N,N-Diethyl-1,1,1-trimethylsilylamine

Other names:	N,N-Diethylaminotrimethylsilane
	(CH3)3SiN(C2H5)2
	N-Trimethylsilyldiethylamine
	N,N-Diethyl-trimethylsilylamine
	Trimethyl-N,N-diethylaminosilane
	Diethylaminotrimethylsilane
	Silanamine, N,N-diethyl-1,1,1-trimethyl-
	CD4450
	TMSDEA
	Trimethylsilyldiethylamine
	Trimethylsilyl-diethylamin
	NSC 377650
Inchi:	InChI=1S/C7H19NSi/c1-6-8(7-2)9(3,4)5/h6-7H2,1-5H3
InchiKey:	JOOMLFKONHCLCJ-UHFFFAOYSA-N
Formula:	C7H19NSi
SMILES:	CCN(CC)[Si](C)(C)C
Mol. weight [g/mol]:	145.32
CAS:	996-50-9

Physical Properties

Property code	Value	Unit	Source
hvap	37.90 ± 0.80	kJ/mol	NIST Webbook
ie	7.68	eV	NIST Webbook
ie	8.06 ± 0.02	eV	NIST Webbook
log10ws	0.63		Crippen Method
logp	2.163		Crippen Method
rinpol	817.00		NIST Webbook
rinpol	817.00		NIST Webbook
tb	399.50 ± 0.50	K	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature