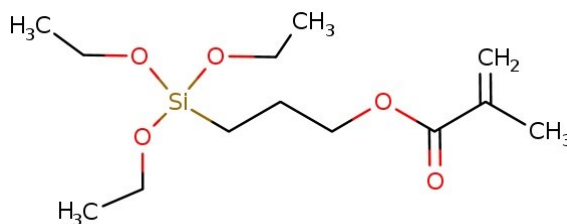


## SILSOURCE SC-4200

### 3-methacryloxypropyltriethoxysilane

#### PRODUCT DESCRIPTION

SC-4200 is a methacryl-functional silane that is clear, light and a heat sensitive liquid with a faintly sweet odour.



#### TYPICAL PRODUCT DATA

(not intended for use in preparing specifications)

Property	Value
Appearance	Colorless to straw transparent liquid
Min. Purity	98.0%
Refractive Index	1.427 [25°C]
Density 25/25°C	0.99
Molecular Weight	290.43
Boiling Point	129°C [760mmHg]
Flash Point	128°C

**Solubility:** SC-4200 is soluble in methanol, ethanol, isopropanol, acetone, benzene, toluene, and xylene.

#### PACKAGING

SC-4200 is available in a 200 Kg. steel drum or a 1000 Kg. IBC container.

#### TYPICAL FEATURES AND APPLICATIONS

SC-4200 is mainly used in unsaturated polyester composite material to improve the wet mechanical and electric property of glass fiber reinforced composite material. In the wire and cable industry, when used to treat an EPDM system, (with pottery clay and crosslinked by peroxide) SC-4200 can improve rate of use and specific inductance and capacitance values.

Polymers, polymerized by SC-4200 and vinyl acetate and acrylic acid or methyl acrylic acid monomer, are widely used in coatings, adhesives and sealing agents providing excellent adhesion and durability.

#### INFORMATION FOR USE

SC-4200 is used as adhesion promoter in organic/inorganic interfaces, as a surface modifier. It is used as a coupling agent to improve the physical and electrical properties of glass-reinforced and mineral-filled thermosetting resins under exposure to heat and/or moisture. It is typically employed as a blend additive in resin systems that cure via a free radical mechanism (e.g. polyester, acrylic) and in filled or reinforced thermoplastic polymers, including polyolefins and polyurethanes.

#### PRODUCT SAFETY INFORMATION

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEET AND CONTAINER LABELS FOR SAFE USE, PHYSICAL, ENVIRONMENTAL, AND HEALTH HAZARD INFORMATION.

#### LIMITATIONS

Not intended for human injection. This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

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