

SILSOURCE™ SS-5008

TETRAMETHYLDISILOXANE (TMDS)

PRODUCT DESCRIPTION

SS-5008, Tetramethyldisiloxane (TMDS) is a clear, colorless, and low-viscosity liquid silicone compound.

It is commonly used as a building block in the synthesis of other siloxane compounds and as a solvent in various applications.

TYPICAL PRODUCT DATA*

Property	Unit	Typical Value
CAS#	-	3277-26-7
Molecular Weight	g/mol	134.33
Formula		C ₄ H ₁₄ OSi ₂
Appearance	-	Colorless clear liquid
Boiling Point	°C	70
Flash Point	°C	-12
Refractive Index	-	1.367
Density	g/cm ³	0.757
Purity	%	≥99%

* These values are not intended to be used as specifications but as suggested characteristics

PACKAGING

The size of the available packages can be checked with Sales Department. SS-5008 is typically supplied in 140kg steel drums.

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEET AND CONTAINER LABELS FOR SAFE USE, PHYSICAL, ENVIRONMENTAL, AND HEALTH HAZARD INFORMATION.

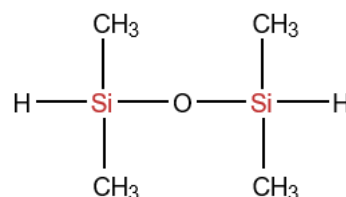
LIMITATIONS: Not intended for human injection. This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

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TECHNICAL DATA SHEET



TYPICAL FEATURES AND APPLICATIONS

SS-5008 (TMDS) is used in the manufacture of silicone oils, resins, rubbers, and other products, and also acts as a crosslinking agent in the production of silicone-based materials.

SS-5008 is used in for Plasma Enhanced Chemical Vapor Deposition (PECVD) of glass on a variety of substrates at low temperature.

INFORMATION FOR USE

SS-5008 is also employed in reductive halogenation of aldehydes and epoxides.

In addition to being a reducing agent, its main industrial use is as an end-capper in the synthesis of high molecular weight hydride-terminated polydimethylsiloxane.

SHELF LIFE AND STORAGE

In the unopened original container SS-5008 has a shelf life of one year in a dry and cool place.