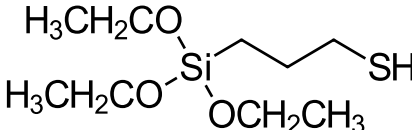




Offering reliable & sustainable solutions

## TECHNICAL DATA SHEET

Product Name : ACH Si-SUL-1891  
Chemical Name : 3-Mercaptopropyl triethoxysilane  
Molecular Weight : 238.42  
CAS Number : 14814-09-6  
Chemical Structure :



### Specifications:

| Item                  | Typical Value    |
|-----------------------|------------------|
| Appearance            | Colorless Liquid |
| Color (APHA)          | 30 Max           |
| Viscosity (25 °C), cP | 0.5 – 2.0        |
| CPTES (GC), %         | 1.0 Max          |
| MPTES (GC), %         | 95.0 Min         |

### Applications:

ACH Si-SUL-1891 is used as a coupling agent for sulfur cured rubber, polyurethanes and metal oxide-cured elastomers. It improves abrasion resistance and reduces bloom properties. It also improves mineral-filled elastomer properties including modulus, tensile and tear strength, heat buildup, abrasion resistance, resilience, compression set and cure time. It chemically bonds reinforcing minerals such as silica, clay, mica and talc to the polymer matrix. Mineral reinforced articles such as shoe soles, rubber rollers and wheels, white sidewalls, wire and cable insulation can also be produced with lower silane loadings. In addition, it can be also used as a pretreatment on minerals or added at time of compounding

### Standard Packaging:

200 kg/drum, 1000 kg/IBC tote, 18,000 kg/ISO-tank.

### Shelf-life:

2 years.

Revised 03/11/2022