

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
249	Acetate Ion	.OH + CH ₃ CO ₂ ⁻ → .CH ₂ CO ₂ ⁻ + H ₂ O		8.5 × 10 ⁷	Average of 4 values.	
			10.7	7.4 × 10 ⁷	p.r.; P.b.k. at 350 nm as well as d.k. of OH at 250 nm.	81A901
				1.0 × 10 ⁸	p.r.; C.k.; obs. I ₂ ⁻ , rel. to $k(.OH + I^-)$.	730020
			nat.	7.9 × 10 ⁷	p.r.; C.k.; rel. to $k(.OH + Fe(CN)_6^{4-})$.	710578
				8.5 × 10 ⁷	p.r.; P.b.k. at 350 nm.	710578