

Tetramethyldisiloxane (TMDS)

Product Name: Tetramethyldisiloxane

Molecular Formula: C₄H₁₄O Si₂

Molecular Weight: 134.32

CAS No.: 3277-26-7

Product Standard: Q/HSGY 023-2021

Physical and Chemical Properties:

Relative Density (water=1): 0.757

Refractive Index (20°C) : 1.3669~1.371

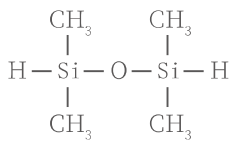
Melting Point: -78°C

Flash Point: -20°C

Boiling Point: 70-71°C

Appearance: Colorless and Transparent Liquid.

Structural Formula:



Technological Index:

Item	Index
Content of Tetramethyldisiloxane/% ≥	99.00

Properties and Uses

It is not dissolvable in water, but dissolvable in organic solvents such as aromatic hydrocarbon, petroleum hydrocarbon, etc. It is widely used as a silicone intermediate. It can be used to synthesize polysiloxane containing functional groups. It is an important raw material for liquid silicone rubber, modified silicone fluid, plastic, resin modifier and dendrimer etc.

Package, Storage and Handling

Steel Drum, net weight 130kg/d.rum. Storage at ventilate and dry place, prevention from water, heat and fire. Handling according to hazardous substances. Be careful when loading and unloading to avoid damages of the package. During transporting, protect against damp, water, sunlight, etc.

Chemical Stability: Stable

Incompatible Materials: Strong oxidant

Conditions to Avoid: Incompatible materials, any sources of ignition or heat, exposure to moist air or water.

Decomposition Products: In case of a fire, oxides of carbon, hydrocarbons, silicon oxide, fumes, and smoke may be generated by decomposition or combustion.

Hazardous Polymerization: Won't occur.