



>>Entry Name: Beryllium hydrides

[BeH]

Molecular Formula: BeH₂

Molecular Weight: 11.028

Accurate Mass: 11.027832

Percentage Composition: Be 81.72%; H 18.28%

>>Variant: Beryllium hydride (BeH)

CAS Registry Number: 13597-97-2

Molecular Formula: BeH

Molecular Weight: 10.02

Accurate Mass: 10.020007

Percentage Composition: Be 89.94%; H 10.06%

Physical Description: Not isol.; no clear phys. description exists

>>Variant: Beryllium hydride (BeH₂)

CAS Registry Number: 7787-52-2

Molecular Formula: BeH₂

Molecular Weight: 11.028

Accurate Mass: 11.027832

Percentage Composition: Be 81.72%; H 18.28%

General Statement: Struct. based on a network of corner-sharing BeH₄ tetrahedra

Source/Synthesis: Synth. by pyrolysis of Bu^t₂Be.2Et₂O

Physical Description: Amorph. solid or cryst.

References:

Brendel, G.J. *et al.*, *Inorg. Chem.*, 1978, **17**, 3589-3591, (*crystn*)

Baker, R.W. *et al.*, *J. Organomet. Chem.*, 1978, **159**, 123-130, (*synth*)

Smith, G.S. *et al.*, *Solid State Commun.*, 1988, **67**, 491-494, (*cryst struct*)

Senin, M.D. *et al.*, *Neorg. Mater.*, 1993, **29**, 1582-1586; *CA*, **120**, 181504g, (*rev*)