

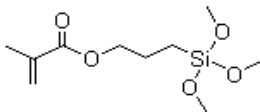
## Technical Date Sheet

### SiLink™ Silane KH-570

3- Methacryloxypropyltrimethoxysilane

Description
An organofunctional silane used to improve the physical and electrical properties of glass reinforce and mineral filled thermoset resin, typically those curing via a free-radical mechanism (e.g., polyester, polyurethanes and acrylics) and in filled or reinforced thermoplastic polymers, including polyolefins and thermoplastic polyurethanes.

CAS Number
2530-85-0

CAS Number	
CH <sub>3</sub> CCH <sub>2</sub> COO(CH <sub>2</sub> ) <sub>3</sub> Si(OCH <sub>3</sub> ) <sub>3</sub>	

The Equipvalent Products to Other Manufacturers				
Momentive	DowCorning	Shin-Etsu	Degussa	Wacker
A-174	Z-6030	KBM-503	MEMO	GF 31

Typical Properties	
Index	Value
Appearance	Colorless, transparent liquid
Specific point ( $\rho_{20}$ ), g/cm <sup>3</sup>	1.055
Boiling Point (760mmHg), °C	255
Refractive Index (DN <sup>25</sup> )	1.4205
Flash Point, °C	108
Solubility	Soluble in water after hydrolysis,

alcohol and acetone, and most aliphatic esters at normal application levels fewer than 5%. Hydrolysis releases methanol.

#### Applications and Performance

1. Significantly improves composite strengths when the composite is reinforced with fiber glass roving sized with a typical polyester compatible formulation. These formulations normally incorporate silane coupling agents, film-forming resins, lubricants and antistatic agents.
2. enhances the strength performance both initially and after wet-conditioning, of cured polyester resin composites filled with silica, glass fiber, silicates and many metal oxides.
3. enhances the wet electrical properties of many mineral-filled composites, such as crosslinked polyethylene and polyvinyl chloride.

#### 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.