

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
21	Cyanide Ion	$\cdot\text{OH} + \text{CN}^- \longrightarrow \cdot\text{C}(\text{OH})=\text{N}$		7.6×10^9	Average of 3 values.	
			7.3-11.9	7.1×10^9	p.r.; P.b.k.; product structure detd. by esr [752174].	761079
				8×10^9	p.r.; C.k.; product hydrolyzes to $\cdot\text{CONH}_2$ which disproportionates to formamide and cyanate; reference rate not given; rel. to $k(\cdot\text{OH} + \text{Fe}(\text{CN})_6^{4-})$.	771115
			10.6	7.6×10^9	p.r.; C.k. (borate buffer); adduct protonates and rearranges to $\cdot\text{CONH}_2$; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$.	741132