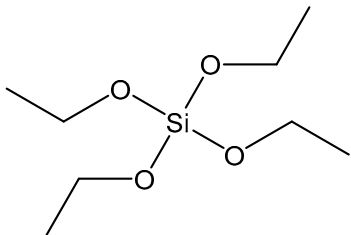
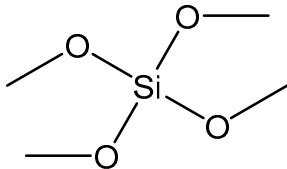
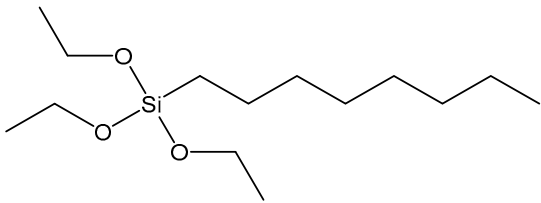
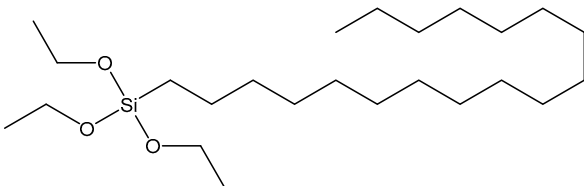
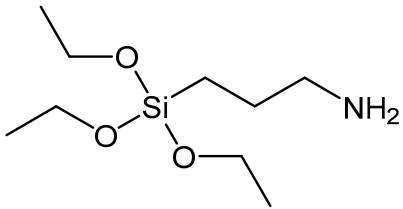
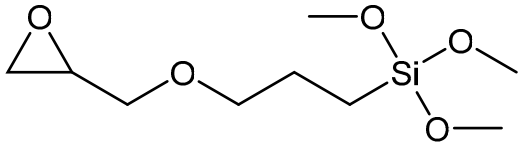
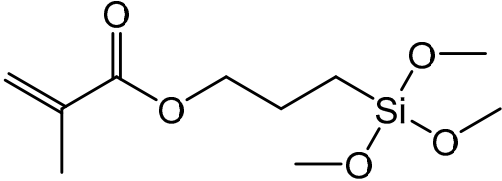
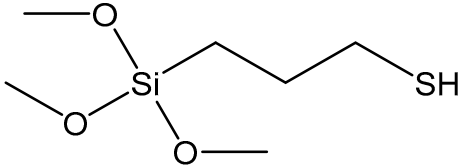
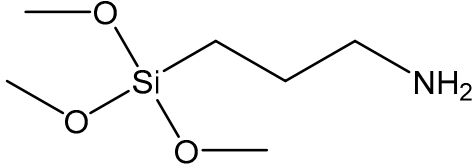
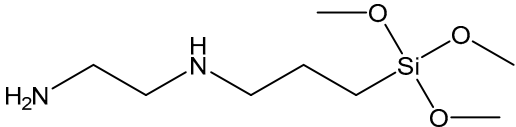
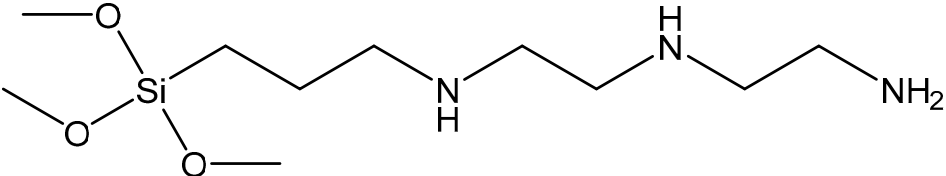
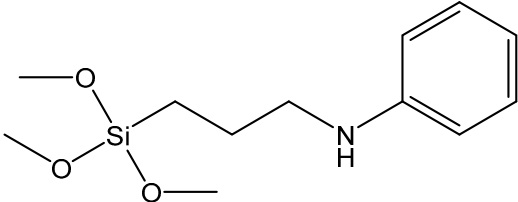
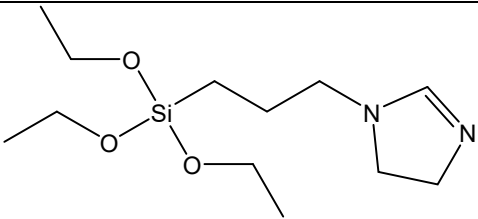


