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Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

	HMIS CODES	
PRODUCT NAME	Health	2
RectorSeal Hi-Temp 100% RTV Silicone Sealant	Flammability	1
	Reactivity	1
PRODUCT CODES	PPI	B
57500		
CHEMICAL FAMILY:		
Organic/Inorganic		
USE		
RTV Silicone Sealant		
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		
March 6, 2013		

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Section 2 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

OSHA Hazards

Irritant

GHS Classification

Acute toxicity, Oral (Category 5)

Skin irritation (Category 2)

Eye irritation (Category 2A)

Specific target organ toxicity - single exposure (Category 3)

GHS Label elements, including precautionary statements

Pictogram: Irritant

Signal Word: Warning

Hazard statement(s)

H303 - May be harmful if swallowed.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

Precautionary statement(s)

P260 - Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/ protective clothing.

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P307 + P311 - IF exposed: Call a POISON CENTER or doctor/ physician.

SUMMARY OF ACUTE HAZARDS

Vapor evolved during product curing may be irritating to nose and throat.
Eye contact may cause intense Irritation and injury. May cause skin irritation.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS
INHALATION

Irritation to respiratory system from vapor evolved during product curing.

EYE CONTACT

Contact may cause intense irritation and injury.

SKIN CONTACT

May cause skin irritation.

INGESTION

May cause gastrointestinal distress.

SUMMARY OF CHRONIC HAZARDS

Repeated contact may cause dermatitis, eye irritation, or bronchitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

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Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS
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INGREDIENT: Methyltriacetoxysilane

PERCENTAGE BY WEIGHT: 2

CAS NUMBER: 4253-34-3

EC# : 224-221-9

INGREDIENT: Ethyltriacetoxysilane

PERCENTAGE BY WEIGHT: 2

CAS NUMBER: 17689-77-9

EC# : N/D

INGREDIENT: Silica

PERCENTAGE BY WEIGHT: 10

CAS NUMBER: 7631-86-9

EC# : 262-373-8
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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: Wash with soap and water. Remove contaminated clothing. If irritation occurs, seek medical attention.

If in EYES: Immediately flush with large amounts of water for at least 15 minutes. Get prompt medical attention.

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

Foam, dry chemical, carbon dioxide or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10).

UNUSUAL FIRE AND EXPLOSION HAZARDS: None
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Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Scrape up spills To prevent footing hazard. Avoid flushing into sewers, drains, waterways and soil. Wear protective clothing during clean up.

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Section 7 -- HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in cool place. Keep container closed and upright when not in use.

OTHER PRECAUTIONS: Provide adequate ventilation during use to keep ambient air acetic vapor concentration below TLV or use respirator protection.

COMMENT: When heated to temperatures above 302F(150C) in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard; a known skin and respiratory sensitizer; and an irritant to the eyes, nose, throat, skin, and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible exposure limit for formaldehyde. Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all products precautions. Do not reuse empty containers.

KEEP OUT OF REACH OF CHILDREN.

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT UNITS

Methyltriacetoxysilane

ACGIH TLV 10 ppm

OSHA PEL 10 ppm

Ethyltriacetoxysilane

ACGIH TLV 10 ppm

OSHA PEL 10 ppm

Silica

ACGIH TLV 10 mg/m3

OSHA PEL 6 mg/m3

COMMENT: TVL for acetoxysilane based on acetic acid formed during curing on exposure to water, moisture, or humid air. Observe limits for acetic acid, formed during curing on exposure to water or humid air.

OSHA PEL: TWA 10 ppm. ACGIH TLV: TWA 10 ppm, STEL 15 ppm.

RESPIRATORY PROTECTION (SPECIFY TYPE): In confined, poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirators until vapors from cured product have dissipated.

VENTILATION - LOCAL EXHAUST: Maintain air flow during application.

SPECIAL: N/A

MECHANICAL (GENERAL): Acceptable.

OTHER: N/A

PROTECTIVE GLOVES: Coveralls recommended.

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.

