chlorotriethylsilane

Other names:	CT2520
	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
ie	9.74	eV	Cheméo Relay (1.0)
logp	3.230		Crippen Method
pc	2766.24	kPa	Cheméo Relay (1.0, beta)
tb	416.20	K	Cheméo Relay (1.0)
tc	601.11	K	Cheméo Relay (1.0)

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.44966e+01
Coeff. B	-3.67707e+03
Coeff. C	-4.54100e+01
Temperature range (K), min.	269.00
Temperature range (K), max.	445.74

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):	
The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=B8001460&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ie:	Ionization energy
logp:	Octanol/Water partition coefficient
pc:	Critical Pressure
pvap:	Vapor pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature