

Dimethyldichlorosilane (DMDCS/M₂)

Product Name:Dimethyldichlorosilane (DMDCS)

Molecular Formula:(CH₃)₂SiCl₂

Molecular Weight:129.1

CAS No.:75-78-5

UN No.:1162

Product Standard:GB/T 23953-2009

Physical and Chemical Properties:

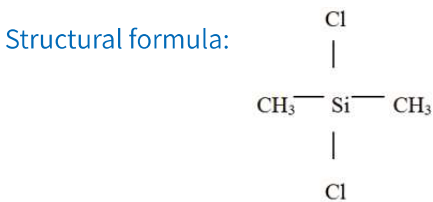
Flash Point: -16°C(Closed cup) Relative Density(water=1): 1.07
 Melting Point: -76°C Relative Vapour density(air=1): 4.4
 Boiling Point: 71°C Vapour Pressure: 14.5 kPa (at 20°C)
 Auto-ignition Temperature: 380°C PH: Reacts with water to produce hydrogen chloride.

Explosion Limits Lower[%(V/V)]: 3.4

Explosion Limits Upper[%(V/V)]: 9.5

Water Solubility: Reaction

Appearance: Colorless,transparent liquid.with strong pungent smell



Technological Index:

Item	Index
Content of Dimethyldichlorosilane/% ≥	99.5
Content of Methyltrichlorosilane/% ≤	0.05

Properties and Uses

It is inflammable and easy to explode. It is a base material for manufacturing organic silicon intermediates, silicone oil, silicone rubber and silicone resins. It can also be used to manufacture super heat-resisting and high strong silicon carban fiber.

Package, Storage and Handling

Steel drum/Plastic drum, net weight 200kg/drum or ISO TANK, Storage at ventilate and dry place and prevention from water, heat and fire; It should be kept away from oxidant, acid and alkali. Handling according to hazardous substances and prevention from exposing to sunlight and rain. Be careful when loading and unloading to avoid damages of the package.

Chemical Stability: Stable in closed containers under specified storage and handling conditions.

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

Incompatibilities with Other Materials: Strong oxidizing agents, water, alcohols, caustics, ammonia. Attacks many metals in presence of water. (Reacts violently with water to produce hydrogen chloride. Reacts violently with alcohols, amines causing fire and explosion hazard.)

Hazardous Decomposition Products: The substance decomposes on heating producing toxic and corrosive fumes including hydrogen chloride, phosgene, and chlorine compounds. Reacts violently with water to produce hydrogen chloride.

Hazardous Polymerization: Will not occur.