

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
24	Water	$O^{\cdot -} + H_2O \longrightarrow OH^- + \cdot OH$	alk.	1.7×10^6	p.r.; C.k.; soln. contains ferrocyanide with methanol or ethanol and 0.36-1.1 mol L ⁻¹ OH ⁻ ; assumed $k(\cdot O^- + Fe(CN)_6^{4-}) \leq 3 \times 10^7$, $k(\cdot O^- + EtOH) = 9.8 \times 10^8$, $k(\cdot O^- + MeOH) = 5.3 \times 10^8$.	710137
			11	1.7×10^6	p.r.; C.k. with CO ₃ ²⁻ ; N ₂ O and O ₂ -satd. solns.	700511