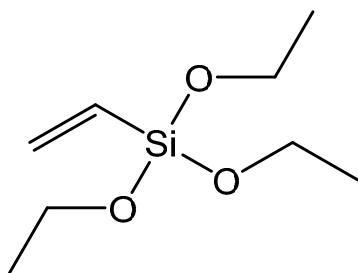
Supplementary Materials: Kinetics of Alkoxysilanes and Organoalkoxysilanes Polymerization: A Review

Ahmed A. Issa and Adriaan S. Luyt

Table S1. Commonly used silanes.

Silane	Silane
 Abbreviation: TEOS Name: Tetraethoxy silane OR tetraethyl orthosilicate Molecular weight: 208.3 g mol⁻¹ Density: 0.933 g cm⁻³	 Abbreviation: TMOS Name: Tetramethoxy silane, tetramethyl orthosilicate Molecular weight: 152.3 g mol⁻¹ Density: 1.023 g cm⁻³
 Abbreviation: OTES or OES Name: Octyl triethoxysilane OR triethoxy(octyl)silane Molecular weight: 276.2 g mol⁻¹ Density: 0.88 g cm⁻³	 Abbreviation: ODTES Name: Octadecyl triethoxysilane OR triethoxy(octadecyl)silane Molecular weight: 416.8 g mol⁻¹ Density: 0.883 g cm⁻³
 Abbreviation: APTS, PES, or γ-APS Name: (3-Aminopropyl)triethoxysilane Molecular weight: 221.4 g mol⁻¹ Density: 0.946 g cm⁻³	 Abbreviation: GPS, γ-GPS, or GTMS Name: (3-Glycidyloxypropyl)trimethoxysilane Molecular weight: 236.3 g mol⁻¹ Density: 1.07 g cm⁻³

 Abbreviation: MPMS, γ-MPS, and MPTMS Name: 3-(Trimethoxysilyl)propyl methacrylate Molecular weight: 248.4 g mol⁻¹ Density: 1.045 g cm⁻³	 Abbreviation: MRPMS or McPTMS Name: 3-mercaptopropyl trimethoxy silane Molecular weight: 196.4 g mol⁻¹ Density: 1.057 g cm⁻³
 Abbreviation: PTMS Name: 3-aminopropyl trimethoxy silane Molecular weight: 179.3 g mol⁻¹ Density: 1.027 g cm⁻³	 Abbreviation: DAMS Name: 3-(2-aminoethylamino)propyl trimethoxy silane Molecular weight: 222.4 g mol⁻¹ Density: 1.028 g cm⁻³
 Abbreviation: TAMS Name: 3-[2-(2-aminoethylamino)ethylamino]propyl trimethoxy silane Molecular weight: 265.4 g mol⁻¹ Density: 1.03 g cm⁻³	
 Abbreviation: PAPMS Name: trimethoxy [3-(phenylamino)propyl] silane Molecular weight: 225.4 g mol⁻¹ Density: 1.07 g cm⁻³	 Abbreviation: IZPES Name: triethoxy-3-(2-imidazolin-1-yl)propyl silane Molecular weight: 274.4 g mol⁻¹ Density: 1.005 g cm⁻³

