SILANE, HEXYLTRIMETHYL-

Inchi: InChI=1S/C9H22Si/c1-5-6-7-8-9-10(2,3)4/h5-9H2,1-4H3
InchiKey: WUMVEFJJSIUCJJ-UHFFFAOYSA-N
Formula: C9H22Si
SMILES: CCCCCC[Si](C)(C)C
Mol. weight [g/mol]: 158.36

Physical Properties

Property code	Value	Unit	Source
af	0.3961		Cheméo Relay (1.0)
gf	27.59	kJ/mol	Cheméo Relay (1.0, beta)
hf	-342.92	kJ/mol	Cheméo Relay (1.0)
hvap	41.88	kJ/mol	Cheméo Relay (1.0)
ie	9.32	eV	Cheméo Relay (1.0)
log10ws	-5.15		Cheméo Relay (1.0)
logp	3.905		Crippen Method
pc	1845.00	kPa	Cheméo Relay (1.0, beta)
rinpol	904.00		NIST Webbook
tb	437.15	K	Cheméo Relay (1.0)
tc	584.37	K	Cheméo Relay (1.0)
tf	196.25	K	Cheméo Relay (1.0)
vc	0.621	m3/kmol	Cheméo Relay (1.0)

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C3429627&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):

Legend

af:	Acentric Factor
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume