

## SAFETY DATA SHEET

SDS 0621

## Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	RectorSeal Pipe Repair Kit	HMIS CODES	
		Health	2
		Flammability	1
		Reactivity	0
PRODUCT CODES	82112, 82119	PPI	B
CHEMICAL FAMILY	Organic/Inorganic		
USE	Pipe Wrap		
MANUFACTURER'S NAME	The RectorSeal Corporation	EMERGENCY TELEPHONE NO.	
	2601 Spenwick Drive	Chemtrec 24 Hours	
	Houston, Texas 77055 USA	(800)424-9300 USA	
		(703)527-3887 International	
DATE OF VALIDATION	January 23, 2015	TECHNICAL SERVICE TELEPHONE NO.	
DATE OF PREPARATION	March 5, 2013	(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  
 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#: N/D

EC#: N/D

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INGREDIENT: Tertiary amine  
PERCENTAGE BY WEIGHT: 2  
CAS#: N/D  
EC#: N/D  
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INGREDIENT: Benzoyl chloride  
PERCENTAGE BY WEIGHT: <1  
CAS#: N/D  
EC#: N/D  
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INGREDIENT: Hydroxyl terminated polymer  
PERCENTAGE BY WEIGHT: 42  
CAS#: N/D  
EC#: N/D  
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INGREDIENT: Silicon  
PERCENTAGE BY WEIGHT: <1  
CAS#: N/D  
EC#: N/D  
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INGREDIENT: Fiberglass knit fabric  
PERCENTAGE BY WEIGHT: 84.5  
CAS#: N/D  
EC#: N/D  
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INGREDIENT: Sizing/Binder  
PERCENTAGE BY WEIGHT: 1-22  
CAS#: N/D  
EC#: N/D  
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INGREDIENT: Surface Binder  
PERCENTAGE BY WEIGHT: 0-6  
CAS#: N/D  
EC#: N/D  
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INGREDIENT: Water  
PERCENTAGE BY WEIGHT: 0-15  
CAS#: 7732-18-5  
EC#: 231-791-2  
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Section 4 -- FIRST AID MEASURES  
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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.

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Section 5 -- FIRE FIGHTING MEASURES  
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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 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.

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Section 6 -- ACCIDENTAL RELEASE MEASURES  
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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.

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

Isocyanate 4,4 diphenyl methane diisocyanate and higher oligomers

	ACGIH TLV	0.55 mg/m3
	OSHA PEL	0.2 mg/m3
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.

Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

SPECIFIC GRAVITY (H2O = 1): 1.1 (resin)

VAPOR PRESSURE (mm Hg): <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

FLASH POINT: > 300 F (572 C)

LOWER EXPLOSION LIMIT: N/D

UPPER EXPLOSION LIMIT: N/D

VOLATILE ORGANIC COMPOUNDS(VOC)Content

(Theoretical Percentage By Weight): 0% or (0 g/L)

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.

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Section 11 -- TOXICOLOGY INFORMATION  
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CHRONIC HEALTH HAZARDS

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

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TOXICOLOGY DATA

Ingredient Name

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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  
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ECOLOGICAL DATA

Ingredient Name

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Food Chain Concentration Potential: N/D  
Waterfowl Toxicity: N/D  
BOD: N/D  
Aquatic Toxicity: N/D  
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Section 13 -- DISPOSAL CONSIDERATIONS  
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Waste Classification: Non-Regulated Solid Waste  
Disposal Method: Dispose of all waste in accordance with all local, state and federal regulations.

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Section 14 -- TRANSPORTATION INFORMATION  
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DOT: Non-Regulated  
OCEAN (IMDG): Non-Regulated  
AIR (IATA): Non-Regulated  
WHMIS (CANADA): Non-Regulated  
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Section 15 -- REGULATORY INFORMATION  
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REGULATORY DATA

Ingredient Name

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SARA 313                   No  
TSCA Inventory           All components listed  
CERCLA RQ                N/A  
RCRA Code                N/A  
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Section 16 -- OTHER INFORMATION  
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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