



A CSW Industrials Company

SAFETY DATA SHEET

**METACALK® 835+**  
Elastomeric, silicone firestop sealant

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product name  
Metacalk 835+

Product Codes  
66012, 66019, 66645

Chemical Family  
Organic/Inorganic

Use  
Firestopping sealant

Manufacturer's Name  
The RectorSeal Corporation  
2601 Spenwick Drive  
Houston, Texas 77055 USA

Date of validation  
August 21, 2017

Date of Preparation  
August 21, 2017

HMIS Codes  
Health 1  
Flammability 2  
Reactivity 0  
PPI B

Emergency Telephone No.  
Chemtrec 24 Hours  
(800) 424-9300 USA  
(703) 527-3887 International

Technical Service Telephone No.  
(800) 231-3345 or (713) 263-8001

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 aquaitc toxicity: Not Classified  
Bioaccumulation potential: Not Classified  
Rapid degradability: Not Classified

**GHS Label elements, including precautionary statements**

GHS08: Health Hazard  
Signal Word: Warning

**Health Statements:**

H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes eye irritation

**Environmental Hazards:**

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.

**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#: 245-366-4

**Ingredient:** N-[3-(Trimethoxysilyl)propyl]ethylenediamine

Percentage by weight: 0.1-1.0

Cas Number: 1760-24-3

EC#: 217-164-6

**Ingredient:** 2-Butanone, O,O',O'',O'''-silanetetrayltetraoxime

Percentage by weight: 0.1 – 1.0

Cas Number: 34206-40-1

EC#: 251-882-0

**Ingredient:** Titanium Dioxide

Percentage by weight: 0.1 – 1.0

Cas Number: 13463-67-7

EC#: 236-675-5

**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.

**SECTION 5 - FIREFIGHTING 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.

**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.

**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.

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

Ingredient	Units
<b>Amorphous Silica</b>	
ACGIH TLV	N/D ppm
OSHA PEL	N/D ppm

**Ketoxime Silane**

ACGIH TLV N/D ppm  
 OSHA PEL N/D ppm

**N-[3-(Trimethoxysilyl)propyl]ethylenediamine**

ACGIH TLV N/D ppm  
 OSHA PEL N/D ppm

**2-Butanone, O,O',O",O'''-silanetetrayltetraoxime**

ACGIH TLV N/D ppm  
 OSHA PEL N/D ppm

**Titanium Dioxide**

ACGIH TLV 10 mg/m<sup>3</sup> A<sub>4</sub> ppm  
 OSHA PEL 15 mg/m<sup>3</sup>

**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.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: Not available

Specific Gravity (H<sub>2</sub>O = 1): 1.001 - 1.005 at 25 °C (77 °F)

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 paste

Solubility In Water: N/A

Volatile Organic Compounds (VOC) Content 25 grams per liter, <3% by weight  
 (Chemically Curing Sealants and Caulks – CARB Method 310:  
 VOC less water, less exempt compounds and LVP-VOCs).

Flash Point: None

Lower Explosion Limit: None

Upper Explosion Limit: None

**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.

**SECTION 11 - TOXICOLOGY INFORMATION**

**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

**2-Butanone, O,O',O",O'''-silanetetrayltetraoxime**

LD50 (oral): 2463 mg/kg (rat)

LD50 (dermal): > 2000 mg/kg (rat)

**N-[3-(Trimethoxysilyl)propyl]ethylenediamine**

Oral-Rat LD50: N/D

Inhalation-Rat: N/D

**Titanium Dioxide**

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

Inhalation-Rat LC50: >6.82 mg/L

**SECTION 12 - ECOLOGICAL INFORMATION**

**Ecological Data**

Ingredient Name:	<b>Ketoximane Silane</b>	
Toxicity to fish:	LC50 ( <i>Oncorhynchus mykiss</i> (rainbow trout)):	>120 mg/L, 96 hrs.
Toxicity to daphnia and other aquatic invertebrates:	EC50 ( <i>Daphnia magna</i> (water flea)):	>120 mg/L, 48 hrs.
Ingredient Name:	<b>Titanium Dioxide</b>	
Toxicity to fish:	C50 ( <i>Oncorhynchus mykiss</i> (rainbow trout)):	>100 mg/L, 96 hrs.
Toxicity to daphnia and other aquatic invertebrates:	EC50 ( <i>Daphnia magna</i> (water flea)):	>120 mg/L, 48 hrs.
Toxicity to algae:	EC50 ( <i>Skeletonema costatum</i> (marine diatom)):	>10,000 mg/L, 72 hrs.
Toxicity to bacteria:	EC50:	>1,000 mg/L, 3 hrs.

**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.

**SECTION 14 - TRANSPORTATION INFORMATION**

DOT	Non-Regulated
OCEAN (IMDG):	Non-Regulated
AIR (IATA):	Non-Regulated
WHMIS (CANADA):	Non-Regulated

## SECTION 15 - REGULATORY INFORMATION

**Regulatory Data**

<b>Ingredient:</b>	Amorphous Silica
SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A
<b>Ingredient:</b>	Ketoxime Silane
SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A
<b>Ingredient:</b>	2-Butanone, O,O',O'',O'''-silanetetrayltetraoxime
SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A
<b>Ingredient:</b>	N-[3-(Trimethoxysilyl)propyl]ethylenediamine
SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A
<b>Ingredient:</b>	Titanium Dioxide
SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

## 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