

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments
620	1,4-Dioxane	$\cdot\text{OH} + \text{--O}(\text{CH}_2)_2\text{O}(\text{CH}_2)_2\text{--} \longrightarrow$		2.8×10^9	Average of 2 values.
		$\text{--O}\dot{\text{C}}\text{HCH}_2\text{O}(\text{CH}_2)_2\text{--} + \text{H}_2\text{O}$	3.1×10^9	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$.	80A441
		7	2.5×10^9	p.r.; C.k.; obs. I_2^- formn. at 400 nm; rel. to $k(\cdot\text{OH} + \text{I}^-)$.	650010