

Silane, trichloro(chloromethyl)-

Other names:	(Chloromethyl)trichlorosilane Trichloro(chloromethyl)silane Silane, chloromethyl(trichloro)- Cl ₃ SiCH ₂ Cl
Inchi:	InChI=1S/CH ₂ Cl ₄ Si/c2-1-6(3,4)5/h1H ₂
InchiKey:	FYTPGBJPTDQJCG-UHFFFAOYSA-N
Formula:	CH ₂ Cl ₄ Si
SMILES:	ClC[Si](Cl)(Cl)Cl
Mol. weight [g/mol]:	183.92
CAS:	1558-25-4

Physical Properties

Property code	Value	Unit	Source
ie	11.26	eV	NIST Webbook
log ₁₀ ws	-0.16		Crippen Method
log _p	2.420		Crippen Method
tb	390.50 ± 0.50	K	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1558254&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ie:	Ionization energy
log₁₀ws:	Log ₁₀ of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
tb:	Normal Boiling Point Temperature

Latest version available from:

<https://www.chemeo.com/cid/69-082-5/Silane-trichloro-chloromethyl.pdf>

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