

	row.names	reactant_1	reactant_2	reactant_3	product_1	product_2	product_3	A	n	E_A
1	1	H	O2	NA	O	OH	NA	$3.6 \times 10^9$	-0.41	69454.40
2	2	H	H	H2	H2	H2	NA	$1 \times 10^5$	NA	NA
3	3	H	H	H2O	H2	H2O	NA	$1 \times 10^7$	NA	NA
4	4	O	H2	NA	OH	H	NA	NA	NA	NA
5	6	OH	OH	NA	O	H2O	NA	$4.3 \times 10^{-3}$	2.70	J/mol
6	7	OH	H2	NA	H	H2O	NA	$2.1 \times 10^2$	1.52	14430.62
7	8	H2	O2	NA	HO2	H	NA	$7.4 \times 10^{-1}$	2.43	223852.37
8	9	HO2	H	NA	OH	OH	NA	$8.4 \times 10^7 \exp \left( - \backslash, \frac{1673.60 \backslash \mathrm{J/mol}}{\mathrm{R}} \right)$	NA	NA
9	10	HO2	H	NA	H2O	O	NA	$1.4 \times 10^6 \backslash \mathrm{m^3/(mol*s)}$	NA	NA
10	11	HO2	O	NA	OH	O2	NA	$1.6 \times 10^7 \exp \left( \frac{1861.88 \backslash \mathrm{J/mol}}{\mathrm{R}} \right)$	NA	NA