

**PRODUCT:** ICS-570 (3-Methacryloxypropyltrimethoxysilane)  
**CAS NO.** 2530-85-0  
**BATCH NO.** 20220208  
**PRODUCTION DATE** 2022-02-08  
**EXPIRE DATE** 2023-12-31

We hereby certify that the above mentioned goods have been inspected as follows:

PROPERTIES	SPECIFICATION	Lot Numbers	
		ANALYSIS	TESTMETHOD
Appearance	Colorless transparent liquid	Colorless transparent liquid	Visual
Assay,%	≥ 98	98.95	Gas chromatography
Specific Gravity at 20°Cg/cm <sup>3</sup>	1.040-1.050	1.042	Hydrometer
Refractive index, Nd 20	1.4290-1.4320	1.4295	Abbe Refractometer
Conclusion	Qualified		

**Date of Analysis 2022-02-09**

## Technical Data Sheet

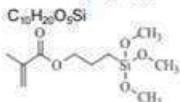
### ICS-570

#### Description

Chemical Name 3-Methacryloxypropyltrimethoxysilane

Molecular Formula  $C_{10}H_{20}O_5Si$

Structural Formula



Molecular Weight 248.4

CAS No. 2530-85-0

#### Physical Properties

Physical Form	Transparent liquid
Color	Colorless
Assay, %	≥98
Specific Gravity at 25/25°C	1.045
Boiling Point, °C	255
Refractive Index, nD 25°C	1.429
Flash Point, Pensky-Martens Closed Cup(1), °C	108

#### Applications

Mainly used to improve the surface adhesion properties of the organic and inorganic materials, such as the processing of the glass in the steel, glass fibers and plastics, rubber, paint, coating of a siliceous fillers and other materials, and also used for the binder in order to increase the bond performance.

It can significantly improve the wet and dry mechanical strength, electrical properties, and translucent of the filled white carbon, glass fiber, glass bead, silicates, metal powder, metal oxide, and metal hydroxide unsaturated polyester composites. Also it is used as the adhesive coupling agent for ethylene-propylene rubber, butadiene rubber, acrylic acid ester, cyano acrylate, unsaturated polyester, a poly (methyl acrylate), acrylic acid ester, etc.

In the wire and cable industry, when it is used to treat the clay fill peroxide crosslinking EPDM system, consumption factor and inductance capacitance are improved.

#### Packaging and Storage

Be packed in 25KG, 200KG drums, IBC and ISO Tank.

Be sealed and stored in cool and well ventilated place. Away from fire and water.