



# CHEM TECHNOLOGIES, LTD.

Beyond the obvious from innovation to application

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## CTLP(SI69)-72

### *SI-69 on a Calcium Silicate Binder*

#### ***Product Description / Advantages:***

CTLP(SI69)-72 is a 72% active dispersion of Degussa's Si-69 absorbed onto calcium silicate. This product form is designed to offer the following advantages:

- Disperses easily and quickly
- Provides better dispersion of the active ingredient throughout the batch
- Can be preweighed in batch inclusive bags to specific customer weights
- Can be customized with alternate binders

#### ***Application / Recommendations:***

CTLP(SI69)-72 should be evaluated as a direct replacement for bis(3-triethoxy-silylpropyl)tetrasulfane and dry liquid concentrates of this material on an active ingredient basis.

According to Degussa's website: "Si 69® is a bifunctional, sulfur-containing organosilane used in the rubber industry in combination with white fillers that carry silanol groups. It reacts with fillers containing silanol groups during mixing and with the polymer during the vulcanization process under formation of covalent chemical bonds. This imparts better tensile strength, higher moduli, reduced compression set, increased abrasion resistance and optimized dynamic properties. Si 69® is used in many applications where white fillers containing silanol groups are involved and optimum technical properties are required."

#### ***Active Ingredient:***

Si-69, Bis(3-triethoxysilylpropyl)tetrasulfane

#### ***Typical Properties:***

#### ***CAS #'s***

Bis(3-triethoxysilylpropyl)tetrasulfane	72 ± 2%	40372-72-3
Synthetic calcium silicate hydrate	28 ± 2%	1344-95-2
Specific Gravity	1.31	

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***Appearance:***

Form: Free Flowing Powder

Color: Off-White

Odor: Slight Characteristic Odor

***Packaging:***

Standard packaging is sixty pounds per cardboard box, although customized preweighs/ and packaging are available.

***Handling and storage:***

Bis(3-triethoxysilylpropyl)tetrasulfane is slightly irritating to the skin, eye and respiratory tract. The binder can also cause irritation of the skin and mucous membranes as well as have a dehydrating effect on respiratory tract, eyes, and skin.

*CTLP(SI69)-72* must be stored in a cool, dry place. Partially used containers should be kept closed to minimize exposure and avoid contamination. Avoid physical contact. Wash with soap and water thoroughly after handling. If contacted in the eye, flush with water for 15 minutes and consult a physician. Please refer to the MSDS for additional information.

***For Additional Information:***

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