

Disiloxane, hexaethyl-

Other names:	Hexaethyldisiloxane 1,1,1,3,3,3-Hexaethyldisiloxane
Inchi:	InChI=1S/C12H30OSi2/c1-7-14(8-2,9-3)13-15(10-4,11-5)12-6/h7-12H2,1-6H3
InchiKey:	WILBTFWIBAOWLN-UHFFFAOYSA-N
Formula:	C12H30OSi2
SMILES:	CC[Si](CC)(CC)O[Si](CC)(CC)CC
Mol. weight [g/mol]:	246.54
CAS:	994-49-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.03		Crippen Method
logp	5.013		Crippen Method
sl	622.70	J/mol×K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpl	460.00	J/mol×K	298.15	NIST Webbook
hfust	21.40	kJ/mol	199.57	NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	402.00	K	4.00	NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C994490&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Legend

cpl: Liquid phase heat capacity
hfust: Enthalpy of fusion at a given temperature
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
sl: Liquid phase molar entropy at standard conditions
tbrp: Boiling point at reduced pressure

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