

Gas-phase reactions	f_{298}	Type	Reference
DMS + OH $\xrightarrow{\text{addition}}$...	1.2	R	Burkholder et al. (2015)
DMS + BrO \rightarrow ...	1.3	R	Burkholder et al. (2015)
DMS + O ₃ \rightarrow ...	1.2	L	Du et al. (2007)
DMS + Cl \rightarrow ...	1.2	R	Burkholder et al. (2015)
DMSO + OH \rightarrow ...	1.2	R	Burkholder et al. (2015)
MSIA + OH \rightarrow ...	1.4	R	Burkholder et al. (2015)
MSIA + O ₃ \rightarrow ...	1.5	M	Lucas and Prinn (2002)
Aqueous-phase reactions	k_{298} [M ¹⁻ⁿ s ⁻¹]	Type	Reference
DMS _(aq) + O _{3(aq)} \rightarrow ...	$(8.6 \pm 8.1) \times 10^8$	L	Gershenson et al. (2001)
	$(6.1 \pm 2.4) \times 10^8$	L	Lee and Zhou (1994)
DMSO _(g) + OH _(aq) \rightarrow ...	$(6.6 \pm 0.7) \times 10^9$	L	Zhu et al. (2003)
	7.5×10^9	M	Hoffmann et al. (2016)
	$(4.5 \pm 0.4) \times 10^9$	L	Bardouki et al. (2002)
	$(5.4 \pm 0.3) \times 10^9$	L	Milne et al. (1989)
	$(6.0 \pm 1.0) \times 10^9$	L	Sehested and Holcman (1996)
MSI ⁻ + OH _(aq) \rightarrow ...	$(1.2 \pm 0.2) \times 10^{10}$	L	Bardouki et al. (2002)
	7.7×10^9	M	Zhu et al. (2006)
MSIA + O _{3(aq)} \rightarrow ...	3.5×10^7	M	Hoffmann et al. (2016)
MSI ⁻ + O _{3(aq)} \rightarrow ...	2.0×10^6	L	Flyunt et al. (2001)
MSA _(aq) + OH _(aq) \rightarrow ...	1.5×10^7	M	Hoffmann et al. (2016)
MS ⁻ + OH _(aq) \rightarrow ...	$(1.3 \pm 0.1) \times 10^7$	L	Zhu et al. (2003)
	$(6.1 \pm 1.1) \times 10^7$	L	Milne et al. (1989)