2,2,4,4,6,6-Hexamethylcyclotrisilazane

Other names:	Hexamethylcyclotrisilazane
	1,1,3,3,5,5-Hexamethylcyclotrisilazane
	Cyclotrisilazane, 2,2,4,4,6,6-hexamethyl-
	Dimethylsilazane trimer
	CH7250
	H7250
	Cyclotrisilazane, hexamethyl-
	NSC 139842
Inchi:	InChI=1S/C6H21N3Si3/c1-10(2)7-11(3,4)9-12(5,6)8-10/h7-9H,1-6H3
InchiKey:	WGGNJZRNHUJNEM-UHFFFAOYSA-N
Formula:	C6H21N3Si3
SMILES:	C[Si]1(C)N[Si](C)(C)N[Si](C)(C)N1
Mol. weight [g/mol]:	219.51
CAS:	1009-93-4

Physical Properties

Property code	Value	Unit	Source
log10ws	4.30		Crippen Method
logp	0.874		Crippen Method
tb	461.00	K	NIST Webbook
tt	254.40 ± 0.20	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	15.17	kJ/mol	254.40	NIST Webbook
hfust	15.17	kJ/mol	254.40	NIST Webbook
hvapt	45.60	kJ/mol	399.00	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1009934&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hfust:	Enthalpy of fusion at a given temperature
hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tb:	Normal Boiling Point Temperature
tt:	Triple Point Temperature