

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
422	Peroxodisulfate Ion	$\text{e}_{\text{aq}}^- + \text{S}_2\text{O}_8^{2-} \longrightarrow \text{SO}_4^{\cdot-} + \text{SO}_4^{2-}$		$1.2 \times 10^{10}$	Average of 2 values.	