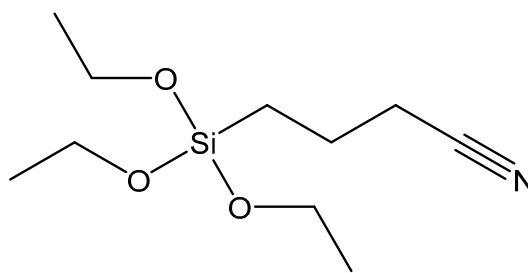


Abbreviation: VES

Name: vinyl triethoxy silane

Molecular weight: 190.3 g mol⁻¹

Density: 0.903 g cm⁻³

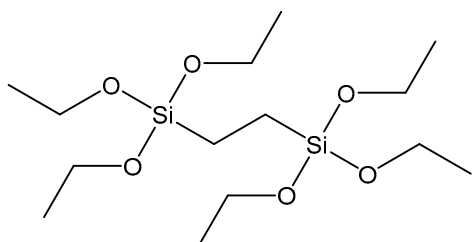


Abbreviation: Cyano, CPES, or 4-TBN

Name: 3-cyanopropyl triethoxy silane

Molecular weight: 231.4 g mol⁻¹

Density: 0.966 g cm⁻³

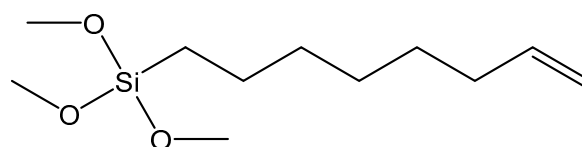


Abbreviation: BTSE

Name: bis-1,2-(triethoxysilyl)ethane

Molecular weight: 354.6 g mol⁻¹

Density: 0.958 g cm⁻³

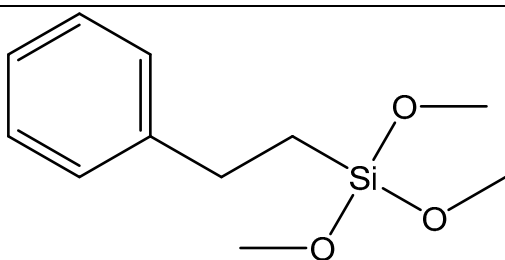


Abbreviation: OEMS

Name: (7-octen-1-yl) trimethoxy silane

Molecular weight: 232.4 g mol⁻¹

Density: 0.928 g cm⁻³

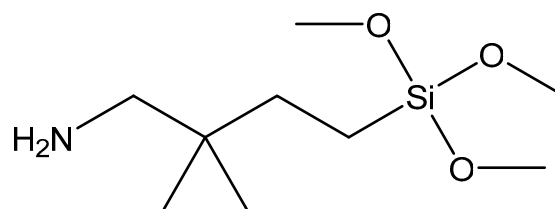


Abbreviation: PEMS

Name: trimethoxy (2-phenylethyl) silane

Molecular weight: 226.4 g mol⁻¹

Density: 1.033 g cm⁻³

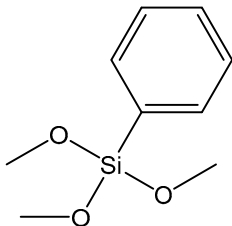
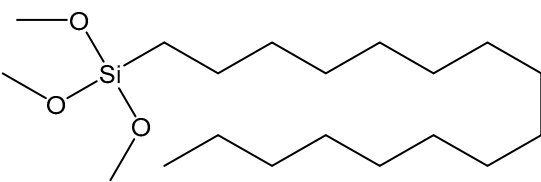
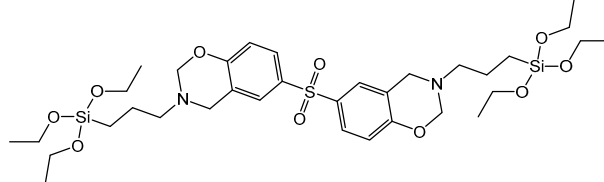
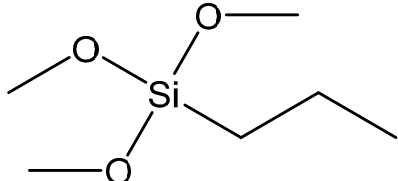
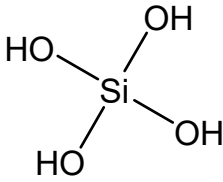
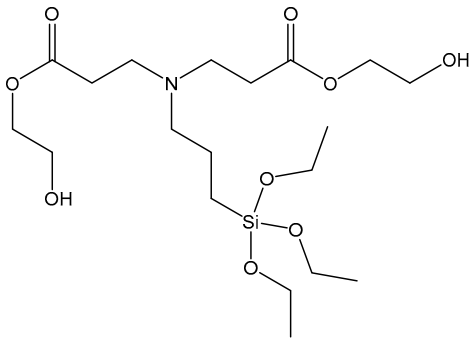
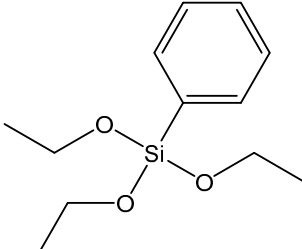


