

SAFETY DATA SHEET

SDS 0201

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 Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Health	1
Biotherm 100	Flammability	0
	Reactivity	0
PRODUCT CODES	PPI	B
66535, 66449		
CHEMICAL FAMILY		
Organic/Inorganic		
USE		
Firestopping 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.	
September 17, 2015	(800)231-3345 or (713)263-8001	
DATE OF PREPARATION		
September 17, 2015		

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 Section 2 -- HAZARDS IDENTIFICATION

GHS CLASSIFICATION

PHYSICAL HAZARDS: None

HEALTH HAZARDS

Eye irritation - Category 2B
 Skin irritation - Category 2
 Skin sensitization - Category 1B
 Carcinogenicity - Category 2

ENVIRONMENTAL HAZARDS

Hazardous to the Aquatic Environment: Not Classified
 Acute aquatic toxicity: Not Classified
 Chronic aquatic toxicity: Not Classified
 Bioaccumulation potential: Not Classified
 Rapid degradability: Not Classified

GHS Label elements, including precautionary statements

Pictogram: GHS 508 Health Hazard

Signal Word: Warning

Hazard Statements:

H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H319 - Causes eye irritation
 H351 - Suspected of causing cancer

Precautionary Statements:

P201 - Obtain special instructions before use
 P202 - Do not handle until all safety precautions have been read and understood.
 P261 - Avoid breathing dust, fume or vapors.
 P262 - Do not get in eyes, on skin or on clothing.
 P264 - Wash hands and other skin areas thoroughly after handling
 P271 - Use only outdoors or in a well-ventilated area.
 P272 - Contaminated work clothing should not be allowed out of the workplace
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352+P333+P313 If on skin: wash with plenty of soap and water.If skin irritation or rash occurs, get medical attention.
 P305+P351+P338 If in eyes: rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P308+P313 If exposed or concerned: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P321 Specific treatment: Seek immediate medical advice. Refer to product label and

Section 4 of this SDS.

P362 Take off contaminated clothing and wash it before reuse.

Storage: P405+P403 Store locked up. Store in a well-ventilated place.

Disposal: P501 Dispose of contents and container in accordance with applicable local, regional, national and international regulations

SUMMARY OF ACUTE HAZARDS

May cause skin/eye irritation and an allergic skin reaction.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION

Not known to be a respiratory irritant. Prolonged inhalation may be harmful.

EYE CONTACT

Contact may cause eye irritation.

SKIN CONTACT

Contact may cause skin irritation.

INGESTION

Possible irritation to mucous membranes of the mouth, throat, and stomach.

SUMMARY OF CHRONIC HAZARDS

None known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Persons with pre-existing skin conditions or chemical allergies may be more susceptible to contact effects of the cured elastomer.

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Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Amorphous Silica

PERCENTAGE BY WEIGHT: 3-7

CAS NUMBER: 7631-86-9

EC# : 231-545-4

INGREDIENT: Ketoxime Silane

PERCENTAGE BY WEIGHT: 3-7

CAS NUMBER: 22984-54-9

EC# : --

INGREDIENT: Calcium Carbonate

PERCENTAGE BY WEIGHT: 15-40

CAS NUMBER: 1317-65-3

EC# : 215-279-6

INGREDIENT: Carbon Black

PERCENTAGE BY WEIGHT: 0.1 - 1.0

CAS NUMBER: 1317-65-3

EC# : 215-609-9

INGREDIENT: Titanium Dioxide

PERCENTAGE BY WEIGHT: 0.1 - 1.0

CAS NUMBER: 13463-67-7

EC# : 236-675-5
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Section 4 -- FIRST AID MEASURES

If INHALED: Not a respiratory irritant.

If on SKIN: Wash with soap and water. If irritation occurs, seek medical attention.

If in EYES: Immediately flush with large amounts of water. If irritation occurs, seek 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: Heat may build up and rupture closed containers.

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Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe 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: Keep container closed and upright when not in use. To prevent freezing and possible rupture of container, do not store below 35 F.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues and vapors; treat as if full and observe all product precautions. Do not reuse empty containers. KEEP OUT OF REACH OF CHILDREN.

