

## SAFETY DATA SHEET

SDS 0192

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Section 1 -- PRODUCT AND COMPANY IDENTIFICATION  
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	HMIS CODES	
PRODUCT NAME	Health	1
RectorSeal EP-200 / EP-400 Epoxy Putty	Flammability	0
	Reactivity	0
PRODUCT CODES	PPI	B
97600, 97601, 97602, 97606, 97620, 97621		
CHEMICAL FAMILY		
Organic/Inorganic		
USE		
Epoxy Adhesive		
MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.	
The RectorSeal Corporation	Chemtrec 24 Hours	
2601 Spenwick Drive	(800)424-9300 USA	
Houston, Texas 77055 USA	(703)527-3887 International	
DATE OF VALIDATION	TECHNICAL SERVICE TELEPHONE NO.	
January 23, 2015	(800)231-3345 or (713)263-8001	
DATE OF PREPARATION		
July 19, 2012		

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Section 2 -- HAZARDS IDENTIFICATION  
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## 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

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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.

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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: DMP

PERCENTAGE BY WEIGHT: --

CAS#: 90-72-2

EC#: 202-013-9

INGREDIENT: Epoxy Resin

PERCENTAGE BY WEIGHT: --

CAS#: 25068-38-6

EC#: 500-033-5

INGREDIENT: Mercaptan Terminated Polymer

PERCENTAGE BY WEIGHT: --

CAS#: Trade Secret

EC#: --

Section 4 -- FIRST AID MEASURES

If INHALED: N/A

If on SKIN: Wash with soap and water.

If in EYES: Flush eyes with large amounts of water.

Get medical attention if irritation persists.

If SWALLOWED: Give large amounts of water. Seek medical attention.

Section 5 -- FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray, foam, CO2, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Scrape up excess material to prevent footing hazard. Discard in trash.

Section 7 -- HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in dry place.

OTHER PRECAUTIONS: Avoid contact with skin or clothing.

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT	UNITS
DMP	

ACGIH TLV	N/D
OSHA PEL	N/D

Epoxy Resin

ACGIH TLV	N/D
OSHA PEL	N/D

Mercaptan Terminated Polymer

ACGIH TLV        N/D  
 OSHA PEL        N/D

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 RESPIRATORY PROTECTION (SPECIFY TYPE): None required.  
 VENTILATION - LOCAL EXHAUST: N/A  
 SPECIAL: N/A  
 MECHANICAL (GENERAL): N/A  
 OTHER: N/A  
 PROTECTIVE GLOVES: Wear rubber gloves.  
 EYE PROTECTION: Safety glasses (ANSI Z-87.1 or equivalent)  
 OTHER PROTECTIVE CLOTHING OR EQUIPMENT: 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  
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BOILING POINT: N/A  
 SPECIFIC GRAVITY (H2O = 1): 1.9  
 VAPOR PRESSURE (mm Hg): N/A  
 MELTING POINT: N/D  
 VAPOR DENSITY (AIR = 1): N/A  
 EVAPORATION RATE (ETHYL ACETATE = 1): N/A  
 APPEARANCE/ODOR: Gray, White, or Bronze/Mercaptan Odor  
 SOLUBILITY IN WATER: Insoluble  
 FLASH POINT: None  
 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  
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STABILITY: Stable  
 CONDITIONS TO AVOID: None  
 INCOMPATIBILITY (MATERIALS TO AVOID): None known  
 HAZARDOUS DECOMPOSITION PRODUCTS: None known  
 HAZARDOUS POLYMERIZATION: Will not occur.

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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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DMP	Oral-Rat LD50:N/D Inhalation-Rat LC50:N/D
Epoxy Resin	Oral-Rat LD50:N/D Inhalation-Rat LC50:N/D
Mercaptan Terminated Polymer	Oral-Rat LD50:N/D Inhalation-Rat LC50:N/D

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 Section 12 -- Ecological Information  
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ECOLOGICAL DATA  
 Ingredient Name  
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DMP	Food Chain Concentration Potential	N/D
	WATERFOWL TOXICITY	N/D

	BOD	N/D
	AQUATIC TOXICITY	N/D
Epoxy Resin	Food Chain Concentration Potential	N/D
	WATERFOWL TOXICITY	N/D
	BOD	N/D
	AQUATIC TOXICITY	N/D
Mercaptan Terminated Polymer	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: Approved landfill  
Waste from this product is not considered hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

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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

DMP	SARA 313	No
	TSCA Inventory	Yes
	CERCLA RQ	N/A
	RCRA Code	N/A
Epoxy Resin	SARA 313	No
	TSCA Inventory	Yes
	CERCLA RQ	N/A
	RCRA Code	N/A
Mercaptan Terminated Polymer	SARA 313	No
	TSCA Inventory	Yes
	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

# MATERIAL SAFETY DATA SHEET- **RectorSeal® EP-200 / EP-400 Epoxy Putty**

MSDS0192  
Ver. No.1  
Ver. Date April 29, 2002

HMIS RATINGS      Health: 1      Fire: 0      Reactivity: 0      Personal Protection Index: B

## **SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** RectorSeal® EP-200 / EP-400 Epoxy Putty  
**PRODUCT CODES:** 97600, 97601, 97602, 97606, 97620, 97621  
**CHEMICAL FAMILY:** Organic  
**USE:** Epoxy Adhesive  
**MANUFACTURER / SUPPLIER**  
RectorSeal  
2601 Spenwick Drive  
Houston, Texas 77055 USA