Laundry contaminated clothing before reuse.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 212 F (100 C) @ 760mm Hg

SPECIFIC GRAVITY (H2O = 1): 1.04

VAPOR PRESSURE (mm Hg): < 5mm Hg

MELTING POINT: N/A

VAPOR DENSITY (AIR = 1): N/A

EVAPORATION RATE (ETHYL ACETATE = 1): N/A

APPEARANCE/ODOR: Paste / Acetic Acid Vinegar Odor
 SOLUBILITY IN WATER: Insoluble
 VOLATILE ORGANIC COMPOUNDS(VOC)Content
 (Theoretical Percentage By Weight): 32 g/L
 FLASH POINT: None
 LOWER EXPLOSION LIMIT: N/D
 UPPER EXPLOSION LIMIT: N/D

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 Section 10 -- STABILITY AND REACTIVITY

STABILITY: Stable
 CONDITIONS TO AVOID: Exposure to air or moisture until ready to use.
 INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing material can cause a reaction.
 Air or moisture causes curing and acetic acid vapor forms.
 HAZARDOUS DECOMPOSITION PRODUCTS: Silicone dioxide, carbon dioxide, and
 traces on incompletely burned carbon products, including formaldehyde.
 HAZARDOUS POLYMERIZATION: Will not occur.

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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

 Methyltriacetoxysilane
 Oral-Rat LD50:2060 mg/kg
 Inhalation-Rat LC50:N/D
 Ethyltriacetoxysilane
 Oral-Rat LD50:N/D
 Inhalation-Rat LC50:N/D
 Silica
 Oral-Rat LD50:N/D
 Inhalation-Rat LC50:N/D

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 Section 12 -- Ecological Information

ECOLOGICAL DATA
 Ingredient Name

 Methyltriacetoxysilane
 FOOD CHAIN CONCENTRATION POTENTIAL N/D
 WATERFOWL TOXICITY N/D
 BOD N/D
 AQUATIC TOXICITY N/D
 Ethyltriacetoxysilane
 FOOD CHAIN CONCENTRATION POTENTIAL N/D
 WATERFOWL TOXICITY N/D
 BOD N/D
 AQUATIC TOXICITY N/D
 Silica
 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: 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

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

Methyltriacetoxysilane	SARA 313	No
	TSCA Inventory	Yes
	CERCLA RQ	N/A
	RCRA Code	N/A
Ethyltriacetoxysilane	SARA 313	Yes
	TSCA Inventory	Yes
	CERCLA RQ	1000 lbs.
	RCRA Code	N/A
Silica	SARA 313	Yes
	TSCA Inventory	Yes
	CERCLA RQ	100 lbs.
	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

MATERIAL SAFETY DATA SHEET

MSDS 0546

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		Reactivity	1
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Organic/Inorganic			
USE			
RTV Silicone Sealant			
MANUFACTURER'S NAME		EMERGENCY TELEPHONE NO.	
The RectorSeal Corporation		Chemtrec 24 Hours	
2601 Spenwick Drive		(800) 424-9300	
Houston, Texas 77055 USA			
DATE OF PREPARATION		TECHNICAL SERVICE TELEPHONE NO.	
November 20, 2002		(800) 231-3345	

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 Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS
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		ACGIH TLV	10 ppm
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10	7631-86-9	Silica	
		ACGIH TLV	10 mg/m3
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If in EYES: Immediately flush with large amounts of water for at least 15 minutes. Get prompt medical attention.

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

FLASH POINT	LEL	UEL
None	N/D	N/D

EXTINGUISHING MEDIA

Foam, dry chemical, carbon dioxide or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10).

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

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 VAPOR DENSITY (AIR = 1): N/A
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 APPEARANCE/ODOR: Paste / Acetic Acid Vinegar Odor
 SOLUBILITY IN WATER: Insoluble

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 Ethyltriacetoxysilane
 FOOD CHAIN CONCENTRATION POTENTIAL N/D
 WATERFOWL TOXICITY N/D
 BOD N/D
 AQUATIC TOXICITY N/D
 Silica

FOOD CHAIN CONCENTRATION POTENTIAL	N/D
WATERFOWL TOXICITY	N/D
BOD	N/D
AQUATIC TOXICITY	N/D

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	CERCLA RQ	N/A
	RCRA Code	N/A
Ethyltriacetoxysilane		
	SARA 313	Yes
	TSCA Inventory	Yes
	CERCLA RQ	1000 lbs.
	RCRA Code	N/A
Silica		
	SARA 313	Yes
	TSCA Inventory	Yes
	CERCLA RQ	100 lbs.
	RCRA Code	N/A

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