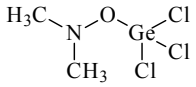
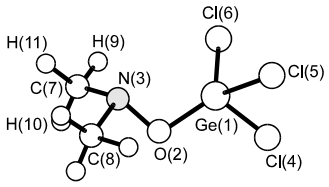
298 **$C_2H_6Cl_3GeNO$** ***O*-Trichlorogermyl-*N*,*N*-dimethylhydroxylamine** **C_s** assumed
ED, *ab initio* calculations
N-Methyl-*N*-[(trichlorogermyl)oxy]methanamine



r_a	Å [a])
Ge–Cl(4)	2.104(4) [b])
Ge–Cl(5,6)	2.106(2) [b])
Ge–O	1.759(6) [b])
O–N	1.484(9) [b])
N–C(7)	1.447(7)
C(7)–H(9)	1.095(21)
C(7)–H(10)	1.098(22) [b])
C(7)–H(11)	1.101(22) [b])

θ_a	deg [a])
O–Ge–Cl(4)	108.9(20)
Ge–O–N	104.0(11)
O–N–C	106.3(9) [c])
C(7)–N–C(8)	114.1(11) [c])
O–Ge–Cl(5,6)	111.6(12)
N–C(7)–H(9)	108.1(10) [d])
N–C(7)–H(10)	106.9(11) [c])
N–C(7)–H(11)	110.5(11) [c])
C–N–C–H(9)	–197.5(89)
C–N–C–H(10)	44.5(89) [c])
C–N–C–H(11)	–77.0(90) [c])
N–O–Ge–Cl(5)	58.9(37)

Local C_s symmetry was assumed for the $GeCl_3$ group. The vapor was found to contain $Cl_3GeON(CH_3)_2$ (52(5)%) and $GeCl_4$ (48(5)%) molecules. The structural parameters of $GeCl_4$ were assumed at the values taken from the literature. The nozzle temperature was 20 °C.



[a]) Uncertainties were not identified, possibly estimated total errors.
[b]) Differences in the Ge–Cl, between the Ge–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.