

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
6	Thiocyanate Ion	$\text{O}^{\bullet-} + \text{SCN}^- \longrightarrow \text{OH}^- + \text{HOSCN}^-$	6-7	1.8×10^9	p.r.; C.k. at high solute concn.; rel. to $\text{O}^- + \text{EtOH}$.	710137
			13	3.7×10^9	p.r.; P.b.k. at 390 nm. (HOSCN-)	720126
			alk.	1.1×10^9	p.r.; P.b.k. in soln. contg. 0.36 mol L ⁻¹ NaOH; $k = 1.3 \times 10^9$ at 1.08 mol L ⁻¹ NaOH.	710137
			13.5	1.0×10^9	p.r.; P.b.k. at 500 nm in soln. contg. 0.4 mol L ⁻¹ KOH.	650386