

No.	Reaction	Rate expression	Rate constant ($\text{cm}^3 \text{ molecule}^{-1} \text{ s}^{-1}$)	Reference
R1	$\text{NO} + \text{O}_3 \rightarrow \text{NO}_2 + \text{O}_2$	$k_{\text{R1}}[\text{NO}][\text{O}_3]$	$k_{\text{R1}} = 3.0 \times 10^{-12} \times e^{(-1500/T)}$	Burkholder et al. (2015)
R2a	$\text{NO} + \text{HO}_2 \rightarrow \text{NO}_2 + \text{OH}$	$k_{2\text{Ra}}[\text{NO}][\text{HO}_2]$	$k_{2\text{Ra}} = 3.3 \times 10^{-12} \times e^{(270/T)}$	Burkholder et al. (2015)
R2b	$\text{NO} + \text{RO}_2 \rightarrow \text{NO}_2 + \text{RO}$	$k_{2\text{Rb}}[\text{NO}][\text{RO}_2]$	$k_{2\text{Rb}} = k_{2\text{Ra}}$	Burkholder et al. (2015); Kunasek et al. (2008)