Be_2O

BeO | Вр-27а-X | 1951

L. Brewer L; et al.

(ΔH_f, G_f) J. Amer. Chem. Soc.

1954, 73 (5), 2045 –

(перевод)

К 2145 1956

$Be(OH)_2$; $HBeO_2^-$, BeO_2^{2-}, Be^{2+},
Be_2O^{2+} (кр, ΔF^o)

Gilbert R.A., Garrett A.B.,
J. Amer. Chem. Soc., 1956, 78,
N21, 5501-5505

см. также
R.Z., 1957, 47390

IX 2458

1959

Be, Be_2, Be_2O (P)

Аношкина В. М., Лебедева Л. Н.,

Пинкевич Т. Р., Финкель В. А.

Докл. АН СССР, 1959, 128, 977-8

С. А., 1964, 60, N 3, 2501e

$Be_2O(g)$ BP IX-2315 1964

$\Delta H^\circ_{f\,298}$

Heat of formation of $Be_2O(g)$ by mass spectrometry. Lowell P. Theard and Donald L. Hildenbrand (Philco Res. Labs., Newport Beach, Calif.). *J. Chem. Phys.* 41(11), 3416–20(1964) (Eng). Mass-spectrometric Knudsen effusion expts. have provided evidence for the existence of the suboxide species $Be_2O(g)$ in the equil. vapor above cryst. Be oxide at ~2300°K. Be_2O^+ ions form both by simple ionization of $Be_2O(g)$ and by fragmentation of a larger mol. The relative importance of the 2 processes is temp. dependent. An av. value of -8 ± 10 kcal./mole was obtained for $\Delta H_f^\circ{}_{298}[Be_2O(g)]$ from 3rd-law calcns. for 3 equil. Mass spectral data are given for the equil. vapor above Be oxide at 2380°K. in the presence of W. RCJQ

C.A. 1965. 62. 2
1127d.

BeF, BeF_2, BeCl, $BeCl_2$, Be_2O, BeOH, 9 1965
$Be(OH)_2$, Be (ΔH_{f298}) 1Z 127
Hildenbrand D.L., Theard L.P., Murad E.
Ju P.,
Nasa Accession No. N65-29905, Ref. No.
AFRPL-TR-65-95, 1965, 75pp. 12
Investigation of thermodynamic