1. Product And Company Identification

**Supplier**
Fortifiber Building Systems Group  
300 Industrial Drive  
Fernley, NV 89408

**Company Contact:** Technical Services  
**Telephone Number:** (800) 773-4777  
**Web Site:** www.fortifiber.com

**Product(s):**  
Moistop® Sealant and Liquid Flashing

**Issue Date:** 08/23/2018  
**Supersedes:** 05/05/2016

**Product Description**
Silyl-terminated polyether sealant and liquid flashing.

2. Hazards Identification

**Classification in accordance with 29 CFR 1910.1200.**

- Toxic to reproduction, Category 2.
- Hazardous to the Aquatic Environment – Acute Hazard, Category 3
- Hazardous to the Aquatic Environment – Chronic Hazard, Category 3

**GHS LABEL ELEMENTS**
Symbols

**Signal Word**
WARNING

**Hazard Statements**
- Suspected of damaging fertility or the unborn child.
- Harmful to aquatic life with long lasting effects.

**Precautionary Statements:**
**Prevention**
- Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/clothing and eye/face protection. Avoid release to the environment.

**Response**
- If exposed or concerned: Get medical advice/attention.
Storage
Store locked up.

Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/Information On Ingredients

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS</th>
<th>% Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
<td>30-55</td>
</tr>
<tr>
<td>Carbonic acid, calcium salt (1:1)</td>
<td>471-34-1</td>
<td>15-25</td>
</tr>
<tr>
<td>N-[3-(Trimethoxysilyl)propyl]-1,2-ethanedianmine</td>
<td>1760-24-3</td>
<td>0.5-2</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>0.1-1</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>1333-86-4</td>
<td>0.01-0.09</td>
</tr>
</tbody>
</table>

4. First Aid Measures

Eye
In case of eye contact, remove contact lenses, if present, and flush eyes with water for several minutes. Get medical attention if irritation develops or persists.

Skin
Skin irritation may be treated by washing affected area with soap and warm water. Get medical attention if rash or irritation occurs.

Ingestion
This product is not intended to be eaten under normal conditions of use. Seek medical attention if a large amount is ingested.

Inhalation
If breathing is difficult, remove person to fresh air and keep at rest. Call a Poison Center or seek medical attention if you feel unwell.

Most Important Symptoms/Effects:
Acute
Skin irritation and eye irritation.

Delayed
Reproductive effects

Indication of Immediate Medical Attention and Special Treatment, If Needed
Treat symptomatically and supportively.
5. Fire Fighting Measures

**Suitable Extinguishing Media**
Use carbon dioxide, regular dry chemical, regular foam or water.

**Unsuitable Extinguishing Media**
None known.

**Special Hazards Arising from the Chemical:**

**Hazardous Combustion Products**
Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

**Special Protective Equipment and Precautions for Firefighters**
May burn, but does not ignite readily.

**Fire Fighting Measures**
Move material from fire area if it can be done without risk. Cool containers with water. Avoid inhalation of vapors or combustion by-products. Use extinguishing agents appropriate for surrounding fire. Dike for later disposal. Stay upwind and keep out of low areas.

**Protective Equipment and Precautions for Firefighters**
Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

6. Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures**
Wear personal protective clothing and equipment, see Section 8. Keep unnecessary people away, isolate hazard area and deny entry. Only personnel trained for the hazards of this material should perform clean up and disposal.

**Methods and Materials for Containment and Cleaning Up**
Ventilate the area. Stop leak if possible without personal risk. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Avoid release to the environment.

7. Handling And Storage

**Precautions for Safe Handling**
Do not handle until all safety precautions have been read and understood. Do not breathe vapor or mist. Avoid skin contact with skin and eyes. Do not eat, drink, or smoke when using this product. Always wear recommended personal protective equipment. Wear personal protective clothing and equipment, see Section 8. Wash thoroughly after handling.

**Conditions for Safe Storage, Including Any Incompatibilities**
Store and handle in accordance with all current regulations and standards. Keep container tightly closed. Keep separated from incompatible substances. **Incompatibilities:** Strong acids, strong oxidizing materials
8. Exposure Controls/Personal Protection

Content Exposure Limits:

**Calcium Carbonate (1317-65-3)**
- OSHA: 15 mg/m³ TWA (total dust): 5 mg/m³ TWA (respirable fraction)
- NIOSH: 10 mg/m³ TWA (total dust): 5 mg/m³ TWA (respirable dust)
- Mexico: 10 mg/m³ TWA LMPE-PPT
  - 20 mg/m² STEL [LMPE-CT]

**Carbonic Acid, Calcium Salt (1:1) (471-34-1)**
- NIOSH: 10 mg/m³ TWA (total dust): 5 mg/m³ TWA (respirable dust)

**Titanium Dioxide (White only) (13463-67-7)**
- ACGIH: 10 mg/m³ TWA
- OSHA: 15 mg/m³ TWA (total dust)
- Mexico: 10 mg/m³ TWA LMPE-PPT (as Ti)
  - 20 mg/m³ STEL [LMPE-CT] (as Ti)

**Dibutyl Tin (818-08-6)**
- ACGIH: 0.1 mg/m³ TWA (as Sn); 0.2 mg/m³ STEL (as Sn)
- NIOSH: 0.1 mg/m³ TWA (except Cyhexatin, as Sn)

**Carbon Black (Black Only) (1333-86-4)**
- ACGIH: 3 mg/m³ TWA (inhalable fraction)
- OSHA: 3.5 mg/m³ TWA
- NIOSH: 3.5 mg/m³ TWA; 0.1 mg/m³ (carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)
- Mexico: 3.5 mg/m³ TWA LMPE-PPT
  - 7 mg/m³ STEL [LMPE-CT]

**Appropriate Engineering Controls**
- Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

**Personal Protective Equipment:**

**Eye/Face Protection**
- Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**Skin Protection**
- Wear appropriate chemical resistant clothing.

