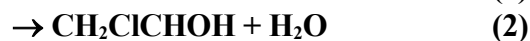


# IUPAC Task Group on Atmospheric Chemical Kinetic Data Evaluation Data Sheet oClOx90; VII.A5.13

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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>.

This datasheet last evaluated: June 2015; last change in preferred values: June 2009



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

$k/\text{cm}^3 \text{ molecule}^{-1} \text{ s}^{-1}$	$T/\text{K}$	Reference	Technique/ Comments
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### *Absolute Rate Coefficients*

$(1.28 \pm 0.09) \times 10^{-12}$	298	Wallington et al. (1988)	FP-RF (a)
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### Comments

- (a) HO radicals were generated by the photolysis ( $\lambda \geq 165 \text{ nm}$ ) of  $\text{H}_2\text{O}$  in 25-50 Torr (33-67 mbar) of argon diluent at 298 K.

## Preferred Values

Parameter	Value	$T/\text{K}$
$k / \text{cm}^3 \text{ molecule}^{-1} \text{ s}^{-1}$	$1.3 \times 10^{-12}$	298
<i>Reliability</i>		
$\Delta \log k$	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.