

1390 **C₃H₉ClSi** **Chlorotrimethylsilane**
ED, MW

	$r_g [\text{\AA}]^a$	$r_\alpha^0 [\text{\AA}]^a$	θ_α^0	deg ^a
Si–Cl	2.076(4)	2.073(4)	C–Si–Cl	107.5(3)
Si–C	1.864(4)	1.861(4)	Si–C–H	110.0 ^b

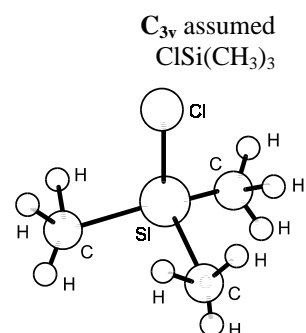
Local C_{3v} symmetry with all staggered conformation and no tilt was assumed for methyl groups. The $r_a(\text{C–H})$ distances were assumed to be 1.110 Å.

The measurements were made at room temperature.

^a) Estimated total errors.

^b) Fixed value.

Iijima, T., Shimoda, T., Hattori, H.: J. Mol. Struct. **350** (1995) 57.



MW

r_0	Å	θ_0	deg
C–H	1.095 ^a)	Si–C–H	110.15 ^a)
Si–Cl	2.022(50)	Cl–Si–C	110.5(20)
Si–C	1.857(10)		

C_{3v}

Local C_{3v} symmetry was assumed for the SiCH₃ groups.

^a) Assumed.

Durig, J.R., Carter, R.O., Li, Y.S.: J. Mol. Spectrosc. **44** (1972) 18.

See also: Mockler, R., Bailey, J.H., Gordy, W.: J. Chem. Phys. **21** (1953) 1710.