Datasheets can be downloaded for personal use only and must not be retransmitted or disseminated either electronically or in hardcopy without explicit written permission.
The citation for the preferred values in this data sheet is: IUPAC Task Group on Atmospheric Chemical Kinetic Data Evaluation, http://iupac.pole-ether.fr.
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$$\mathbf{HO + CH_2ClCH_2OH \rightarrow CHClCH_2OH + H_2O} \quad (1)$$
$$\mathbf{\rightarrow CH_2ClCHOH + H_2O} \quad (2)$$
$$\mathbf{\rightarrow CH_2ClCH_2O + H_2O} \quad (3)$$

Rate coefficient data ($k = k_1 + k_2 + k_3$)

k/cm^3 molecule^{-1} s^{-1}	T/K	Reference	Technique/ Comments
Absolute Rate Coefficients			
$(1.28 \pm 0.09) \times 10^{-12}$	298	Wallington et al. (1988)	FP-RF (a)

Comments

(a) HO radicals were generated by the photolysis ($\lambda \geq 165$ nm) of H_2O in 25-50 Torr (33-67 mbar) of argon diluent at 298 K.

Preferred Values

Parameter	Value	T/K
k /cm^3 molecule^{-1} s^{-1}	1.3×10^{-12}	298
Reliability		
$\Delta \log k$	0.20	298

Comments on Preferred Values

The absolute rate coefficient reported by Wallington et al. (1988) forms the basis of the recommendation.

References

Wallington, T. J., Dagaut, P., and Kurylo, M. J.: J. Phys. Chem., 92, 5024, 1988.