

Structure Data of Free Polyatomic Molecules

23	ArClNa	Argon – sodium chloride (1/1)	C_{∞v}
MW		(weakly bound complex)	(effective symmetry class) (large-amplitude motion)
			Ar · NaCl

r_0	$\text{\AA}^a)$	θ_0	$\text{deg}^a)$
Ar...Na	2.887(3)	$\theta^b)$	14(1)

The vibrationally averaged geometry of the complex is linear Ar...Na–Cl.

^{a)} Uncertainty was not estimated in the original paper.

^{b)} Average angle between the *a* inertial axis and the NaCl molecular axis.

Mizoguchi, A., Endo, Y., Ohshima, Y.: J. Chem. Phys. **109** (1998) 10539.