



>>Entry Name: Triethylborane, 12Cl, 9Cl

Synonym(s): Boron triethyl. Triethylborine

CAS Registry Number: 97-94-9

BEt₃

Molecular Formula: C₆H₁₅B

Molecular Weight: 97.995

Accurate Mass: 98.12668

Percentage Composition: C 73.54%; H 15.43%; B 11.03%

Use/Importance: Commercially available

Physical Description: Fuming liq.

Melting Point: Mp -92.5°

Boiling Point: Bp 95°

Density: d₄²³0.7

Hazard & Toxicity: Spontaneously flammable; ignites in contact with Cl₂ or Br₂. Toxic; inhalation causes pulmonary irritation and convulsions. LD₅₀ (rat, orl) 235 mg/kg

Aldrich: 19503-0

Fluka: 90371

References:

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Haubold, W. *et al.*, *Z. Anorg. Allg. Chem.*, 1976, **420**, 251, (*ir, Raman*)

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Liou, K.-F., *J. Organomet. Chem.*, 1985, **284**, 145, (*synth*)

Lin, Y.T. *et al.*, *J. Organomet. Chem.*, 1986, **317**, 277, (*synth*)

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