

TABLE IV. Reactions of Alkoxy, Alkylperoxy and Acylperoxy Radicals with NO and NO₂

Free radical	NO		NO ₂	
	Reaction	Reference	Reaction	Reference
OH	$\text{OH} + \text{NO} \rightarrow \text{HONO}$	Hampson and Garvin, 1978	$\text{OH} + \text{NO}_2 \rightarrow \text{HONO}_2$	Tsang et al., 1977
HO ₂	$\text{HO}_2 + \text{NO} \rightarrow \text{NO}_2 + \text{OH}$	Howard and Evenson, 1977	$\text{HO}_2 + \text{NO}_2 \rightarrow \text{HONO} + \text{O}_2$ $\quad \quad \quad \rightarrow \text{HO}_2\text{NO}_2$ ($\text{HO}_2\text{NO}_2 \rightarrow \text{HO}_2 + \text{NO}_2$)	Howard, 1977 Graham et al., 1977
RO	$\text{RO} + \text{NO} \rightarrow \text{RONO}$ ($\text{RONO} + h\nu \rightarrow \text{RO} + \text{NO}$)	Batt et al., 1977	$\text{RO} + \text{NO}_2 \rightarrow \text{RONO}_2$ $\quad \quad \quad \rightarrow \text{RCHO} + \text{HONO}$	Wiebe et al., 1973
RO ₂	$\text{RO}_2 + \text{NO} \rightarrow \text{NO}_2 + \text{RO}$ $\quad \quad \quad \rightarrow \text{RONO}_2$	Adachi and Basco 1979a, 1979b	$\text{RO}_2 + \text{NO}_2 \rightarrow \text{RO}_2\text{NO}_2$ ($\text{RO}_2\text{NO}_2 \rightarrow \text{RO}_2 + \text{NO}_2$)	Sander and Watson, 1980 Adachi and Basco, 1979c
RCO ₃	$\text{RCO}_3 + \text{NO} \rightarrow \text{NO}_2 + \text{RCO}_2$	Cox and Roffey, 1977 Hendry and Kenley, 1977	$\text{RCO}_3 + \text{NO}_2 \rightarrow \text{RCO}_3\text{NO}_2$ ($\text{RCO}_3\text{NO}_2 \rightarrow \text{RO}_3 + \text{NO}_2$)	Cox and Roffey, 1977 Hendry and Kenley, 1977