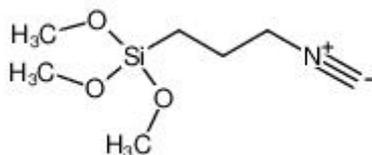


FC-031 (CAS 15396-00-6) 3-isocyanatopropyl(trimethoxy)silane**BASIC
INFORMATION**

Cas: 15396-00-6
Name: 3-isocyanatopropyl(trimethoxy)silane
Silane, (3-isocyanatopropyl)trimethoxy; isocyanatopropyl trimethoxysilane; 3-isocyanatopropyl-trimethoxysilane; 3-(Trimethoxysilyl)propyl isocyanate; EINECS 239-415-9; 3-(triethoxysilyl)propylisocyanate;
Molecular formula: C₇H₁₅NO₃Si
Molecular weight: 189.28400
PSA: 27.69000
LOGP: 0.40460

PHYSICAL**INDEX**

Appearance and properties: colorless transparent liquid
Density: 1 g/cm³
Boiling point: 203.8° C at 760 mmHg
Melting point: <0° C
Flash point: 77.1° C
Refractive index: 1.421
Storage conditions: Keep in a cool, dry, dark location in a tightly sealed container or cylinder. Keep away from incompatible materials, ignition sources and untrained individuals. Secure and label area. Protect containers/cylinders from physical damage.
Vapor pressure: 0.272 mmHg at 25° C

SECURITY**INFORMATION**

Safety instructions: S23; S26; S36/37/39
Hazard category code: R21/22
Customs code: 2931900090
Dangerous goods transport code: UN 2927
Hazard category: 6.1
Packing level: II

**PRODUCTION
METHODS AND
APPLICATION**

use

The product is a silane with isocyanate functional groups, which is used as a crosslinking agent and adhesion promoter in adhesives and sealants. It can adhere to various substrates, common and uncommon; outstanding wet adhesion performance on glass, metal and other inorganic substrates; also can adhere to difficult-to-adhere substrates, such as nylon and other plastics product. It can be hydrolyzed quickly in the presence of atmospheric humidity, and has very good thermal stability, chemical stability and UV stability. Suitable polymers: acrylics, silicone resins (Si), PU-prepolymers, etc.
