

Silane, chlorodimethyl-

Other names:	CD5470 Chlorodimethylsilane DMCS Dimethylchlorosilane
Inchi:	InChI=1S/C2H7ClSi/c1-4(2)3/h4H,1-2H3
InchiKey:	YGHUUUVGIRWMJGE-UHFFFAOYSA-N
Formula:	C2H7ClSi
SMILES:	C[SiH](C)Cl
Mol. weight [g/mol]:	94.61
CAS:	1066-35-9

Physical Properties

Property code	Value	Unit	Source
log10ws	1.36		Crippen Method
logp	1.209		Crippen Method
tb	309.00	K	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.54953e+01
Coeff. B	-3.35717e+03
Temperature range (K), min.	220.75
Temperature range (K), max.	329.66

Sources

The Yaws Handbook of Vapor
Pressure:
Crippen Method:

<https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>
<http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method:

https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C1066359&Units=SI>

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
pvap:	Vapor pressure
tb:	Normal Boiling Point Temperature

Latest version available from:

<https://www.chemeo.com/cid/61-659-3/Silane-chlorodimethyl.pdf>

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