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT	UNITS
Amorphous Silica	
ACGIH TLV	N/D ppm
OSHA PEL	N/D ppm
Ketoxime Silane	
ACGIH TLV	N/D ppm
OSHA PEL	N/D ppm
Calcium Carbonate	
ACGIH TLV	10 mg/m ³
OSHA PEL	15 mg/m ³
Carbon Black	
NIOSH REL	3.5 mg/m ³
OSHA PEL	3.5 mg/m ³

RESPIRATORY PROTECTION (SPECIFY TYPE): None required.

VENTILATION - LOCAL EXHAUST: Acceptable

SPECIAL: N/A

MECHANICAL (GENERAL): Preferable

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

BOILING POINT:	Not available
SPECIFIC GRAVITY (H ₂ O = 1):	1.31 - 1.33
VAPOR PRESSURE (mm Hg):	Less than 5 mm Hg
MELTING POINT:	N/A
VAPOR DENSITY (AIR = 1):	N/A
EVAPORATION RATE (ETHYL ACETATE = 1):	>1
APPEARANCE/ODOR:	Viscous liquid, smooth self-levelling sealant
SOLUBILITY IN WATER:	Not available
VOLATILE ORGANIC COMPOUNDS(VOC)Content (Chemically Curing Sealants and Caulks - CARB Method 310: VOC less water, less exempt compounds and LVP-VOCs).	25 grams per liter, <3% by weight
FLASH POINT	None
LOWER EXPLOSION LIMIT	None
UPPER EXPLOSION LIMIT	None

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Section 10 -- STABILITY AND REACTIVITY

 STABILITY: Stable
 CONDITIONS TO AVOID: None
 INCOMPATIBILITY (MATERIALS TO AVOID): None known.
 HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2 and fragmented hydrocarbons.
 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. May cause an allergic skin reaction. Suspected of causing cancer. Although the carbon black (CAS# 1333-86-4) is encapsulated by the silicone sealant, prolonged overexposure to carbon black dust causes lung fibrosis. Although the titanium dioxide (CAS# 13463-67-7) is encapsulated by the silicone sealant, prolonged overexposure to titanium dioxide dust causes tightness pain in the chest, coughing and difficulty breathing. The curing vapor, Methyl Ethyl Ketoxime (CAS# 96-29-7), may cause drowsiness, injure blood, liver and may irritate or harm nose, throat, lungs and eyes. Direct contact with eyes will irritate. Direct contact with skin may irritate.

 TOXICOLOGY DATA

Ingredient Name

 Amorphous Silica

Oral-Rat LD50: 22,500 mg/kg

Inhalation-Rat LC50: N/D

Ketoxime Silane

Oral-Rat LD50: N/D

Inhalation-Rat LC50: N/D

Calcium Carbonate

Oral-Rat LD50: N/D

Inhalation-Rat LC50: N/D

Carbon Black

Oral-Rat LD50: >5,000 mg/kg

Inhalation-Rat LC50: >0.0046 mg/L

Titanium Dioxide

Oral-Rat LD50: >5,000 mg/kg

Inhalation-Rat LC50: >6.82 mg/L
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Section 12 -- Ecological Information

 ECOLOGICAL DATA

Ingredient Name

 Ketoxime Silane:

Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): >120 mg/L, 96 hrs.

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (water flea)): >120 mg/L, 48 hrs.

Carbon Black:

Toxicity to fish: LC50 (Danio rerio (zebra fish)): >1,000 mg/L, 96 hrs.

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (water flea)): >5,600 mg/L, 24 hrs.
 Toxicity to algae: NOEC (Desmodesmus subspicatus (green algae)): 10,000 mg/L, 72 hrs.

Titanium Dioxide:

Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): >100 mg/L, 96 hrs.

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (water flea)): >100 mg/L, 48 hrs.
 Toxicity to algae: EC50 (Skeletonema costatum (marine diatom)): >10,000 mg/L, 72 hrs.
 Toxicity to bacteria: EC50: >1,000 mg/L, 3 hrs.
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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

 Amorphous Silica

SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

Ketoxime Silane

SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

Carbon Black

SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

Titanium Dioxide

SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

 California Proposition 65: This product contains trace amount of substances,
 in the form of airborne or unbound particles, known to the State of California
 to cause cancer or other reproductive harm.
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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