

| No. | Compound name                | Reaction equation   | pH  | Rate constant<br>(L mol <sup>-1</sup> s <sup>-1</sup> ) | Comments  | Reference |
|-----|------------------------------|---|-----|---|---|-----------|
| 933 | O-Methylhydroxylammonium ion | $\cdot\text{OH} + \text{CH}_3\text{ONH}_3^+ \longrightarrow \text{CH}_3\text{ONH} + \text{H}_2\text{O}$ | 4.5 | $< 4.0 \times 10^8$                                     | p.r.; C.k.; obs. value, could be $\sim 30\%$ lower; $pK_a = 4.6$ ; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$ | 710493    |