

Silane, dichloromethyl-

Other names:	Dichloromethylsilane Methyldichlorosilan Silane, methyldichloro- Methyldichlorosilane Methyl-dichlorsilan UN 1242 Dichlorohydridomethylsilicon Monomethyldichlorosilane
Inchi:	InChI=1S/CH4Cl2Si/c1-4(2)3/h4H,1H3
InchiKey:	NWKBSEBOBPHMKL-UHFFFAOYSA-N
Formula:	CH4Cl2Si
SMILES:	C[SiH](Cl)Cl
Mol. weight [g/mol]:	115.03
CAS:	75-54-7

Physical Properties

Property code	Value	Unit	Source
log10ws	1.04		Crippen Method
logp	1.314		Crippen Method
rinpol	506.60		NIST Webbook
rinpol	508.00		NIST Webbook
tb	314.00	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	28.30	kJ/mol	294.50	NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method:

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

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C75547&Units=SI>

Legend

hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature

Latest version available from:

<https://www.chemeo.com/cid/30-492-2/Silane-dichloromethyl.pdf>

Generated by Cheméo on 2025-12-05 10:04:46.175998422 +0000 UTC m=+4677283.706039087.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.