

Be₂O

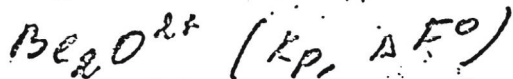
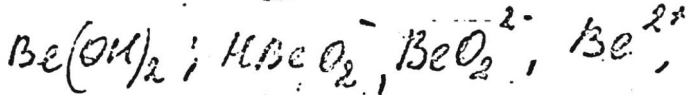
Be_2O [Bp-27a-X] 1951

L. Brewer L; et al.

(ΔH_f , Gf) J. Amer. Chem. Soc.
1951, 73 (5), 2045-
(непечог)

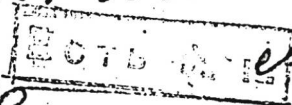
K 2145

1956



Gilbert R.A., Garrett A.B.,

J. Amer. Chem. Soc., 1956, 78,
N21, 5501-5505



dis

P.X., 1957, 47390

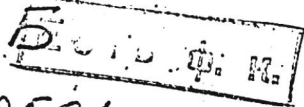
IX 2458

1959

Be , Be_2 , Be_2O (P)

Амоченко В. М., Рядчиков Л. Н.,
Тихонинский Т. Ф., Ринкель В. А.

Докл. АН СССР, 1959, 128, 377-8



С. А., 1964, 60, N 3, 2501e

$\text{Be}_2\text{O}(\text{g})$

BSP. IX - 2315

1964

$\Delta H^\circ_f 298$

Heat of formation of $\text{Be}_2\text{O}(\text{g})$ 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 $\text{Be}_2\text{O}(\text{g})$ in the equil. vapor above cryst. Be oxide at $\sim 2300^\circ\text{K}$. Be_2O^+ ions form both by simple ionization of $\text{Be}_2\text{O}(\text{g})$ and by fragmentation of a larger mol. The relative importance of the 2 processes is temp. dependent. An av. value of $-8 \pm 10 \text{ kcal./mole}$ was obtained for $\Delta H^\circ_{f, 298}[\text{Be}_2\text{O}(\text{g})]$ from 3rd-law calcs. 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
 $\text{Be}(\text{OH})_2$, $\text{Be} (\Delta H_{\text{fuss}})$ 12127

Hildenbrand D.H., Theard L.P., Murad E.

Jy P.

Nasa Accession No. N65-29905, Rept. No.
AFRPL-TR-65-95, 1965, 75pp. 12

Investigation of Thermodynamic