

# IOTA-5066 3-Mercaptopropylmethyldimethoxysilane

Alias: Dimethoxy- (3-Mercaptopropyl) methylsilane;

3- (Dimethoxymethylsilyl) -1-propanethiol

**CAS: 31001-77-1**

Chemical Structure:

Molecular formula: C<sub>6</sub>H<sub>16</sub>O<sub>2</sub>SSi

Molecular weight: 180.34

EINECS accession number: 250-426-8

## **Physical and chemical properties:**

Boiling point: 96 degrees C (30MMHG)

Refractive index: 1.45

Flash point: 199 degrees F

Density: 1

Appearance: colorless transparent liquid

**Properties and uses:**

This product is a colorless transparent liquid, there is an unpleasant smell of sulfide. Does not dissolve in water, but soluble in alcohol, can react with water slowly.

1. The silane coupling agent, in resin, styrene butadiene rubber and natural rubber, to improve by the performance of the composite materials, the other as a reinforcement and crosslinking agent, used for glass fiber, deep ink, glue and sealing material.
2. The metal surface has excellent protective properties.
3. As fabric finishing agent, and shrinkproof haircare material etc..

**Packaging and storage:**

1. This product is stable under normal temperature and pressure, avoid contact with open flame and high temperature, stored in a cool, dry and well ventilated warehouse, away from the fire, heat source. Keep container seal. The storage area should be equipped with a leak emergency treatment equipment and a good shelter material.
2. This product has slight irritation to skin, eyes and respiratory tract, so it should be well protected when using.

3. Packing: 200KG plastic barrel packaging.