**Glove Recommendations**
- Wear appropriate chemical resistant clothing.

**Protective Materials**
- Nitrile

**Respiratory Protection**
- Use an approved respirator if exposure limits are exceeded or if irritation develops or persists.
9. Physical And Chemical Properties

Physical State: Liquid
Appearance: Paste
Flash Point: >200 °F (93 °C).
Melting Point: N/A.
Specific Gravity: >1.
Vapor Pressure: N/A.
Vapor Density: N/A.
Solubility: Slightly soluble
Odor: Mild

10. Stability And Reactivity

Reactivity
- Stable

Chemical Stability
- Stable at normal temperatures and pressures.

Possibility of Hazardous Reactions
- Will not polymerize.

Conditions to Avoid
- Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

Incompatible Materials
- Strong acids, strong oxidizing materials.

Thermal Decomposition (Combustion)
- Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons

11. Toxicological Information

Acute Toxicity

Component Analysis – LD50/LC50
- The components of this material have been reviewed in various sources and the following selected endpoints are published:

  Carbonic acid, calcium salts (1:1) (471-34-1)
    Oral LD50 Rat 6450 mg/kg
  Titanium dioxide (White only) (13463-67-7)
    Oral LD50 Rat > 10,000 mg/kg
Information on Likely Routes of Exposure

Inhalation
May be harmful if inhaled.

Ingestion
May be harmful if swallowed.

Skin Contact
May cause irritation, redness, itching and burning.

Eye Contact
May cause irritation of the eyes. Contact may cause tearing, redness, a stinging or burning feeling, swelling and blurred vision.

Immediate Effects
Skin irritation and eye irritation may occur.

Delayed Effects
No information is available.

Medical Conditions Aggravated by Exposure
Skin disorders and eye conditions.

Irritation/Corrosivity Data
Causes skin, eye and respiratory irritation.

Respiratory Sensitization
No Information available for the product.

Dermal Sensitization
No information available for the product.

Germ Cell Mutagenicity:

Carcinogenicity
Results of a DuPont epidemiology study showed that employees who had been exposed to titanium dioxide pigments were at no greater risk of developing lung cancer than were employees who had not been exposed to titanium dioxide. No pulmonary fibrosis was found in any of the employees and no associations were observed between titanium dioxide pigment exposure and chronic respiratory disease or lung abnormalities. Based on the results of this study, DuPont concluded that titanium dioxide pigment will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.

Component Carcinogenicity
Titanium dioxide (13463-67-7)

ACGIH: A4 - Not Classifiable as a human carcinogen.
IARC: Monograph 93 [2010]; Monograph 47 [1989] (Group 2B (possible carcinogenic to humans)).
DFG: Category 3B (could be carcinogenic for man, inhalable fraction with the exception of ultra small particles).
OSHA: Present
Carbon black (1333-86-4)

ACGIH: A3 – Confirmed Animal Carcinogen with Unknown Relevance to Humans
IARC: Monograph 93 [2010]; Monograph 47 [1989] (Group 2B (possible carcinogenic to humans)).
DFG: Category 3B (could be carcinogenic for man, inhalable fraction)
OSHA: Present

Reproductive Toxicity
May damage fertility or the unborn child.

Specific Target Organ Toxicity – Single Exposure
No target organs identified.

Specific Target Organ Toxicity – Repeated Exposure
No target organs identified.

Aspiration Hazards
No information available for the product.

12. Ecological Information

Ecotoxicity
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and Degradability
No information available for the product.

Bioaccumulation
No information available for the product.

Mobility
No information available for the product.

Biodegradation
No information available for the product.

13. Disposal Considerations

Disposal Methods
Dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

US DOT information
Not regulated as a hazardous material

TDG Information
15. Regulatory Information

U.S. Federal Regulations

None of this product’s components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4) TSCA 12 (b), or require an OSHA process safety plan.

Acute Health: No  Chronic Health: Yes  Fire: No  Pressure: No  Reactive: No

U.S. State Regulations

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
<td>Yes</td>
<td>Yes</td>
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<td>Carbon Black</td>
<td>1333-86-4</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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</tr>
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</table>

None of this product’s components are required to be labeled under California Proposition 65.

Component Analysis – Inventory

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<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>US</th>
<th>CA</th>
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<td>EIN</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>Carbonic acid, Calcium salt (1:1)</td>
<td>471-34-1</td>
<td>Yes</td>
<td>DSL</td>
<td>EIN</td>
<td>Yes</td>
<td>Yes</td>
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16. Other Information

This SDS Supersedes A Previous Form Dated: 05/05/2016.

Disclaimer

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Key/Legend