

Technical Date Sheet**SiLink™ Silane KH-580**

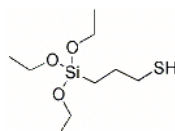
γ -mercaptopropyltriethoxysilane

Description

A mercapto-silane. Thiol of the KH-580 can react with many kinds of resins. While, the Si-OH formed after the hydrolysis of the trimethoxy can have condensation reaction with the hydroxyl on the surface of the inorganic materials.

CAS Number

14814-09-6

CAS NumberHS(CH₂)₃Si(OC₂H₅)₃**The Equipvalent Products to Other Manufacurers**

Momentive	DowCorning
A-1891	Z-6910 Z-6911

Typeical Properties

Index	Value
Appearance	Colorless, transparent liquid
Specific point (ρ_{20}), g/cm ³	0.995~1.005
Boiling Point (760mmHg), °C	200
Refractive Index (DN ²⁵)	1.4300~1.45200
Flash Point, °C	98

Solubility	Soluble in water after hydrolysis, alcohol and acetone, and most aliphatic esters at normal application levels fewer than 5%.
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Applications and Performance

- 1.Combine inorganic fillers (such as silica, clay, mica and talc, etc.) with the rubber chemical bond. Thereby enhancing the capacity of the inorganic filler of enhancing the mechanical properties of elastomers.
- 2.Used as adhesion promoter, surface modifiers, and cross-linking agent and dispersant. It is to upgrade the combination of power and compatibility between inorganic mineral powder material, fiber and polymers (resin) .
- 3.Improve the adhesion, water resistance between resin coating and the inorganic substrate.

Packing

This product is available in 5kg pail, 200L drums and 1000L immediate bulk container.

Storage and Usable Life

Should be stored in dry, cool, ventilated room; keep away from water, moisture, high temperature and fire. This product has a shelf life of at least 18 months if stored in tightly closed original container at room temperature.

If this product is kept beyond the shelf life recommend on the product label, it is not necessarily unusable, but a quality control should be performed on the properties relevant to the application.