Disilane, 1,1,2,2-tetrachloro-1,2-dimethyl-

Other names:	1,2-Dimethyltetrachlorodisilane
	1,1,2,2-tetrachloro-1,2-dimethyldisilane
Inchi:	InChI=1S/C2H6Cl4Si2/c1-7(3,4)8(2,5)6/h1-2H3
InchiKey:	JTBAMRDUGCDKMS-UHFFFAOYSA-N
Formula:	C2H6Cl4Si2
SMILES:	C[Si](Cl)(Cl)[Si](C)(Cl)Cl
Mol. weight [g/mol]:	228.05
CAS:	4518-98-3

Physical Properties

Property code	Value	Unit	Source
log10ws	1.29		Crippen Method
logp	3.164		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	42.40	kJ/mol	337.50	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4518983&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hvapt:	Enthalpy of vaporization at a given temperature

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

Latest version available from:

https://www.chemeo.com/cid/73-181-0/Disilane-1-1-2-2-tetrachloro-1-2-dimethyl.pdf

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