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Author(s) M W. Chase. Citation. NIST-JANAF Thermochemical Tables 2 Volume-Set (Journal of Physical and Chemical Reference Data Monographs) Publisher Info. American Institute of Physics, -1. Pub Type. Books. Chemistry and Reference data. Created August 1, 1998, Updated ...

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JANAF Thermochemical Tables, you might find the introduction to Volume 1 of the Fourth Edition to be a great resource. If you are interested in finding the most up-to-date thermochemical data, the Active Thermochemical Tables (ATcT) project hosted by Argonne National Laboratories (ANL) under the supervision of Dr. Branko Ruscic may be helpful.

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Oxygen (O₂): O₂ (ref): Enthalpy
Reference Temperature = $T_r = 298.15$
K Standard State Pressure = $p^\circ = 0.1$
MPa $J \cdot K^{-1} \text{ mol}^{-1}$ $kJ \cdot \text{mol}^{-1}$; T/K C_p° S° $-\ln G^\circ$
 $-\ln H^\circ(T_r)/TH - H^\circ(T_r) f H^\circ f G^\circ \log K f$;
0: 0. 0. INFINITE-8.683: 0. 0. 0. 100:
29.106: 173.307: 231.094

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PAGE 1 Al1(ref) Aluminum (Al) 61 2
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Aluminum (Al) 63 1759 Al1(cr,l)
Aluminum (Al) 64 4 Al1(g) Aluminum (Al)
65 843 Al1+(g) Aluminum, ion (Al+) 66
1521 Al1-(g) Aluminum, ion (Al-) 67 887
Al1B1O2(g) Aluminum borate ...

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