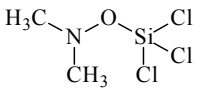
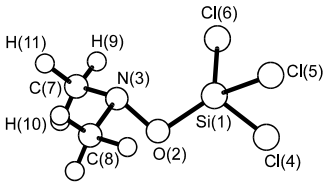
299 **$C_2H_6Cl_3NOSi$** ***N*-Methyl-*N*-[(trichlorosilyl)oxy]methanamine** **C_s** assumed
ED, *ab initio* calculations
O-Trichlorosilyl-*N,N*-dimethylhydroxylamine



r_a	Å [a])
Si–Cl(4)	2.022(4) [b])
Si–Cl(5,6)	2.024(2) [b])
Si–O	1.623(3) [b])
O–N	1.479(6) [b])
N–C(7)	1.445(4)
C(7)–H(9)	1.142(9)
C(7)–H(10)	1.146(9) [b])
C(7)–H(11)	1.150(9) [b])

θ_a	deg [a])
O–Si–Cl(4)	104.2(3)
Si–O–N	105.6(8)
O–N–C	107.0(5) [c])
C(7)–N–C(8)	114.9(7) [c])
O–Si–Cl(5,6)	113.7(2)
N–C(7)–H(9)	107.9(9) [d])
N–C(7)–H(10)	106.5(10) [c])
N–C(7)–H(11)	110.2(10) [c])
C–N–C–H(9)	–198.1(31)
C–N–C–H(10)	41.9(27) [c])
C–N–C–H(11)	–76.6(32) [c])
N–O–Si–Cl(5)	60.6(5)

Local C_s symmetry was assumed for $SiCl_3$ group.
The nozzle temperature was 20 °C.



[a]) Uncertainties were unidentified, possibly estimated total errors.
[b]) Differences in the Si–Cl, between the Si–O and O–N and in the C–H bond lengths were restrained to the values from MP2/6-31G* calculations.
[c]) Differences between the C–N–C and O–N–C and in the N–C–H bond angles as well as in the C–N–C–H torsional angles were restrained to the values from MP2/6-31G* calculations.
[d]) Restrained to the value from MP2/6-31G* calculations.

Losehand, U., Mitzel, N.W., Rankin, D.W.H.: J. Chem. Soc., Dalton Trans. (1999) 4291.