No.	Compound name	Reaction equation	pH	Rate constant ($L\,mol^{-1}\,s^{-1}$)	Comments	Reference
8.1	Chlorine dioxide	$ClO_2^{\cdot} + {}^{\cdot}OH \longrightarrow H^+ + ClO_3^-$	~ 7	4.0×10^9	p.r.; D.k. at 360 nm in N2O-satd. soln.	85A039
8.2			alk.	2.7×10^9	p.r.; D.k. at 360 nm in N2O-satd. soln.	85A039