

## Technical Data Sheet

TDS No.: CG-E017 V202301

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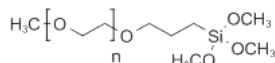
### CG-E017

#### Description

Chemical Name 3-(Methoxypolyoxyethylene)trimethoxysilane

Molecular Formula  $(C_2H_4O)_n C_7H_{18}O_4Si$

Structural Formula



Molecular Weight 238.35

CAS No. 65994-07-2

#### Physical Properties

Physical Form

Transparent liquid

Color

Clear, Light yellow to yellow

Assay, %

$\geq 90$

Solid content, %

8.5-10.3

Solubility

Soluble in alcohols, chain hydrocarbons and aromatic hydrocarbons.

#### Applications

It is a compound containing silicone functional group and polyether structure, combining the hydrophilicity, lubricity and anti-ultraviolet properties of ether bond and silane, which can be used as additives for all kinds of cosmetic products; it can be used as softening and finishing agent for fabrics to improve the feel of fabrics; it can be used as a solvent to replace the traditional electrolyte solution by taking advantage of its excellent thermal stability to reduce the flammability of the electrolyte and to improve the safety of the batteries; and it can be used for the fabrication of anti-fog and anti-water vapour condensation coatings.

#### Handling and Storage

This product can be packed in 25KG plastic drums or 200KG plastic drums or steel drums, we can also provide other specifications according to your needs. The product should be stored in a cool, ventilated and dry place, protected from moisture and fire, with the lid well sealed and effectively insulated from air, as moisture in the air can react quickly with it and lead to hydrolysis and polymerisation. The storage period of the product in the original packaging is one year. This product is irritating to the skin and eyes. If it comes into contact with the skin, wash with soap; if it comes into contact with the eyes, flush with plenty of water.

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