

SAFETY DATA SHEET

SDS 0621

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Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

	HMIS CODES
PRODUCT NAME RectorSeal Pipe Repair Kit	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 2601 Spenwick Drive Houston, Texas 77055 USA	EMERGENCY TELEPHONE NO. Chemtrec 24 Hours (800)424-9300 USA (703)527-3887 International
DATE OF VALIDATION January 23, 2015	TECHNICAL SERVICE TELEPHONE NO. (800)231-3345 or (713)263-8001
DATE OF PREPARATION March 5, 2013	

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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.

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Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS
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INGREDIENT: Isocyanate 4,4 diphenyl methane diisocyanate

PERCENTAGE BY WEIGHT: 56

CAS#: N/D

EC#: N/D

INGREDIENT: Tertiary amine

PERCENTAGE BY WEIGHT: 2

CAS#: N/D

EC#: N/D

INGREDIENT: Benzoyl chloride

PERCENTAGE BY WEIGHT: <1

CAS#: N/D

EC#: N/D

INGREDIENT: Hydroxyl terminated polymer

PERCENTAGE BY WEIGHT: 42

CAS#: N/D

EC#: N/D

INGREDIENT: Silicon

PERCENTAGE BY WEIGHT: <1

CAS#: N/D

EC#: N/D

INGREDIENT: Fiberglass knit fabric

PERCENTAGE BY WEIGHT: 84.5

CAS#: N/D

EC#: N/D

INGREDIENT: Sizing/Binder

PERCENTAGE BY WEIGHT: 1-22

CAS#: N/D

EC#: N/D

INGREDIENT: Surface Binder

PERCENTAGE BY WEIGHT: 0-6

CAS#: N/D

EC#: N/D

INGREDIENT: Water

PERCENTAGE BY WEIGHT: 0-15

CAS#: 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.

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 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 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

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.

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 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.

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 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

Sizing/Binder	OSHA PEL	N/D
	ACGIH TLV	N/D
Surface Binder	OSHA PEL	N/D
	ACGIH TLV	N/D
Water	OSHA PEL	N/D
	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 (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)

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 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

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
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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.
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Section 14 -- TRANSPORTATION INFORMATION

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

REGULATORY DATA
Ingredient Name

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

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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