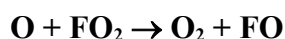


IUPAC Task Group on Atmospheric Chemical Kinetic Data Evaluation – Data Sheet iFOx2

Website: <http://iupac.pole-ether.fr>. See website for latest evaluated data. 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 this data sheet is: Atkinson, R., Baulch, D. L., Cox, R. A., Crowley, J. N., Hampson, R. F., Hynes, R. G., Jenkin, M. E., Rossi, M.J., and Troe, J.: Atmos. Chem. Phys., 7, 891, 2007; IUPAC Task Group on Atmospheric Chemical Kinetic Data Evaluation, <http://iupac.pole-ether.fr>.

This datasheet last evaluated: June 2014; last change in preferred values: June 1989.



$$\Delta H^\circ = -166 \text{ kJ}\cdot\text{mol}^{-1}$$

Rate coefficient data: no available experimental data.

Preferred Values

Parameter	Value	T/K
$k / \text{cm}^3 \text{ molecule}^{-1} \text{ s}^{-1}$	5×10^{-11}	298
<i>Reliability</i> $\Delta \log k$	± 0.7	298

Comments on Preferred Values

There are no experimental data for this reaction. The rate constant for such a radical-atom process is expected to approach the gas collision frequency and is not expected to exhibit a strong temperature dependence.