

| No. | Compound name     | Reaction equation  | pH   | Rate constant<br>(L mol <sup>-1</sup> s <sup>-1</sup> ) | Comments   | Reference |
|-----|-------------------|--|------|---|--|-----------|
| 26  | Ruthenate(VI) Ion | $\text{O}^{\cdot-} + \text{RuO}_4^{2-} \longrightarrow \text{OH}^- + \text{RuO}_4^-$ | > 13 | $2.4 \times 10^9$                                       | $\gamma$ -r.; C.k.; rel. to $k(\text{O}^{\cdot-} + \text{NO}_2^-)$ . | 680063    |