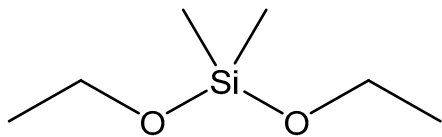
Abbreviation: ADBMS

Name: 4-amino-3,3-dimethyl butyl trimethoxy silane

Molecular weight: 221.4 g mol⁻¹

Density: -

 Abbreviation: PTMS Name: Phenyl trimethoxy silane Molecular weight: 198.3 g mol⁻¹ Density: 1.062 g cm⁻³	 Abbreviation: HDTMS Name: Hexadecyl-trimethoxy-silane Molecular weight: 346.6 g mol⁻¹ Density: 0.89 g cm⁻³
 Abbreviation: BS-b Name: triethoxysilane-based benzoxazine Molecular weight: 741.1 g mol⁻¹ Density: -	 Abbreviation: nPrTMS Name: propyl trimethoxy silane Molecular weight: 164.3 g mol⁻¹ Density: 0.932 g cm⁻³
 Abbreviation: silicic acid Name: silicic acid Molecular weight: 96.1 g mol⁻¹ Density: -	
 Abbreviation: - Name: bis(2-hydroxyethyl) 3,3'-((3-(triethoxysilyl)propyl)azanediyl)dipropionate Molecular weight: 453.6 g mol⁻¹ Density: -	 Abbreviation: PhTES or PTES Name: Phenyltriethoxysilane Molecular weight: 240.4 g mol⁻¹ Density: 0.996 g cm⁻³

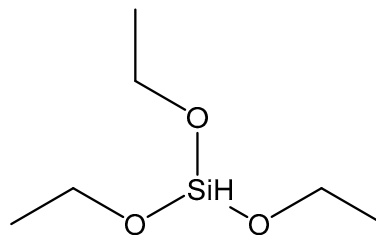


Abbreviation: DMDEOS

Name: dimethyldiethoxysilane

Molecular weight: 148.3 g mol⁻¹

Density: 0.865 g cm⁻³

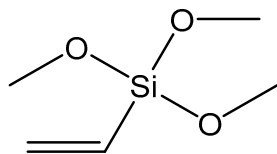


Abbreviation: TES

Name: Triethoxysilane

Molecular weight: 164.3 g mol⁻¹

Density: 0.89 g cm⁻³

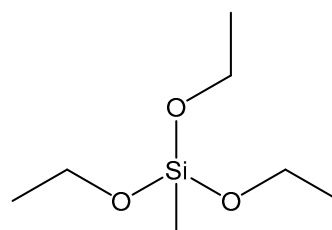


Abbreviation: VMS

Name: Vinyl trimethoxy silane

Molecular weight: 148.2 g mol⁻¹

Density: 0.968 g cm⁻³

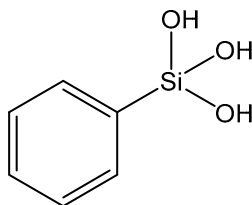


Abbreviation: MTES

Name: Methyltriethoxysilane

Molecular weight: 178.3 g mol⁻¹

Density: 0.895 g cm⁻³

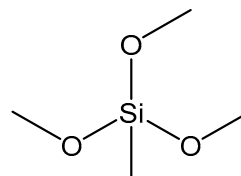


Abbreviation: phenylsilanetriol

Name: phenylsilanetriol

Molecular weight: 156.2 g mol⁻¹

Density: -



Abbreviation: MTMS

Name: Methyltrimethoxy silane

Molecular weight: 136.2 g mol⁻¹

Density: 0.955 g cm⁻³