17 **CClCuO** **Carbonylchlorocopper** **$C_{\infty v}$**
MW Cl–Cu–C=O

r_0	Å [a])
C=O	1.128(1)
C–Cu	1.796(1)
Cu–Cl	2.0558(7)

$r_{I\varepsilon}$	Å [a])
C=O	1.12872(7)
C–Cu	1.79493(9)
Cu–Cl	2.05480(5)

$r_m^{(1)}$	Å [a])
C=O	1.12818(7)
C–Cu	1.7940(1)
Cu–Cl	2.05379(7)

$r_m^{(2)}$	Å [a])
C=O	1.12755(1)
C–Cu	1.79447(1)
Cu–Cl	2.053419(8)

The C=O distance is comparatively short and is close to that of free CO. The Cu–C distance is longer than that predicted by *ab initio* calculations, and the Cu–Cl distance is very similar to that observed in CuCl.

[a]) Estimated standard errors.

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