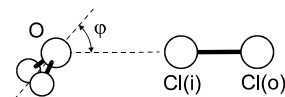


145
MW

 $\text{Cl}_2\text{H}_2\text{O}$
Dichlorine – water (1/1)
(weakly bound complex)

 C_s
(effective symmetry class)
(large-amplitude motion)
 $\text{Cl}_2 \cdot \text{H}_2\text{O}$

r_0	\AA	θ_0	deg
O...Cl(i)	2.8479(3)	φ^a	43.4(3)

 The intermolecular stretching force constant is 8.0 N m^{-1} .

^{a)} See figure for the definition.

 Davey, J.B., Legon, A.C., Thumwood, J.M.A.: J. Chem. Phys. **114** (2001) 6190.