

GeH_3

Ge H₃ (nas) ΔHf

~~1971~~

Мельберг В.А.

3570 - IV ТХВ

Инструкция по образованию
реакции Ge H₃ (nas), Be.



GeH_3^+ (gas) ΔH_f ~~1971~~

Мельберг В. А. 3571-IVTKB

Энтальпия образования
роутикам-иона GeH_3^+ (gas), 2с.

130p - M1612 - 1V

1966

GeH₃
SiH₃;

Mass spectra of volatile hydrides. IV. Silylgermane. Fred E. Saalfeld (U.S. Naval Res. Lab., Washington, D.C.) and Harry J. Svec. *J. Phys. Chem.* 70(6), 1753-5(1966)(Eng); cf. CA 61, 11453a. Mass spectra of silylgermane and the related hydrides silane, disilane, germane, and digermane have been studied. Pos. ion fragmentation patterns were measured using 70-v. electrons. From the appearance potentials of selected ions of these compds. the following thermochem. values have been calcd. (in kcal./mole): $\Delta H_f^\circ(\text{SiGeH}_6) = 7.5$; $D(\text{H}_3\text{Si-GeH}_3) = 99.9$; $D(\text{H}_3\text{Si-SiH}_3) = 84$; $D(\text{H}_3\text{Ge-GeH}_3) = 75.5$; $\Delta H_f^\circ(\text{SiH}_3) = 50.4$; $\Delta H_f^\circ(\text{GeH}_3) = 57$; $e.a.(\text{SiH}_3) = -39.1$; $e.a.(\text{GeH}_3) = -32.3$, where $e.a.$ is the electron affinity. RCKG

C.A. 1966.65.4
4816d

Ge H₃

1982

Almond Matthew J.,
Doncaster Alan M., et al.

ΔH_f° ; J. Amer. Chem. Soc., 1982,
104, N 17, 4717-4718.

(see H₃Ge-H; III)

GeH₃ (2)

[Om. 17006]

1983

Kp, SH,

Noble P.N., Walsh R.,
J. Chem. Kinet., 1983,
15, N 6, 561-568.

Ge H₃

1985

Tellefsen M., Kaldis E.
et al.

T₂,
C₆₀pyrim.

Helv. phys. acta, 1985,
58, NS, 801-804.

(see. Ge H₂; I)

1992
 GeH_3 Mloc J., Rudziński J. M.
et al.

Chem. Phys. 1992. 159,
u. n. N 2, C. 197 - 210.

(cer. ● SiH_3 ; III)

1997.

$\text{C}_{60}\text{H}_{12}$
 $\text{C}_{60}\text{H}_{12}$ -

Mayer, P.M. et al;

Int. J. Mass Spectrom.
Ion Processes 1997,
167/168, 689-696

($\Delta_5\text{H}$)

(see C_{60}H_4 ; I)