**EMERGENCY TELEPHONE NUMBERS:**  
Chemtrec 24 hours: (800) 424-9300  
RectorSeal: (713) 263-8001

**NON-EMERGENCY TELEPHONE NUMBERS:**  
Technical Service: (800) 231-3345

## **SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS**

<b><u>HAZARDOUS COMPONENTS</u></b>	<b><u>CAS NO.</u></b>	<b><u>Wt%</u></b>	<b><u>OSHA PEL</u></b>	<b><u>ACGIH TLV</u></b>	<b><u>OTHER LIMITS</u></b>
DMP	90-72-2	--	N/D	N/D	N/D
Epoxy Resin	25068-38-6	--	N/D	N/D	N/D
Mercaptan Terminated Polymer	Trade Secret	--	N/D	N/D	N/D

## **SECTION 3 HAZARDS IDENTIFICATION**

**SUMMARY OF ACUTE HAZARDS**      Prolonged skin or eye exposure may cause irritation, sensitization.

<b><u>ROUTE OF EXPOSURE</u></b>	<b><u>SIGNS AND SYMPTOMS</u></b>	<b><u>PRIMARY ROUTE(S)</u></b>
<b>INHALATION:</b>	N/A	No
<b>EYE CONTACT:</b>	Severe irritation.	Yes
<b>SKIN CONTACT:</b>	May cause irritation.	Yes
<b>INGESTION:</b>	Nausea.	Yes

**SUMMARY OF CHRONIC HAZARDS:** Prolonged skin or eye exposure may cause irritation, sensitization.  
**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** N/A

## **SECTION 4 FIRST AID MEASURES**

**INHALATION:** N/A  
**EYE CONTACT:** Flush with large amounts of water for 15 minutes. Seek medical attention.  
**SKIN CONTACT:** Wash with soap and water. If irritation persists, seek medical attention.  
**INGESTION:** Give large amounts of water. Induce vomiting. If unconscious, do not give anything by mouth or induce vomiting. Seek medical attention.

## **SECTION 5 FIRE FIGHTING MEASURES**

**FLASH POINT:** N/A      **FLAMMABILITY LIMITS:** LEL: N/A UEL: N/A  
**EXTINGUISHING MEDIA:** Water spray, foam, CO<sub>2</sub>, dry chemical.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear SCBA and protective clothing.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** May generate toxic or irritating fumes.

## **SECTION 6 ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Pick up spilled paste to prevent disposal in sewers, waterways, or soil. Wear chemical resistant gloves.

## **SECTION 7 STORAGE AND HANDLING**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Keep container closed and upright when not in use. Do not store near heat, sparks, or open flames.  
**OTHER PRECAUTIONS:** Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain product residues and vapors; treat as if full and observe all product precautions. Do not reuse empty containers. **KEEP OUT OF REACH OF CHILDREN.**

## **SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION (SPECIFY TYPE):** None.  
**VENTILATION – LOCAL EXHAUST:** Acceptable      **SPECIAL:** N/A  
**MECHANICAL (GENERAL):** N/A      **OTHER:** N/A  
**PROTECTIVE GLOVES:** Polyethylene      **EYE PROTECTION:** Goggles  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** N/A  
**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.

# MATERIAL SAFETY DATA SHEET- RectorSeal® EP-200 / EP-400 Epoxy Putty

MSDS0192  
Ver. No.1  
Ver. Date April 29, 2002

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/D  
VAPOR PRESSURE (mm Hg): N/D  
VAPOR DENSITY (AIR = 1): N/D  
SOLUBILITY IN WATER: Negligible

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.9  
MELTING POINT: N/D  
EVAPORATION RATE (ETHYL ACETATE = 1): N/D  
APPEARANCE/ODOR: Gray, White, or Bronze Semi-Solid / Slight Mercaptan

## SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable.  
CONDITIONS TO AVOID: None.  
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizers.  
HAZARDOUS DECOMPOSITION PRODUCTS: Aldehydes, acids, CO, sulfur oxides.  
HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION 11 TOXICOLOGY INFORMATION

CARCINOGENICITY: NTP: No IARC MONOGRAPHS: No OSHA REGULATED: No

<u>SUBSTANCE</u>	<u>LD50</u>	<u>LC50</u>
DMP	N/D	N/D
Epoxy Resin	N/D	N/D
Mercaptan Terminated Polymer	N/D	N/D

## SECTION 12 ECOLOGICAL INFORMATION

<u>SUBSTANCE</u>	<u>FOOD CHAIN</u>			
	<u>CON POTENTIAL</u>	<u>WATERFOWL TOXICITY</u>	<u>BOD</u>	<u>AQUATIC TOXICITY</u>
DMP	N/D	N/D	N/D	N/D
Epoxy Resin	N/D	N/D	N/D	N/D
Mercaptan Terminated Polymer	N/D	N/D	N/D	N/D

## SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of absorbed materials and liquid 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

<u>SUBSTANCE</u>	<u>SARA 313</u>	<u>TSCA INVENTORY</u>	<u>CERCLA RQ</u>	<u>RCRA CODE</u>
DMP	No	Yes	N/A	N/A
Epoxy Resin	No	Yes	N/A	N/A
Mercaptan Terminated Polymer	No	Yes	N/A	N/A

## SECTION 16 OTHER INFORMATION

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