



SAFETY DATA SHEET

RECTORSEAL® PIPE REPAIR KIT

Quick-fix pipe repair system

SECTION 1 – PRODUCT AND COMPANY INFORMATION

Product Name

RectorSeal® Pipe Repair Kit

Product Codes

82112, 82119

Chemical Family

Organic/Inorganic

Use

Pipe wrap

Manufacturer's Name

The RectorSeal Corporation
2601 Spenwick Drive
Houston, Texas 77055 USA

Date of Validation

January 23, 2015

Date of Preparation

March 5, 2013

HMIS Codes

Health	2
Flammability	1
Reactivity	0
PPI	B

Emergency Telephone No.

Chemtrec 24 Hours
(800)-424-9300 USA
(703)-527-3887 International

Technical Service Telephone No.

(800)-231-3345 or (713)-263-8001

SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

OSHA Hazards

None

GHS CLASSIFICATION

Physical Hazards:

None

Health Hazards

Acute Toxicity:

Oral: Not Classified
Dermal: Not Classified
Inhalation: Not Classified
Skin Corrosion/Irritation: Not Classified
Serious Eye Damage/Eye Irritation: Not Classified
Respiratory or Skin Sensitization: Not Classified
Germ Cell Mutagenicity: Not Classified

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Carcinogenicity: Not Classified
Reproductive Toxicology: Not Classified
Target Organ Systemic Toxicity - Single Exposure: Not Classified
Target Organ Systemic Toxicity - Repeated Exposure: Not Classified

Aspiration Toxicity: Not Classified

GHS Label elements, including precautionary statements

Pictogram: None

Signal Word: None

Hazard Statements:

None

Precautionary Statements:

P102 - Keep out of reach of children.

P262 - Do not get in eyes, on skin, or on clothing.

P264 - Wash hands thoroughly after handling.

P281 Use personal protective equipment as required.

Summary Of Acute Hazards

Prolonged skin or eye exposure may cause irritation, sensitization.

Route Of Exposure, Signs And Symptoms

INHALATION

N/A

EYE CONTACT

May cause slight eye irritation.

SKIN CONTACT

None known.

INGESTION

May cause nausea

SUMMARY OF CHRONIC HAZARDS

None known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None known.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient:	Isocyanate 4,4' diphenyl methane diisocyanate
Percentage by weight:	56
CAS Number:	N/D
EC#:	N/D

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Ingredient: Tertiary amine
Percentage by weight: 2
CAS Number: N/D
EC#: N/D

Ingredient: Benzoyl chloride
Percentage by weight: < 1
CAS Number: N/D
EC#: N/D

Ingredient: Hydroxyl terminated polymer
Percentage by weight: 42
CAS Number: N/D
EC#: N/D

Ingredient: Silicon
Percentage by weight: < 1
CAS Number: N/D
EC#: N/D

Ingredient: Fiberglass knit fabric
Percentage by weight: 84.5
CAS Number: N/D
EC#: N/D

Ingredient: Sizing/Binder
Percentage by weight: 1-22
CAS Number: N/D
EC#: N/D

Ingredient: Surface Binder
Percentage by weight: 0-6
CAS Number: N/D
EC#: N/D

Ingredient: Water
Percentage by weight: 0-15
CAS Number: 7732-18-5
EC#: 231-791-2

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SECTION 4 – FIRST AID MEASURES

- If inhaled: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.
- If on skin: Use a rag to remove excess from skin and remove contaminated clothing. Use of mild solvent, such as acetone (nail polish remover) or mineral spirits, may help in removing uncured residue from clothing or other surfaces (avoid eye contact). Cured resin may be physically removed by persistent washing with soap and water. If irritation develops, use mild skin cream. If it persists, obtain medical attention.
- If in eyes: Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.
- If swallowed: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Dry chemical, carbon dioxide, halon 1211, chemical foam, or water spray if used in large quantities (water contamination will produce carbon dioxide).

Special Fire Fighting Procedures: Wear self-contained breathing apparatus (SCBA) and other protective clothing.

Unusual Fire And Explosion Hazards: At high temperatures MDI vapors (diphenylmethane Diisocyanate) may occur; pressure and explosion hazards are also present at high temperatures in closed containers. Hazardous gases generated.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: If package splits or breaks, ensure ventilation is adequate to prevent build up of potentially harmful vapors. Scrape up material and place into container for disposal. Decontaminate area and equipment with dilute ammonia and detergent. Mix additional absorbent into spill and dispose.

