



Offering reliable & sustainable solutions

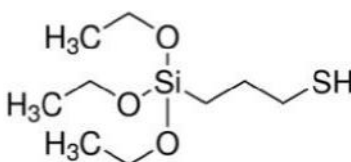
TECHNICAL DATA SHEET

Product Code: ACH Si-SUL-1891

Product Name: 3-Mercaptopropyl triethoxysilane

CAS No.: 14814-09-6

Chemical Structure:



Specifications:

Property	Specification
Appearance	Colorless liquid
Color (APHA)	30 Max
Viscosity at 25 °C (cP)	0.5 to 2.0
CPTES by GC	1.0% Max
MPTES by GC	95.0% Min
MPTES-S-Ether by GC	0.2% Max
Di-(MPTES) by GC	1.0% Max

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 by KJR on June 9, 2021