	X		

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	Not determined	Not determined	Not determined	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical hazards**	**Personal Protection**
	Not determined	Not determined	Not determined	Not determined

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Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet