

Silane, chlorotriethyl-

Other names:	CT2520 Chlorotriethylsilane Triethylchlorosilane
Inchi:	InChI=1S/C6H15ClSi/c1-4-8(7,5-2)6-3/h4-6H2,1-3H3
InchiKey:	DCFKHNIGBAHNSS-UHFFFAOYSA-N
Formula:	C6H15ClSi
SMILES:	CC[Si](Cl)(CC)CC
Mol. weight [g/mol]:	150.72
CAS:	994-30-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.54		Crippen Method
logp	3.230		Crippen Method
rinpol	904.00		NIST Webbook
rinpol	874.00		NIST Webbook
rinpol	900.20		NIST Webbook
tb	417.50 ± 0.50	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	42.90	kJ/mol	343.50	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C994309&Units=SI
The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

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.cheméo.com/cid/11-984-7/Silane-chlorotriethyl.pdf>

Generated by Cheméo on 2022-12-05 23:55:53.373446669 +0000 UTC m=+280916.110312377.

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