SECTION 7 – HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storing: Store in a cool, dry, well-ventilated area out of direct sunlight. Store away from all heat sources. Optimum storage conditions 68°F – 86°F. For best results, rotate stock.

Other Precautions: Removal with oscillating saws without adequate ventilation will potentially cause irritant dusts to be generated into atmosphere. The use of shears is recommended to remove old product from pipes so as to minimize dust formation.

KEEP OUT OF REACH OF CHILDREN.

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SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	Units
Isocyanate 4,4' diphenyl methane diisocynate and higher oligomers	
ACGIH TLV:	0.55 mg/m ³
OSHA PEL:	0.2 mg/m ³
Tertiary amine	
ACGIH TLV:	N/D ppm
OSHA PEL:	N/D ppm
Benzoyl chloride	
ACGIH TLV:	N/D ppm
OSHA PEL:	N/D ppm
Hydroxyl terminated polymer	
ACGIH TLV:	N/D
OSHA PEL:	N/D
Silicon	
ACGIH TLV:	N/D
OSHA PEL:	N/D
Fiberglass knit fabric	
ACGIH TLV:	N/D
OSHA PEL:	N/D
Sizing/Binder	
ACGIH TLV:	N/D
OSHA PEL:	N/D
Surface Binder	
ACGIH TLV:	N/D
OSHA PEL:	N/D
Water	
ACGIH TLV:	N/D
OSHA PEL:	N/D

Respiratory Protection (Specify Type): NIOSH/MSHA supplied air / SCBA if TLV exceeded.

Ventilation – Local Exhaust: Acceptable.

Special: N/A

Mechanical (General): Acceptable

Other: N/A

Protective Gloves: Wear rubber gloves.

Eye Protection: Safety glasses (ANSI Z-87.1 or equivalent)

Other Protective Clothing Or Equipment: Tyvek coveralls recommended.

Work/Hygienic Practices: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling point:	N/A
Specific gravity (H ₂ O = 1):	1.1 (resin)
Vapor pressure (mmHg):	< 10.5
Melting point:	590°F (decomposes)
Freezing point:	50°F
Vapor Density (Air = 1):	N/A
Evaporation rate (Ethyl Acetate = 1):	N/A
Appearance/Odor:	Fiberglass tape coated with a viscous liquid/Aromatic
Solubility in water:	Insoluble
Volatile Organic Compounds (VOC) Content (theoretical percentage by weight):	0% or (0 g/L)
Flash point:	300°F (572°C)
Lower explosion limit:	N/D
Upper explosion limit:	N/D

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: Heat above 200°F.

Incompatibility (Materials To Avoid): Moisture (water), amines, strong bases and alcohols.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, HCN, MDI, Nox.

Hazardous Polymerization: MDI can polymerize and/or decompose and pressure buildup.

SECTION 11 – TOXICOLOGY INFORMATION

Chronic Health Hazards

No ingredient in this product is an IARC, NTP or OSHA Listed carcinogen.

Toxicology Data

Ingredient Name

Isocyanate 4,4 diphenyl methane diisocyanate and higher oligomers

Oral-Rat LD50: > 10,000 mg/kg

Inhalation-Rat LC50: 490 mg/cu. m

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SECTION 12 – ECOLOGICAL INFORMATION

Ecological Data

	Ingredient Name:	
Food Chain Concentration Potential		N/D
Waterfowl Toxicity		N/D
	BOD	N/D
Aquatic Toxicity		N/D

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Classification: Non-regulated solid waste

Disposal Method: Dispose of all waste in accordance with all local, state and federal regulations.

SECTION 14 – TRANSPORTATION INFORMATION

DOT:	Non-regulated
Ocean (IMDG):	Non-regulated
Air (IATA):	Non-regulated
WHMIS (Canada):	Non-regulated

SECTION 15 – REGULATORY INFORMATION

Regulatory Data

	Ingredient Name:	
SARA 313		No
TSCA Inventory		All components listed
CERCLA RQ		N/A
RCRA Code		N/A

SECTION 16 – OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made.

Consult RectorSeal for further information: (713) 263-8001