



>>Entry Name: **Tris(trimethylsilyl)amine**

Synonym(s): 1,1,1-Trimethyl-*N,N*-bis(trimethylsilyl)silanamine, 9Cl. 1,1,1,3,3,3-Hexamethyl-2-(trimethylsilyl)disilazane, 8Cl

CAS Registry Number: 1586-73-8

(Me₃Si)₃N

Molecular Formula: C₉H₂₇NSi₃

Molecular Weight: 233.575

Accurate Mass: 233.14513

Percentage Composition: C 46.28%; H 11.65%; N 6.00%; Si 36.07%

Source/Synthesis: Synth. from Li₃N + Me₃SiCl

Physical Description: Solid

Melting Point: Mp 70-71°

Boiling Point: Bp₂₆ 97-98°. Bp₁₂ 76°

Aldrich: 36012-0

Fluka: 93438

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 678C, (*nmr*)

Inorg. Synth., 1966, **8**, 19

Shiina, K., *J.A.C.S.*, 1972, **94**, 9266, (*synth*)

Nöth, H. *et al.*, *Chem. Ber.*, 1974, **107**, 518, (*N-14 nmr*)

Wiberg, N. *et al.*, *J. Organomet. Chem.*, 1974, **70**, 239, (*synth*)

Ekouya, A. *et al.*, *J. Organomet. Chem.*, 1978, **148**, 225, (*synth*)