

1845  
ED

**C<sub>4</sub>H<sub>12</sub>Cl<sub>2</sub>OSi<sub>2</sub>**

**1,3-Dichloro-1,1,3,3-tetramethyldisiloxane**

**C<sub>1</sub>**

Cl(CH<sub>3</sub>)<sub>2</sub>Si–O–SiCl(CH<sub>3</sub>)<sub>2</sub>

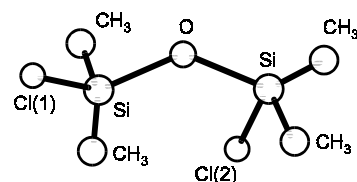
$r_g$	$\text{\AA}^a$	$\theta_\alpha$	deg <sup>a)</sup>
C–H	1.084(5)	Si–O–Si	154.0(15)
Si–O	1.624(2)	Cl–Si–O	110.2(8)
Si–C	1.852(2)	Cl–Si–C	109.6(7)
Si–Cl	2.067(2)	H–C–Si	111.7(15)
		O–Si–C	110.0(8)
		H–C–H	109.5 <sup>b)</sup>
		$\tau(\text{Cl}(1)\text{--Si--O--Si})^c$	78(6)
		$\tau(\text{Cl}(2)\text{--Si--O--Si})^c$	141(19)

A two-conformer model could not be ruled out.  
One C–H bond in each methyl group was assumed  
to be *anti* to the Si–O bond.  
The measurement was made at room temperature.

<sup>a)</sup> Three times the estimated standard errors.

<sup>b)</sup> Assumed.

<sup>c)</sup>  $\tau = 0^\circ$  for the *anti* position.



Shen, Q.: J. Mol. Struct. **102** (1983) 325.