SILANAMINE, 1,1,1-TRIMETHYL-N,N-BIS(TRIMETHYLSILYL)-

Other names: Silanamine, 1,1,1-trimethyl-N,N-bis(trimethylsilyl)-
Amine, tris(trimethylsilyl)-
Nonamethyltrisilazane
((CH3)3Si)3N
1,1,1-trimethyl-N,N-bis(trimethylsilyl)silylamine

Inchi: InChI=1S/C9H27NSi3/c1-11(2,3)10(12(4,5)6)13(7,8)9/h1-9H3

InchiKey: PEGHITPVRNZWSI-UHFFFAOYSA-N

Formula: C9H27NSi3

SMILES: C[Si](C)(C)N([Si](C)(C)C)[Si](C)(C)C

Mol. weight [g/mol]: 233.58

Physical Properties

Property code	Value	Unit	Source
hvap	42.64	kJ/mol	Cheméo Relay (1.0)
ie	8.60	eV	NIST Webbook
logp	3.793		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	1.77	kJ/mol	337.20	NIST Webbook

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1586738&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hfust:	Enthalpy of fusion at a given temperature
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient