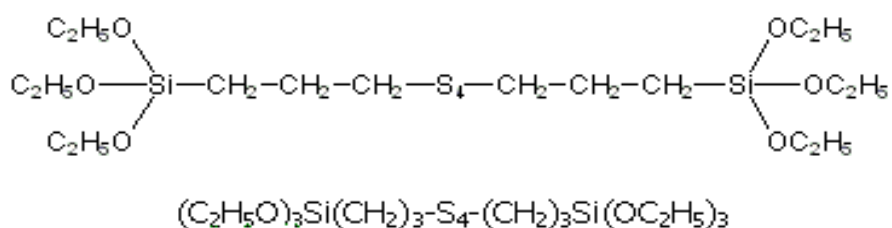


Castle Chemicals

Technical Data Sheet

Product Name: JH-S69 Silane Coupling Agent
Chemical Identification: Bis-[γ-(triethoxysilyl)-propyl]-tetrasulfide
Formula:



Physical Properties

Light yellow transparent liquid with slight ethyl alcohol odor, easily soluble in organic solvents such as ethyl alcohol, acetone, benzene, toluene and chlorohydrocarbon ,etc.

Typical Properties:

CAS NO.	40372-72-3
Molecular Weight:	538.96
Boiling Point:	85-88 $\text{ }^{\circ}\text{C}$ /1.07Kpa
Density (ρ_{20})g/cm ³ :	1.08 \pm 0.01
Refractive Index ($n_{25\text{D}}$):	1.4800 \pm 0.0200

Application:

JH-S69 is a kind of silane coupling agent with multiple functional groups successfully used in the rubber industry to improve modulus and tensile strength of rubber, to reduce the compound viscosity and save process energy consumption. It's especially applicable for polymers with double bond or rubber formulation with hydroxyl fillers. The suitable fillers include silica, silicate, clay, etc. The suitable rubber includes natural rubber (NR), Butadiene styrene rubber (SBR), Isoprene rubber (IR), Butadiene rubber (BR), Acrylonitrile butadiene rubber (NBR), Ethylene propylene diene rubber (EPDM), etc.

Packing and storage:

- (1) Packing:10KG/pail,25KG/pail or 200KG/drum or 1000KG/IBC other packing on request.
- (2) This product must be sealed and kept in cool & ventilated place.