

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
498	Acetone	$\text{e}_{\text{aq}}^- + \text{CH}_3\text{COCH}_3 \longrightarrow (\text{CH}_3)_2\text{CO}^{\bullet-}$			6.5×10^9	Average of 6 val
				8.0×10^9	p.r.; D.k.	85A282
				5.8×10^9	p.r.; D.k.	84A357
				5.6×10^9	p.r.; D.k. at 600 nm; also see [79A145].	80A116
				7.2×10^9	p.r.; D.k.	79A109
				6.5×10^9	p.r.; D.k. at 600 nm; k unchanged in water-ethanol mixtures.	731008
7				5.9×10^9	p.r.; D.k.; 10^{-3} mol L ⁻¹ MeOH present, at pH 11, 14 and 3 mol L ⁻¹ OH ⁻ $k = 5.6 \times 10^9$, 5.2×10^9 and 4.2×10^9 , resp.	650047