>>**Entry Name: Tetra-2-propenylsilane,** 10Cl
Synonym(s): Tetraallylsilane, 8Cl

CAS Registry Number: 1112-66-9

$(H_2C{=}CHCH_2)_4Si$

Molecular Formula: $C_{12}H_{20}Si$
Molecular Weight: 192.375
Accurate Mass: 192.133427
Percentage Composition: C 74.92%; H 10.48%; Si 14.60%
Source/Synthesis: Synth. from (allyl)MgCl and $SiCl_4$
Use/Importance: With WCl_6 and O_2 or H_2O to activate, catalyst for ROMP
Physical Description: Liq.
Boiling Point: Bp 215-216°. Bp_{10} 87°
Density: d_4^{20} 0.834

Aldrich: 42506-0
Fluka: 86717

References:

Butler, G.B. *et al.*, *J. Macromol. Sci., Chem.*, 1969, **3**, 803, *(uv)*
Fishwick, M. *et al.*, *J. Organomet. Chem.*, 1970, **25**, 69, *(synth)*
Inorg. Synth., 1971, **13**, 73, *(synth)*
Wallbridge, M.G.H. *et al.*, *J.C.S.(A)*, 1971, 57, *(ms)*
Davidson, G. *et al.*, *Spectrochim. Acta A*, 1973, **29**, 1265, *(ir, Raman)*
Delmulle, L. *et al.*, *J. Mol. Struct.*, 1980, **66**, 315, *(pmr, cmr, Si-29 nmr)*
Amass, A.J. *et al.*, *Eur. Polym. J.*, 1981, **17**, 1, *(use, ROMP catalyst)*