



1. Product And Company Identification	
<p>Supplier Fortifiber Building Systems Group 300 Industrial Drive Fernley, NV 89408</p> <p>Company Contact: Technical Services Telephone Number: (800) 773-4777 Web Site: www.fortifiber.com</p>	<p>Product(s): Moistop® Sealant and Liquid Flashing</p>
<p>Issue Date: 08/23/2018 Supersedes: 05/05/2016</p> <p>Product Description Silyl-terminated polyether sealant and liquid flashing.</p>	

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

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

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



Not regulated as dangerous goods.

15. Regulatory Information

U.S. Federal Regulations

None of this products 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

Component	CAS	MA	MN	NJ	PA
Calcium Carbonate	1317-65-3	Yes	Yes	Yes	Yes
Titanium Dioxide	13463-67-7	Yes	Yes	Yes	Yes
Carbon Black	1333-86-4	Yes	Yes	Yes	Yes

None of this products components are required to be labeled under California Proposition 65.

Component Analysis – Inventory

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Calcium carbonate	1317-65-3	Yes	NSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Carbonic acid, Calcium salt (1:1)	471-34-1	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine	1760-24-3	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes



16. Other Information

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

Disclaimer

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Key/Legend

ACGIH – American Conference of Governmental Industrial Hygienists; AU – Australia; C – Celsius; CA – Canada; CAS – Chemical Abstract Service; CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act; CN – China; DFG – Deutsche Forschungsgemeinschaft; DOT – Department of Transportation; DSL – Domestic Substances List; EEC European Economic Community; EIN – European Inventory of Existing Commercial Chemical Substances; EPA – Environmental Protection Agency; EU – European Union; F – Fahrenheit; IARC – International Agency for Research on Cancer; JP – Japan; KR – Korea; LEL – Lower Explosive Limit; MEL – Maximum Exposure Limits; NFPA – National Fire Protection Agency; NIOSH – National Institute for Occupational Safety and Health; NZ – New Zealand; OSHA – Occupational Safety and Health Administration; PH – Philippines; RCRA – Resource Conservation and Recovery Act; SARA – Superfund Amendments and Reauthorization Act; STEL – Short-term Exposure Limit; TDG – Transportation of Dangerous Goods; TSCA – Toxic Substances Control Act; TWA – Time Weighted Average; UEL – Upper Explosive Limit; US – United States.