

Technical Data Sheet

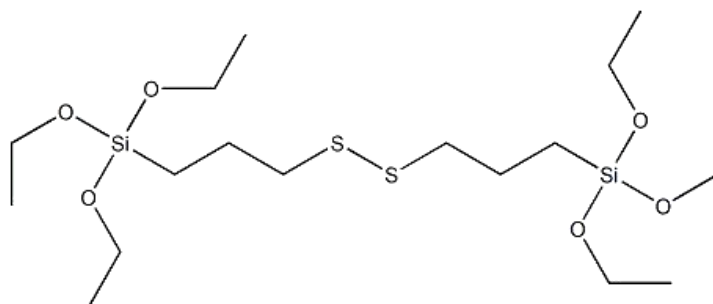
TDS NO.: KBR-Si75

Revision Date: 19/03/2020



Bis [3-(triethoxysilyl) propyl] disulfide

Chemical Structure:



Typical Physical Properties

Product No.:	KBR-Si75
Chemical Name:	Bis[3-(triethoxysilyl)propyl]tetrasulfide
CAS No.:	56706-10-6
EINECS No.:	260-350-7
Molecular Formula:	C ₁₈ H ₄₂ O ₆ S ₂ Si ₂
Molecular Weight:	474.82
Appearance:	Light yellow transparent liquid
Specific Gravity at 25° C, g/cm ³ :	1.020-1.060
Refractive Index(n _{20D})::	1.4500-1.4900

Applications:

KBR-Si75 is a silane coupling agent with multiple functional groups successfully used in the rubber industry to improve modulus and tensile strength of rubber, reduce compound viscosity and save process energy consumption. It is especially applicable for polymers with double bond or rubber formulation with hydroxyl fillers. The suitable fillers include silica, silicate, clay, etc. The suitable rubber include natural rubber (NR), butadiene styrene rubber (SBR), isoprene rubber (IR), butadiene rubber (BR), acrylonitrile butadiene rubber (NBR), ethylene propylene diene rubber (EPDM), etc.

Comparing with KBR-Si69, the low-active disulfane group in KBR-Si75 provides more reliable scorch safety.

Safety

Risk Statements:	20/21/22-36/37/38
Safety Statements:	23-24/25
TSCA:	YES
HS Code:	29309090

Packaging and Storage

Be packed in 25KG, 200KG drums, IBC and ISO Tank. Be sealed and stored in cool and well ventilated place. Away from fire and water.