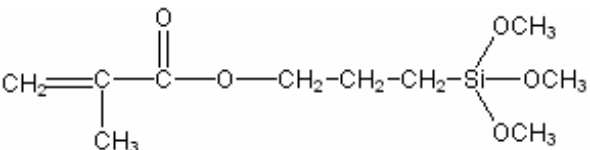


Basic information

Product code	JH-O174
Chemical name	3-(Methacryloyl)propyltrimethoxysilane
Synonyms	methacryloylpropyltrimethoxysilane; methacrylic acid 3-(trimethoxysilyl)propyl ester; gamma-methacryloylpropyltrimethoxysilane; 3-(trimethoxysilyl)propyl methacrylate;
Formula	$\text{CH}_3\text{CCH}_2\text{COO}(\text{CH}_2)_3\text{Si}(\text{OCH}_3)_3$
Chemical structure	

Physical and chemical properties

Description	Easy soluble in a variety of organic solvents, easy hydrolysis and condensation to form polysiloxane, easy polymerization under overheat, illumination and the existence of peroxide. Colorless transparent liquid.
Molecular weight	248.35
CAS no.	2530-85-0
EINECS no.	219-785-8
Boiling point	78 ~ 81°C/0.13KPa
Density (ρ_{20})g/cm ³	1.0450 ± 0.0050
Refractive index (n_D^{25})	1.4290 ± 0.0050

Applications

Main application industries Glass fiber Adhesive promoter Resin Filler Paint

Mainly used in unsaturated polyester composite material to improve the mechanical property, electric property, photic property, especially, greatly improve the wet property of composite material.

Inhibition treatment (containing this coupling agent) to glass fibre, can improve the wet mechanical property and electric property of glass fibre reinforced composite material.

Application

In wire and cable industry, when used to treat EPDM system stuffed by pottery clay and crosslinked by peroxide, it can improve consumption factor and specific inductance capacitance.

Polymerize with vinyl acetate and acrylic acid or methyl acrylic acid monomer. These polymers are widely used in coating, adhesive and sealing agent, providing excellent adhesion and durability.

Standard packing

5L, 10L, 25L, 200L PE drum or 1000L IBC container.

* We also can pack according to your requirements. Please specify when order.

Storage

Must be sealed and kept in cool and ventilated place, away from water, heat and fire.